Yahoo Group Archive: ham-antennas (2014)

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2017. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2014-01-01 through 2014-12-31

Source WARC: ham-antennas.8xIDMtO.warc.gz

Source item: https://archive.org/details/yahoo-groups-2017-05-18T18-10-39Z-37f463

Messages included in this PDF: 4341

Message records with no body available in the source archive: 3

Messages omitted as spam from this PDF: 2

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

30725. Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 03:54:05 UTC
From: Martin A Flynn
Topic: 30725 Message: 30725

I picked up a Bird 4600-000 line section to pair with a 3KW dummy load. It apparently lived in a field due to the mud in the crevices.

Collateral damage from the mud was minimal, other then the set screws holding the center section are rusted. I soaked them in CFP for a few days, with 4 of the six coming out with no damage. The last two stripped.

Other then drilling and an easy out, anyone have a magic cure to extract them?

73 Martin
W2RWJ

30726. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 04:58:25 UTC
From: Frank Kirschner
Topic: 30725 Message: 30726

If by "stripped," you mean stripped the threads, then you might as well drill them out and thread the holes for a larger screw.

If you mean the head of the screws deformed so a screwdriver no longer grips it, you might try a screw extractor. Maybe that's what you mean by an "easy out." Liquid Wrench might help.

GL

73,
Frank
KF6E

On Tue, Dec 31, 2013 at 10:54 PM, Martin A Flynn <maflynn@...>wrote:

>
>
> I picked up a Bird 4600-000 line section to pair with a 3KW dummy load.
> It apparently lived in a field due to the mud in the crevices.
>
> Collateral damage from the mud was minimal, other then the set screws
> holding the center section are rusted. I soaked them in CFP for a few
> days, with 4 of the six coming out with no damage. The last two stripped.
>
> Other then drilling and an easy out, anyone have a magic cure to extract
> them?
>
> 73 Martin
> W2RWJ
>
>

30727. RE: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 12:31:06 UTC
From: Richard Schmuke
Topic: 30725 Message: 30727

Other then drilling and an easy out, anyone have a magic cure to extract them?

73 Martin
W2RWJ

Nothing magic but from an old tool and die maker in a research lab, the best penetrating oil is made be Kano, Kroil Oil (the oil that creeps)

http://www.kanolabs.com/

I would let it soak in before I tried anything. You can get it at Amazon , E-Bay, auto supply stores, many places.

Rich, Kd0zz

[Non-text portions of this message have been removed]

30728. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 14:18:44 UTC
From: doug pfaff
Topic: 30725 Message: 30728

Try COKE not diet on the threads or WD40.

My xyl uncle woored under ground in amine and he told us if either of these fluids dont work then drilling is only option.

Doug ve5dcp

----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 01, 2014 4:31 AM
Subject: RE: [ham-antennas] Bird Line section renovation

Other then drilling and an easy out, anyone have a magic cure to extract them?

73 Martin
W2RWJ

Nothing magic but from an old tool and die maker in a research lab, the best penetrating oil is made be Kano, Kroil Oil (the oil that creeps)

http://www.kanolabs.com/

I would let it soak in before I tried anything. You can get it at Amazon , E-Bay, auto supply stores, many places.

Rich, Kd0zz

[Non-text portions of this message have been removed]

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30729. Re: Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 15:02:08 UTC
From: fred
Topic: 30725 Message: 30729

if you have to resort to drilling try to find a bit with a left hand twist , if it jams in whatever is being drilled it will unscrew it instead of running it in tighter if it breaks loose .

kd5pnt

--- In ham-antennas@yahoogroups.com, "doug pfaff" <doug.pfaff@...> wrote:
>
> Try COKE not diet on the threads or WD40.
>
> My xyl uncle woored under ground in amine and he told us if either of these fluids dont work then drilling is only option.
>
> Doug ve5dcp
>
> ----- Original Message -----
> From: Richard Schmuke
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, January 01, 2014 4:31 AM
> Subject: RE: [ham-antennas] Bird Line section renovation
>
>
>
>
>
> Other then drilling and an easy out, anyone have a magic cure to extract
> them?
>
> 73 Martin
> W2RWJ
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> Nothing magic but from an old tool and die maker in a research lab, the best
> penetrating oil is made be Kano, Kroil Oil (the oil that creeps)
>
> http://www.kanolabs.com/
>
> I would let it soak in before I tried anything. You can get it at Amazon ,
> E-Bay, auto supply stores, many places.
>
> Rich, Kd0zz
>
> [Non-text portions of this message have been removed]
>
>
>

>
>
> ---
> This email is free from viruses and malware because avast! Antivirus protection is active.
> http://www.avast.com
>

30730. RE: [ham-antennas] Re: Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 15:54:37 UTC
From: Richard Schmuke
Topic: 30725 Message: 30730

Left hand drill bits do work, I have used them on round head steel drive screws that are made not to be removed. You need the penetrating oil to loosen the screw first and finding the correct size left handed drill bit is difficult outside of a well stocked machine shop. If you find a place to buy a left hand bit be sure it is a real left hand rotation bit and not just left hand twist. They make common cutters that are right hand cut but with a left hand twist to the flutes to prevent grabbing. You want left hand cut.

Rich, kd0zz

if you have to resort to drilling try to find a bit with a left hand twist , if it jams in whatever is being drilled it will unscrew it instead of running it in tighter if it breaks loose .

kd5pnt

> ----- Original Message -----
> From: Richard Schmuke
>
> Nothing magic but from an old tool and die maker in a research lab, the best
> penetrating oil is made be Kano, Kroil Oil (the oil that creeps)
>
> http://www.kanolabs.com/
>
> I would let it soak in before I tried anything. You can get it at Amazon ,
> E-Bay, auto supply stores, many places.
>
> Rich, Kd0zz
>

30731. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 17:03:16 UTC
From: Kenneth G. Gordon
Topic: 30725 Message: 30731

On 31 Dec 2013 at 23:58, Frank Kirschner wrote:

> grips it, you might try a screw extractor. Maybe that's what you mean
> by an "easy out."

Easy-Out is the trade name for a left-handed-twist broken-screw or stud extractor. One must drill a hole into the broken screw, then by inserting this device into the hole, one can back the broken...whatever...out.....iff you don't break the Easy-Out off inside the broken screw.

Since the Easy-Out is made of VERY hard steel, if you break one off, about the only recourse is an acetylene torch. Not pleasant.

The Easy-Out was first made available for auto-mechanics to remove broken studs from engines.

They come in various sizes.

To my way of thinking and in my experience, they are a measure of last resort.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

30732. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 17:22:32 UTC
From: Joe - W7RKN
Topic: 30725 Message: 30732

Snap-On - or was it MAC, came out with a stud extractor set that worked fairly well..you drilled a hole through the broken stud/screw, etc., and then with a soft hammer, pounded this steel 'rod' through the hole..the 'rod' had 'edges' that extended down 4 sides of the 'rod'. After it was in the stud/screw, etc., to be extracted, you slid a 'nut', that was made to slide down the 'rod', and using a correct sized open or box wrench, unscrewed the broken stud. Like the tapered Easy-Outs, the 'rod' was cold rolled steel, and it often broke, but at least with it, you could drive it through the hole.

Joe - W7RKN

----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
Subject: Re: [ham-antennas] Bird Line section renovation

> On 31 Dec 2013 at 23:58, Frank Kirschner wrote:
>
>> grips it, you might try a screw extractor. Maybe that's what you mean
>> by an "easy out."
>
> Easy-Out is the trade name for a left-handed-twist broken-screw or stud
> extractor. One must drill a hole into the broken screw, then by inserting
> this
> device into the hole, one can back the broken...whatever...out.....iff you
> don't

30733. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 19:03:41 UTC
From: Black Wolfe
Topic: 30725 Message: 30733

One of the misguided assumptions is that you can actually get a hole drilled through the offending bolt. 99% of the time the drill will wander out the side of the bolt and the screw extractor is futilely working on the surrounding metal.

Bruce W. - KV4OE

==========

----- Original Message -----

From: "Joe - W7RKN"

> Snap-On - or was it MAC, came out with a stud extractor set that worked
> fairly well..you drilled a hole through the broken stud/screw, etc., and
> then with a soft hammer, pounded this steel 'rod' through the hole..the
> 'rod' had 'edges' that extended down 4 sides of the 'rod'. After it was
> in
> the stud/screw, etc., to be extracted, you slid a 'nut', that was made to
> slide down the 'rod', and using a correct sized open or box wrench,
> unscrewed the broken stud. Like the tapered Easy-Outs, the 'rod' was cold
> rolled steel, and it often broke, but at least with it, you could drive it
> through the hole.
>
> Joe - W7RKN
>
> ----- Original Message -----
> From: "Kenneth G. Gordon"

>> Easy-Out is the trade name for a left-handed-twist broken-screw or stud
>> extractor. One must drill a hole into the broken screw, then by inserting
>> this
>> device into the hole, one can back the broken...whatever...out.....iff
>> you
>> don't
>
> ----------

30734. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 19:10:10 UTC
From: Martin A Flynn
Topic: 30725 Message: 30734

Bruce,
In this case, I am lucky that there is an adjoining hole I can thread another bolt into to make sure the drill is going to stay where it's supposed to be, IE use the second bolt to confirm the failed Allen screw is aligned vertically on the drill press bed.

73 Martin
W2RWJ

On 1/1/2014 2:03 PM, Black Wolfe wrote:

One of the misguided assumptions is that you can actually get a hole drilled through the offending bolt. 99% of the time the drill will wander out the side of the bolt and the screw extractor is futilely working on the surrounding metal.

Bruce W. - KV4OE

30735. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 19:37:45 UTC
From: Joe - W7RKN
Topic: 30725 Message: 30735

Bruce...

Most professional mechanics I know, that, years ago, included me, (Now I am no more than a shade tree'er) learned, over the years, how to drill a straight and narrow hole. (The trick was to file the protruding stud flat to the surface, then, carefully center punching a drill start, concave the surface of the broken stud/bolt with a drill bit that was the size of the broken stud/bolt, then center punch it again, and drill the hole, using the appropriate sized drill bit.)

However, if one were to drill off-center and into the 'wall' threads, the offending bolt/stud, etc., was easy to get out. at that point!

Joe - W7RKN

----- Original Message -----
From: "Black Wolfe" <blackwolfe@...>
Subject: Re: [ham-antennas] Bird Line section renovation

> One of the misguided assumptions is that you can actually get a hole drilled
> through the offending bolt. 99% of the time the drill will wander out the
> side of the bolt and the screw extractor is futilely working on the
> surrounding metal.

30736. Re: [ham-antennas] Bird Line section renovation

Yahoo group: ham-antennas (2014)
Date: 2014-01-01 20:23:51 UTC
From: Black Wolfe
Topic: 30725 Message: 30736

I've used that method dozens of times. Simple fact most old bolts are not consistent in internal density. Unless you can get the part on a bench with a quality drill press, 99% will go astray. That has been my experience for close to 50 years now since my father handed me a drill,bit and an Easy-Out.

Bruce W. - KV4OE

==========

----- Original Message -----

From: "Joe - W7RKN"

Bruce...

Most professional mechanics I know, that, years ago, included me, (Now I am no more than a shade tree'er) learned, over the years, how to drill a straight and narrow hole. (The trick was to file the protruding stud flat to the surface, then, carefully center punching a drill start, concave the surface of the broken stud/bolt with a drill bit that was the size of the broken stud/bolt, then center punch it again, and drill the hole, using the appropriate sized drill bit.)

However, if one were to drill off-center and into the 'wall' threads, the offending bolt/stud, etc., was easy to get out. at that point!

Joe - W7RKN

----- Original Message -----
From: "Black Wolfe" <blackwolfe@...>
Subject: Re: [ham-antennas] Bird Line section renovation

> One of the misguided assumptions is that you can actually get a hole
> drilled
> through the offending bolt. 99% of the time the drill will wander out the
> side of the bolt and the screw extractor is futilely working on the
> surrounding metal.

30737. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-01-02 03:08:52 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 30737

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

30738. My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-02 14:17:58 UTC
From: Dean
Topic: 30738 Message: 30738

I have built and installed my new 80m Full-wave horizontal loop antenna
with very pleasing initial results! I've made a quick web page here
that gives some photos and details:

http://www.cdagro.com/general/80mfullwave.html

(((73))), Dean
CA1JDM

30739. RE: [ham-antennas] My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-02 15:09:56 UTC
From: Billy McFarland
Topic: 30738 Message: 30739

Nice loop. I'm a fan of loops to be honest. I have made plenty of loops with 4:1 baluns for multiband use. I made a 2:1 balun for a monoband for the match which worked very well. The ladder line works well but I prefer a match to the 50 ohm coax.

Billy
GM0OBX

30740. RE: My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-02 19:01:40 UTC
From: <soona4sail@...>
Topic: 30738 Message: 30740

Loops are great antennas. The only downside is the requirerment for some space and good supports. You will be very happy with your loop, Dean, and you will work lots of DX especially on the higher bands. happy new year by the way!

73 John

30741. FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 01:28:06 UTC
From: Billy McFarland
Topic: 30741 Message: 30741

[Body unavailable in the source archive]

30742. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 01:57:34 UTC
From: Artek Manuals
Topic: 30741 Message: 30742

There are several ways to construct a 4:1 balun...can you provide a schematic of the version you are using..a photo of the actual balun would be useful as well

Dave
NR1DX

On 1/2/2014 7:28 PM, Billy McFarland wrote:
>
>
>
> ----------
> *From: * Billy McFarland <gm0obx@...>;
> *To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> *Subject: * WTF! 4:1 balun test help needed
> *Sent: * Fri, Jan 3, 2014 12:24:53 AM
>
> All,
>
> I'm constructing a 4:1 balun. when testing it I placed a 200 ohm
> resistor across the balanced parts and then attached the 50 ohm
> section to my rig expert antenna analyzer I'm getting this result:
>
> http://s18.postimg.org/798wklwyh/41balunreading.jpg
>
> I thought this to be odd as I would expect a level reading across all
> frequency's. I'm using a FT-140-43 toriod. I have tried different
> thickness of wire and also adujsted the number of turns but the
> results are pretty much the same.
>
> Any idea whats going on?..... one thought I had is that the resistor
> i'm using is the wrong type and this is why I'm getting a reading like
> this.?
>
> Billy
> GM0OBX
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

http://www.avast.com

30743. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 02:03:56 UTC
From: Billy McFarland
Topic: 30741 Message: 30743

Hi dave,

It's constructed like this

http://27mhzww.fortunecity.ws/baluns.html

Toroid is the ft-140 43 but I think maybe the ft-140-61 would be a better choice.

Billy
GM0OBX

30744. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 02:07:58 UTC
From: Billy McFarland
Topic: 30741 Message: 30744

Here's the balun.

I've constructed a 4:1 balun thus method using a heavier gauge wire a t200 with no problems but never done one of the smaller ones but would have thought it would be much the same

Billy
GM0OBX
[Non-text portions of this message have been removed]

30745. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 02:24:56 UTC
From: Artek Manuals
Topic: 30741 Message: 30745

On 1/2/2014 8:07 PM, Billy McFarland wrote: > > Here's the balun.

I've constructed a 4:1 balun thus method > using a heavier gauge wire a t200 with no problems but never done one > of the smaller ones but would have thought it would be much the > same

Billy
GM0OBX
> > [Non-text portions of this message have been removed] > > Billy If this email was a photo it didnt come through. I don tthink this group accepts attachemnts...you will need to either upload the pix to the photo section on this group or top one of the many photo sharing sites or your own web page Dave -- Dave Manuals@... www.ArtekManuals.com --- This email is free from viruses and malware because avast! Antivirus protection is active. http://www.avast.com

30746. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 02:31:49 UTC
From: Artek Manuals
Topic: 30741 Message: 30746

The 43 material is the better choice for HF (1-50MHz) ...61 is
generally used more for VHF (10 Mhz -200MHz)

Dave
NR1DX

On 1/2/2014 8:03 PM, Billy McFarland wrote:
>
> Hi dave,
>
> It's constructed like this
>
> http://27mhzww.fortunecity.ws/baluns.html
>
> Toroid is the ft-140 43 but I think maybe the ft-140-61 would be a
> better choice.
>
> Billy
> GM0OBX
>
>
> ---
> *From: * Artek Manuals <nr1dx@...>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] FW: WTF! 4:1 balun test help needed
> *Sent: * Fri, Jan 3, 2014 1:57:34 AM
>
> ?
>
> There are several ways to construct a 4:1 balun...can you provide a
> schematic of the version you are using..a photo of the actual balun
> would be useful as well
>
> Dave
> NR1DX
>
> On 1/2/2014 7:28 PM, Billy McFarland wrote:
>> ?
>>
>>
>>
>> ---
>> *From: * Billy McFarland <gm0obx@...>;
>> *To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
>> *Subject: * WTF! 4:1 balun test help needed

>> *Sent: * Fri, Jan 3, 2014 12:24:53 AM
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>> All,
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>> I'm constructing a 4:1 balun. when testing it I placed a 200 ohm
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>> http://s18.postimg.org/798wklwyh/41balunreading.jpg
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>> I thought this to be odd as I would expect a level reading across all
>> frequency's. I'm using a FT-140-43 toriod. I have tried different
>> thickness of wire and also adujsted the number of turns but the
>> results are pretty much the same.
>>
>> Any idea whats going on?..... one thought I had is that the resistor
>> i'm using is the wrong type and this is why I'm getting a reading
>> like this.?
>>
>> Billy
>> GM0OBX
>>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30747. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 09:32:15 UTC
From: Billy McFarland
Topic: 30741 Message: 30747

Any ideas?

Billy
GM0OBX

30748. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 14:06:13 UTC
From: Chuck Schultz
Topic: 30741 Message: 30748

What reading do you get directly to the resister without the balun .
try a dummy load straight and then thru the balun and report
Chuck wq5b
On 1/2/2014 7:28 PM, Billy McFarland wrote:
>
>
>
> ----------
> *From: * Billy McFarland <gm0obx@...>;
> *To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> *Subject: * WTF! 4:1 balun test help needed
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> i'm using is the wrong type and this is why I'm getting a reading like
> this.?
>
> Billy
> GM0OBX
>
>

30749. RE: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 14:12:44 UTC
From: <yl2qn.andy@...>
Topic: 30741 Message: 30749

Billy,

First check your dummy load resistor. You need to have NON INDUCTIVE resistor. Connect 200 Ohm resistor direct to your Antenna Analyzer. The SWR readings must be FLAT (near 4:1) in wide frequency range. If not - you have inductive resistor and need to replace him to have correct readings. You can use few metal / carbon resistors connected in series or parallel to get necessary value.

I have a build in last year a number of 1:1, 4:1 and 9:1 baluns similar to your's and never had big problems.

Regards,
Andy - YL2QN

30750. Re: [ham-antennas] FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 14:12:51 UTC
From: Billy McFarland
Topic: 30741 Message: 30750

Ok chuck I'll give it ago. Going to work for backshift but will try and get time over the weekend to try it.

Billy
GM0OBX

30751. Re: My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 15:00:38 UTC
From: Thomas W4HM
Topic: 30738 Message: 30751

I also use an 80 meter full wave loop at this location in central Florida. It's actually a bit longer at 300 feet with each leg at 75 feet long. It's supported at each corner by oak trees and up at 35 feet. It's fed with 41 feet of 300 ohm window line to an MFJ-974HD balanced antenna tuner.

It's pretty much and NVIS antenna on 80 and 60 meters, a good DX antenna on 40 meters and and outstanding DX antenna on 30-6 meters. I also use the antenna for SWL DXing and programming listening.

I have a web page on the antenna also at
http://www.wcflunatall.com/w4hm15.htm .

73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30752. Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 15:22:53 UTC
From: Dave Rickmers
Topic: 30741 Message: 30752

This is what I use. It works well. It has two transformers inside.

https://www.hamcity.com/store/pc/MFJ-913-p635.htm

It's hard to build one any cheaper. No commercial affiliation to anybody! 73 de kd6il

30753. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 15:35:08 UTC
From: Artek Manuals
Topic: 30741 Message: 30753

Dave / kd6il

I am curious have you ever run a swept frequency response curve on the
MFJ unit (like the previous poster) using a 200 ohm resistor and an
antenna analyzer???

Dave
NR1DX

On 1/3/2014 9:22 AM, Dave Rickmers wrote:
>
> This is what I use. It works well. It has two transformers inside.
>
> https://www.hamcity.com/store/pc/MFJ-913-p635.htm
>
> It's hard to build one any cheaper. No commercial affiliation to
> anybody! 73 de kd6il
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30754. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 15:41:05 UTC
From: Billy McFarland
Topic: 30741 Message: 30754

Dave,

The time you add postage to the UK then it's around £56 which I could build around 8 for lol.

Billy
GM0OBX

30755. 80m half sloper array

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 15:43:23 UTC
From: Keith Heimbold
Topic: 30741 Message: 30755

I have been given advice on building a four wire half wave sloper array for 80m but I cannot find anything on it in the ON4UN or ARRL antenna book. I have also scoured the web. Any advice would be awesome!

Happy New Year & 73,

Keith
AK6ZZ

30756. Re: [ham-antennas] Re: My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 20:54:29 UTC
From: Dean
Topic: 30738 Message: 30756

Hi Thomas,

That is the MAIN antenna that I tried to pattern mine after!! The drawing is almost exactly like the configuration of my antenna, feedpoint and all! I had already saved that file in my computer many weeks ago. My antenna is about 36 feet high at each corner, and I'm using about 100 feet of 450 ohm ladder line. I just my SGC MAC 200 automatic tuner today and installed it! It tuned up all bands 80m - 10m in just a few seconds except 30m. Would not tune 30m better than about 3.5:1, but that band is least important to me.

Thanks!
(((73))), Dean
CA1JDM

On 1/3/2014 12:00 PM, Thomas W4HM wrote:
>
> I also use an 80 meter full wave loop at this location in central
> Florida.
> It's actually a bit longer at 300 feet with each leg at 75 feet long.
> It's
> supported at each corner by oak trees and up at 35 feet. It's fed with 41
> feet of 300 ohm window line to an MFJ-974HD balanced antenna tuner.
>
> It's pretty much and NVIS antenna on 80 and 60 meters, a good DX
> antenna on
> 40 meters and and outstanding DX antenna on 30-6 meters. I also use the
> antenna for SWL DXing and programming listening.
>
> I have a web page on the antenna also at
> http://www.wcflunatall.com/w4hm15.htm .
>
> 73 & GUD DX,
> Thomas F. Giella W4HM
> Lakeland, FL, USA
> w4hm@...
>
> W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
>

>

30757. RE: 80m half sloper array

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 21:21:28 UTC
From: <farrerfolks@...>
Topic: 30741 Message: 30757

Hello Keith,

Look up the DXZone section on antennas and slopers in particular. Lots of good links there.

Mel, K6KBE

30758. Re: [ham-antennas] Re: My New 80m Full-wave Horizontal Loop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-03 21:36:47 UTC
From: enkitec@...
Topic: 30738 Message: 30758

Dean,

Increase or decrease your line lenght by a couple feet and try again.

73,
Mark Jordan PY3SS

On 03-Jan-14 18:54, Dean wrote:
>
>
> Hi Thomas,
>
> That is the MAIN antenna that I tried to pattern mine after!! The
> drawing is almost exactly like the configuration of my antenna,
> feedpoint and all! I had already saved that file in my computer many
> weeks ago. My antenna is about 36 feet high at each corner, and I'm
> using about 100 feet of 450 ohm ladder line. I just my SGC MAC 200
> automatic tuner today and installed it! It tuned up all bands 80m -
> 10m in just a few seconds except 30m. Would not tune 30m better than
> about 3.5:1, but that band is least important to me.
>
> Thanks!
> (((73))), Dean
> CA1JDM
>
>
>
> On 1/3/2014 12:00 PM, Thomas W4HM wrote:
>>
>> I also use an 80 meter full wave loop at this location in central
>> Florida.
>> It's actually a bit longer at 300 feet with each leg at 75 feet long.
>> It's
>> supported at each corner by oak trees and up at 35 feet. It's fed
>> with 41
>> feet of 300 ohm window line to an MFJ-974HD balanced antenna tuner.
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>> It's pretty much and NVIS antenna on 80 and 60 meters, a good DX
>> antenna on
>> 40 meters and and outstanding DX antenna on 30-6 meters. I also use the
>> antenna for SWL DXing and programming listening.
>>
>> I have a web page on the antenna also at
>> http://www.wcflunatall.com/w4hm15.htm .

```
>>
>> 73 & GUD DX,
>> Thomas F. Giella W4HM
>> Lakeland, FL, USA
>> w4hm@...
>>
>> W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
>>
>> ---
>> This email is free from viruses and malware because avast! Antivirus
>> protection is active.
>> http://www.avast.com
>>
>
>
>
>
```

30759. RE: Sort of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 14:11:33 UTC
From: <marchnites@...>
Topic: 30482 Message: 30759

Hi Ken,

Sorry for the delay in replying. With your links and some other info, I now have so much data that I am even more in the dark. I have reached several conclusions.
1 Using a stripped back coax cable is a goer.
2 It will probably need to be double independent screened cable.
3 The matching is going to be tricky.
4 The first RF Amp would best be at the Antenna feed.

I'l come back in a short while to report progress.

If anybody has further thoughts or relevant links I would be grateful for the info.

Thank you all for your input.

Ray

30760. Re: [ham-antennas] RE: Sort of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 14:23:03 UTC
From: Ken Burchfield
Topic: 30482 Message: 30760

Thanks Ray for your feedback,
always nice to hear how projects are going
73,
Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

On Saturday, January 4, 2014 8:11 AM, "marchnites@..." <marchnites@...> wrote:

Hi Ken,

Sorry for the delay in replying. With your links and some other info, I now have so much data that I am even more in the dark. I have reached several conclusions.
1 Using a stripped back coax cable is a goer.
2 It will probably need to be double independent screened cable.
3 The matching is going to be tricky.
4 The first RF Amp would best be at the Antenna feed.

I'l come back in a short while to report progress.

If anybody has further thoughts or relevant links I would be grateful for the info.

Thank you all for your input.

Ray

30761. My mistake antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 16:20:45 UTC
From: <jrrebel73@...>
Topic: 30761 Message: 30761

Hi All

Happy New Year
Last week I was in the yard stringing out wire for a vertical delta loop.
Started talking to a friend a cross the street.I measured out about 67 feet per side.
I hooked up the Balun put it up in the tree about 80 feet at top and about 20 feet off the ground.
I wanted an antenna for 80 meters for jt 65.
After I put it up and was getting good results into EU from Louisiana, I realized I had made my measurements wrong.That what I get for not watching what I was doing.Hi Hi.
But the thing is it is working very well on 40 and 80 meters for DX.So now I am thinking should I leave it as it is, are add the extra wire. It is feed with coax I was planning on using ladderline but it go dark and I wanted to just try it out.
Any thoughts

73 John K5JRW

30762. RE: [ham-antennas] My mistake antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 17:59:04 UTC
From: KB3YRC
Topic: 30761 Message: 30762

I have a Flat Dipole in my Yard at 25 – 30 Ft high, It has a 1-1 attachment to a coax

it is 65FT and I get Main to Florida on 3.99 and I'm, in PA

rom: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jrrebel73@...
Sent: Saturday, January 04, 2014 11:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] My mistake antenna

Hi All

Happy New Year

Last week I was in the yard stringing out wire for a vertical delta loop.

Started talking to a friend a cross the street.I measured out about 67 feet per side.

I hooked up the Balun put it up in the tree about 80 feet at top and about 20 feet off the ground.

I wanted an antenna for 80 meters for jt 65.

After I put it up and was getting good results into EU from Louisiana, I realized I had made my measurements wrong.That what I get for not watching what I was doing.Hi Hi.

But the thing is it is working very well on 40 and 80 meters for DX.So now I am thinking should I leave it as it is, are add the extra wire. It is feed with coax I was planning on using ladderline but it go dark and I wanted to just try it out.

Any thoughts

73 John K5JRW

30763. RE: [ham-antennas] My mistake antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 18:06:33 UTC
From: Richard Schmuke
Topic: 30761 Message: 30763

The link is to my chart for a delta loop, I have a 80M size up and work all bands, it is coax fed with a homemade balun. You can see what lengths will give you a better match. I started out with 20M antenna and worked up multiples of that.

http://s1102.photobucket.com/user/KD0ZZ/media/Loop_zps75e5682a.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jrrebel73@...
Sent: Saturday, January 04, 2014 10:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] My mistake antenna

Hi All

Happy New Year

Last week I was in the yard stringing out wire for a vertical delta loop.

Started talking to a friend a cross the street.I measured out about 67 feet per side.

I hooked up the Balun put it up in the tree about 80 feet at top and about 20 feet off the ground.

I wanted an antenna for 80 meters for jt 65.

After I put it up and was getting good results into EU from Louisiana, I realized I had made my measurements wrong.That what I get for not watching what I was doing.Hi Hi.

But the thing is it is working very well on 40 and 80 meters for DX.So now I am thinking should I leave it as it is, are add the extra wire. It is feed with coax I was planning on using ladderline but it go dark and I wanted to just try it out.

Any thoughts

73 John K5JRW

[Non-text portions of this message have been removed]

30764. RE: [ham-antennas] My mistake antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 18:10:37 UTC
From: KB3YRC
Topic: 30761 Message: 30764

http://www.hamuniverse.com/dipivcal.html

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Saturday, January 04, 2014 1:07 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] My mistake antenna

The link is to my chart for a delta loop, I have a 80M size up and work all bands, it is coax fed with a homemade balun. You can see what lengths will give you a better match. I started out with 20M antenna and worked up multiples of that.

http://s1102.photobucket.com/user/KD0ZZ/media/Loop_zps75e5682a.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jrrebel73@...
Sent: Saturday, January 04, 2014 10:21 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] My mistake antenna

Hi All

Happy New Year

Last week I was in the yard stringing out wire for a vertical delta loop.

Started talking to a friend a cross the street.I measured out about 67 feet per side.

I hooked up the Balun put it up in the tree about 80 feet at top and about 20 feet off the ground.

I wanted an antenna for 80 meters for jt 65.

After I put it up and was getting good results into EU from Louisiana, I realized I had made my measurements wrong.That what I get for not watching what I was doing.Hi Hi.

But the thing is it is working very well on 40 and 80 meters for DX.So now I am thinking should I leave it as it is, are add the extra wire. It is feed with coax I was planning on using ladderline but it go dark and I wanted to just try it out.

Any thoughts

73 John K5JRW

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

30765. my mistake antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 19:04:18 UTC
From: <jrrebel73@...>
Topic: 30765 Message: 30765

Sorry for some reason I could not respond to older message.
In response to my question I realized after I put it up,I had measured wrong.
But seeing the response I will add the correct amount of wire.
73 John K5JRW

30766. antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:15:45 UTC
From: dale cole
Topic: 30766 Message: 30766

Looking for suggestions. I have an 160 vertical (commercial), and a 6-btv, but as most of you know the 80 meter resonator could better used as a coat hanger.
I would like to erect some type of 80 meter antenna that did not need ground radials as the 160 and the trap radials already cross all over this city lot, and the mower guy hates them. I have a tree and tower that it could be stretched from, but still another thing the mower has to mow around (coax drop) Can't find anything in arrl wire, and vertical books.
Any ideas?

Are there any certain coax lenghts to avoid on a ground mounted 160 vertical that is loaded at the top? Currently running 100', but sometimes feel like I am tuning coax only.
TIA
Dale K8TS

30767. antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:17:56 UTC
From: dale cole
Topic: 30766 Message: 30767

BTW-am only running 100 watts.
Dale K8TS

30768. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:24:00 UTC
From: Dale Miller
Topic: 30766 Message: 30768

On 1/4/2014 5:15 PM, dale cole wrote:
>
>
> Looking for suggestions. I have an 160 vertical (commercial), and a
> 6-btv, but as most of you know the 80 meter resonator could better
> used as a coat hanger.
> I would like to erect some type of 80 meter antenna that did not need
> ground radials as the 160 and the trap radials already cross all over
> this city lot, and the mower guy hates them. I have a tree and tower
> that it could be stretched from, but still another thing the mower has
> to mow around (coax drop) Can't find anything in arrl wire, and
> vertical books. Any ideas?
> Are there any certain coax lenghts to avoid on a ground mounted 160
> vertical that is loaded at the top? Currently running 100', but
> sometimes feel like I am tuning coax only.
> TIA
> Dale K8TS
>
>
>

Well Dale if you read the literature you will know that an antenna
without ground radials.
Check out this page at the bottom for the literature on that subject.
http://www.bencher.com/pdf_download.html
W0DN(SK) (Butternut founder) did a couple of papers on the subject of no
ground radials also.

But for your query have nothing to help with because I don't recall
seeing anything in the ARRL handbook or Antenna book.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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30769. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:26:05 UTC
From: Dale Miller
Topic: 30766 Message: 30769

On 1/4/2014 5:24 PM, Dale Miller wrote:
>
>
> On 1/4/2014 5:15 PM, dale cole wrote:
>> Looking for suggestions. I have an 160 vertical (commercial), and a
>> 6-btv, but as most of you know the 80 meter resonator could better
>> used as a coat hanger.
>> I would like to erect some type of 80 meter antenna that did not need
>> ground radials as the 160 and the trap radials already cross all over
>> this city lot, and the mower guy hates them. I have a tree and tower
>> that it could be stretched from, but still another thing the mower
>> has to mow around (coax drop) Can't find anything in arrl wire, and
>> vertical books. Any ideas?
>> Are there any certain coax lenghts to avoid on a ground mounted 160
>> vertical that is loaded at the top? Currently running 100', but
>> sometimes feel like I am tuning coax only.
>> TIA
>> Dale K8TS
>>
>
> Well Dale if you read the literature you will know that an antenna
> without ground radials.

Sorry didn't finish my thought
An antenna without ground radials is inefficient.

> Check out this page at the bottom for the literature on that subject.
> http://www.bencher.com/pdf_download.html
> W0DN(SK) (Butternut founder) did a couple of papers on the subject of
> no ground radials also.
>
> But for your query have nothing to help with because I don't recall
> seeing anything in the ARRL handbook or Antenna book.
>

--
All the Best & 73's
Dale Miller, KC2CBD
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Ham Operator since 1997 (Extra)
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Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

30770. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:31:08 UTC
From: Artek Manuals
Topic: 30766 Message: 30770

>
>
Dale

How tall is the tower
How tall is the tree
How far apart are they

The Length of radials which are laying on the ground are not
particularly critical as to length (elevated radials can be critical)

Dave
NR1DX

On 1/4/2014 5:17 PM, dale cole wrote:
Looking for suggestions. I have an 160 vertical (commercial), and a
6-btv, but as most of you know the 80 meter resonator could better used
as a coat hanger.
I would like to erect some type of 80 meter antenna that did not need
ground radials as the 160 and the trap radials already cross all over
this city lot, and the mower guy hates them. I have a tree and tower
that it could be stretched from, but still another thing the mower has
to mow around (coax drop) Can't find anything in arrl wire, and
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Are there any certain coax lenghts to avoid on a ground mounted 160
vertical that is loaded at the top? Currently running 100', but
sometimes feel like I am tuning coax only.
TIA
Dale K8TS

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30771. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:37:39 UTC
From: Artek Manuals
Topic: 30766 Message: 30771

>> Well Dale if you read the literature you will know that an antenna
>> without ground radials.
>
> Sorry didn't finish my thought
> An antenna without ground radials is inefficient.
More accurately a SHORT(1/4 wave) GROUND MOUNTED VERTICAL with out
radials is inefficient . A vertical 1/2 wave dipole is just fine (but
not practical for 80M) without radials as an example

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30772. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-04 23:57:00 UTC
From: Dale Miller
Topic: 30766 Message: 30772

On 1/4/2014 5:37 PM, Artek Manuals wrote:
>
>
>
>>> Well Dale if you read the literature you will know that an antenna
>>> without ground radials.
>>
>> Sorry didn't finish my thought
>> An antenna without ground radials is inefficient.
> More accurately a SHORT(1/4 wave) GROUND MOUNTED VERTICAL with out
> radials is inefficient . A vertical 1/2 wave dipole is just fine (but
> not practical for 80M) without radials as an example
>
> Dave
> NR1DX
> --
> Dave
> Manuals@...
> www.ArtekManuals.com

Yes sorta.

http://www.bencher.com/pdfs/00815ZZV.pdf
http://www.bencher.com/pdfs/00816ZZV.pdf

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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30773. RE: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 00:10:05 UTC
From: <w6jhb@...>
Topic: 30766 Message: 30773

Dale - I live in a city on a small lot and have an 80 meter Inverted L. It uses NO radial but has a K2AV folded counterpoise - FCP. It works very well. The vertical part runs 40 feet up the side of a tree and the horizontal part runs over to the house, sloping down. Fed with 110 feet of 50 ohm coax. Jim / W6JHB

30774. Re: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 00:31:37 UTC
From: mikerodgerske5gbc@...
Topic: 30766 Message: 30774

The only thing that comes to mind is the Hy Gain patriot line (pricey) or maybe Gap Titan (also pricey).

Hy gain has a better following.

Also a end fed with 1 counterpoise. May require a remote tuner.

73
Mike R

Bluegrass white snow
- Patty Loveless

30775. Re: [ham-antennas] antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 01:28:51 UTC
From: Walt Wilson
Topic: 30766 Message: 30775

For the sake of the mower guy, bury the coax and use lawn staples for any limited radials

From: Dale Miller
Sent: Saturday, January 04, 2014 6:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] antenna woes

On 1/4/2014 5:24 PM, Dale Miller wrote:

On 1/4/2014 5:15 PM, dale cole wrote:

Looking for suggestions. I have an 160 vertical (commercial), and a 6-btv, but as most of you know the 80 meter resonator could better used as a coat hanger.
I would like to erect some type of 80 meter antenna that did not need ground radials as the 160 and the trap radials already cross all over this city lot, and the mower guy hates them. I have a tree and tower that it could be stretched from, but still another thing the mower has to mow around (coax drop) Can't find anything in arrl wire, and vertical books.
Any ideas?

Are there any certain coax lenghts to avoid on a ground mounted 160 vertical that is loaded at the top? Currently running 100', but sometimes feel like I am tuning coax only.
TIA
Dale K8TS

Well Dale if you read the literature you will know that an antenna without ground radials.

Sorry didn't finish my thought
An antenna without ground radials is inefficient.

Check out this page at the bottom for the literature on that subject.
http://www.bencher.com/pdf_download.html
W0DN(SK) (Butternut founder) did a couple of papers on the subject of no ground radials also.

But for your query have nothing to help with because I don't recall seeing anything in the ARRL handbook or Antenna book.

--
All the Best & 73's
Dale Miller, KC2CBD
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Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6975 - Release Date: 01/04/14

30776. Re: Sort of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 13:32:51 UTC
From: eddie robinson
Topic: 30482 Message: 30776

how about an trapped inverted l for 80 and 160 .trap is made from rg58
and you exsisting ground radials will do just fine

http://www.users.icscotland.net/~len.paget/6_band_inverted_l_antenna.htm

I used 1 for a few years and liked it alot

30777. Affect of Ice on Beam, Dipoles, Multiband Vertical Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 14:38:41 UTC
From: <myfamilydotcom@...>
Topic: 30777 Message: 30777

We have had a severe ice build-up on everything outside for a few weeks straight, and unfortunately the temperature has remained below freezing and the ice has stayed.

I operate a TA-33 M-WARC beam, a Cushcraft multiband vertical, and several diploes. They are totally covered with at least 1/4" of ice everywhere, and in some places it's 1/2 ".

My dipoles and beam elements are sagging under the weight, but seem to have survived.

While trying to operate over thye holidays, my antenna tuner in my Kenwood TS-570 found a match, but reception seemed quieter than usual and when I spoke (SSB) the SWR meter jumped erratically on voice peaks. I presume that the ice has altered the elements' characteriatically substantially, and so too the beam traps; perhaps the ice is breaking down on power peaks etc.

Is the SWR jumping something others have seen as well?

FWIW I see this on the dipoles and beam both - not sure about the ground mounted vertical since it has 2 feet of snow above its base.

73

Kevin

VE9XYZ

30778. Re: [ham-antennas] Affect of Ice on Beam, Dipoles, Multiband Vertical Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 15:05:00 UTC
From: Mark Pope
Topic: 30777 Message: 30778

I also have a TA-33JR. We have had lots of ice and snow as well. Though I have been lucky and the ice does melt off after the storms have cleared. During the time they are iced up I get the same reaction. Swr is notably higher.I have the beam and an OCF Windom dipole. Since our weather has turned bad my dipole actually seems to work better than the beam. Go figure.

Mark/W7MCP

On Sun, Jan 5, 2014 at 7:38 AM, <myfamilydotcom@...> wrote:

>
>
> We have had a severe ice build-up on everything outside for a few weeks
> straight, and unfortunately the temperature has remained below freezing and
> the ice has stayed.
>
>
>
> I operate a TA-33 M-WARC beam, a Cushcraft multiband vertical, and several
> diploes. They are totally covered with at least 1/4" of ice everywhere,
> and in some places it's 1/2 ".
>
>
>
> My dipoles and beam elements are sagging under the weight, but seem to
> have survived.
>
>
>
> While trying to operate over thye holidays, my antenna tuner in my Kenwood
> TS-570 found a match, but reception seemed quieter than usual and when I
> spoke (SSB) the SWR meter jumped erratically on voice peaks. I presume
> that the ice has altered the elements' characteriatically substantially,
> and so too the beam traps; perhaps the ice is breaking down on power peaks
> etc.
>
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>
> Is the SWR jumping something others have seen as well?
>
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>
> FWIW I see this on the dipoles and beam both - not sure about the ground
> mounted vertical since it has 2 feet of snow above its base.

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> 73
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> Kevin
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> VE9XYZ
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30779. Re: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 15:27:03 UTC
From: fred
Topic: 30766 Message: 30779

it's a bit more trouble . bury 3/4" pvc and run the coax through it , don't forget to put a 180 degree u bend where it comes out of the ground at the antenna base and where it goes into the ground at the house if it is not protected from water getting in it . do not cement the u bend to the pipe,it is easier to remove the bend to get the coax in the longer run . I have an arrangement like that to get the coax out of the basement with 2.5 " pvc . will make it easier if you have to replace the coax .

kd5pnt

--- In ham-antennas@yahoogroups.com, "Walt Wilson" <WWILSON@...> wrote:
>
> For the sake of the mower guy, bury the coax and use lawn staples for any limited radials
>
> From: Dale Miller
> Sent: Saturday, January 04, 2014 6:26 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] antenna woes
>
>
>
> On 1/4/2014 5:24 PM, Dale Miller wrote:
>
> On 1/4/2014 5:15 PM, dale cole wrote:
>
> Looking for suggestions. I have an 160 vertical (commercial), and a 6-btv, but as most of you know the 80 meter resonator could better used as a coat hanger.
> I would like to erect some type of 80 meter antenna that did not need ground radials as the 160 and the trap radials already cross all over this city lot, and the mower guy hates them. I have a tree and tower that it could be stretched from, but still another thing the mower has to mow around (coax drop) Can't find anything in arrl wire, and vertical books. Any ideas?
>
> Are there any certain coax lenghts to avoid on a ground mounted 160 vertical that is loaded at the top? Currently running 100', but sometimes feel like I am tuning coax only.
> TIA
> Dale K8TS
>
>
>
> Well Dale if you read the literature you will know that an antenna without ground radials.
>
>
> Sorry didn't finish my thought
> An antenna without ground radials is inefficient.

>
>
>
> Check out this page at the bottom for the literature on that subject.
> http://www.bencher.com/pdf_download.html
> W0DN(SK) (Butternut founder) did a couple of papers on the subject of no ground radials also.
>
> But for your query have nothing to help with because I don't recall seeing anything in the ARRL handbook or Antenna book.
>
>
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)
> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com
> __
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4259 / Virus Database: 3658/6975 - Release Date: 01/04/14
>

30780. Re: [ham-antennas] Re: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 15:32:17 UTC
From: Walt Wilson
Topic: 30766 Message: 30780

Use Direct Bury Coax, eliminate the pvc and barring any accidents it should give 20 years of good service.

From: fred
Sent: Sunday, January 05, 2014 10:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: antenna woes

it's a bit more trouble . bury 3/4" pvc and run the coax through it , don't forget to put a 180 degree u bend where it comes out of the ground at the antenna base and where it goes into the ground at the house if it is not protected from water getting in it . do not cement the u bend to the pipe,it is easier to remove the bend to get the coax in the longer run . I have an arrangement like that to get the coax out of the basement with 2.5 " pvc . will make it easier if you have to replace the coax .

kd5pnt

--- In ham-antennas@yahoogroups.com, "Walt Wilson" <WWILSON@...> wrote:
>
> For the sake of the mower guy, bury the coax and use lawn staples for any limited radials
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> From: Dale Miller
> Sent: Saturday, January 04, 2014 6:26 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] antenna woes
>
>
>
> On 1/4/2014 5:24 PM, Dale Miller wrote:
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> I would like to erect some type of 80 meter antenna that did not need ground radials as the 160 and the trap radials already cross all over this city lot, and the mower guy hates them. I have a tree and tower that it could be stretched from, but still another thing the mower has to mow around (coax drop) Can't find anything in arrl wire, and vertical books. Any ideas?
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> Are there any certain coax lenghts to avoid on a ground mounted 160 vertical that is loaded at the top? Currently running 100', but sometimes feel like I am tuning coax only.
> TIA
> Dale K8TS
>
>

>
> Well Dale if you read the literature you will know that an antenna without ground radials.
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>
> Sorry didn't finish my thought
> An antenna without ground radials is inefficient.
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> Check out this page at the bottom for the literature on that subject.
> http://www.bencher.com/pdf_download.html
> W0DN(SK) (Butternut founder) did a couple of papers on the subject of no ground radials also.
>
> But for your query have nothing to help with because I don't recall seeing anything in the ARRL handbook or Antenna book.
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>
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> All the Best & 73's
> Dale Miller, KC2CBD
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>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com
> __
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> No virus found in this message.
> Checked by AVG - www.avg.com
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>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6977 - Release Date: 01/05/14

30781. Re: [ham-antennas] Re: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 18:51:47 UTC
From: Mel Farrer
Topic: 30766 Message: 30781

I do something similar, I come out the ground with 3" into a right angle LB box into the house. That leaves only one 90 for access.

Mel, K6KBE

On Sunday, January 5, 2014 7:32 AM, Walt Wilson <WWILSON@triad.rr.com> wrote:

Use Direct Bury Coax, eliminate the pvc and barring any accidents it should
give 20 years of good service.

From: fred
Sent: Sunday, January 05, 2014 10:27 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: antenna woes

it's a bit more trouble . bury 3/4" pvc and run the coax through it , don't
forget to put a 180 degree u bend where it comes out of the ground at the
antenna base and where it goes into the ground at the house if it is not
protected from water getting in it . do not cement the u bend to the pipe,it is
easier to remove the bend to get the coax in the longer run . I have an
arrangement like that to get the coax out of the basement with 2.5 " pvc . will
make it easier if you have to replace the coax .

kd5pnt

--- In
ham-antennas@yahoogroups.com, "Walt Wilson" <WWILSON@...>
wrote:
>
> For the sake of the mower guy, bury the coax and use lawn
staples for any limited radials
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> From: Dale Miller
>
Sent: Saturday, January 04, 2014 6:26 PM
> To:
ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] antenna
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> On 1/4/2014 5:24 PM, Dale Miller
wrote:
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>
Looking for suggestions. I have an 160 vertical (commercial), and a 6-btv, but
as most of you know the 80 meter resonator could better used as a coat
hanger.
> I would like to erect some type of 80 meter antenna that did not
need ground radials as the 160 and the trap radials already cross all over this
city lot, and the mower guy hates them. I have a tree and tower that it could be
stretched from, but still another thing the mower has to mow around (coax drop)
Can't find anything in arrl wire, and vertical books. Any ideas?
>
> Are there any certain coax lenghts to avoid on a ground mounted 160
vertical that is loaded at the top? Currently running 100', but sometimes feel
like I am tuning coax only.
> TIA
> Dale K8TS
>
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>
> Well Dale if you read the literature you will know that an
antenna without ground radials.
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> Sorry didn't finish my
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> An antenna without ground radials is inefficient.
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> Check out this page at the bottom for the literature
on that subject.
> http://www.bencher.com/pdf_download.html
>
W0DN(SK) (Butternut founder) did a couple of papers on the subject of no ground
radials also.
>
> But for your query have nothing to help with
because I don't recall seeing anything in the ARRL handbook or Antenna
book.
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> All the Best &
73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since
1997 (Extra)
> Member of YahooPipesmokers and ASP since February

2005
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> Registered Linux User: #317401
> Linux since June
2003
> Registered Ubuntu User #26423
>
>
stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
>
bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com
> --
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> No virus found in this message.
> Checked by AVG -
www.avg.com
> Version: 2014.0.4259 / Virus Database: 3658/6975 - Release
Date: 01/04/14
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No virus found in this
message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus
Database: 3658/6977 - Release Date:
01/05/14

30782. New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 19:07:28 UTC
From: <ag6az@...>
Topic: 30782 Message: 30782

I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.

I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.

I will be on 3.803 MHz LSB tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to experiment.

Thanks & 73,

Keith
AK6ZZ

30783. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 19:54:03 UTC
From: Mel Farrer
Topic: 30782 Message: 30783

What time Keith?

Mel, K6KBE

On Sunday, January 5, 2014 11:07 AM, "ag6az@..." <ag6az@...> wrote:

I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.

I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.

I will be on 3.803 MHz LSB
tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to experiment.

Thanks & 73,

Keith
AK6ZZ

30784. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 20:21:00 UTC
From: Keith Heimbold
Topic: 30782 Message: 30784

Mel,

Thanks. I will be on at 02:00 UTC for awhile. I have the antenna towards 40 degrees northeast. My plan was to point it towards Europe. I can't wait to see how it works now that it is fully installed.

73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 5, 2014, at 11:56 AM, "Mel Farrer" <farrerfolks@yahoo.com> wrote:
>
> What time Keith?
>
> Mel, K6KBE
>
>
>
> On Sunday, January 5, 2014 11:07 AM, "ag6az@hotmail.com" <ag6az@hotmail.com> wrote:
>
> I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.
>
> I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.
>
> I will be on 3.803 MHz LSB tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to experiment.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
>
>

30785. Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 20:27:08 UTC
From: Richard Schmuke
Topic: 30785 Message: 30785

The forecast for my area is for 12 below tonight and not above zero tomorrow. I have about 8 inches of snow, high wind and a little more coming.

I just wanted to remind everyone that any antenna work done under these conditions will need a frequency adjustment made because of the compression of the atoms in the antenna material and things will get longer when it warms back up.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

30786. Re: [ham-antennas] Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 20:29:57 UTC
From: Daniel J. Newkirk
Topic: 30785 Message: 30786

For some strange reason I always wait until the weather is terrible before I decide to do any antenna work.
Guess its a guy thing or something :)

On Sunday, January 5, 2014 2:27 PM, Richard Schmuke <rdj@...> wrote:

The forecast for my area is for 12 below tonight and not above zero tomorrow. I have about 8 inches of snow, high wind and a little more coming.
I just wanted to remind everyone that any antenna work done under these conditions will need a frequency adjustment made because of the compression of the atoms in the antenna material and things will get longer when it warms back up.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

30787. Re: [ham-antennas] Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 21:44:47 UTC
From: Chuck Schultz
Topic: 30785 Message: 30787

Prior to making any adjustments , I recommend having your head examined
. The window temp for antenna work is 60 F to 90F . No exceptions
! Chuck Wq5B
On 1/5/2014 2:27 PM, Richard Schmuke wrote:
>
> The forecast for my area is for 12 below tonight and not above zero
> tomorrow. I have about 8 inches of snow, high wind and a little more
> coming.
>
> I just wanted to remind everyone that any antenna work done under
> these conditions will need a frequency adjustment made because of the
> compression of the atoms in the antenna material and things will get
> longer when it warms back up.
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
>

30788. Re: [ham-antennas] Antenna Work-Reply

Yahoo group: ham-antennas (2014)
Date: 2014-01-05 22:02:39 UTC
From: DVC3565@...
Topic: 30788 Message: 30788

My elmer taught me from day ONE...work on antennas in nice
weather..nothing will go right! 37+ years as a ham
has proven this to be true. Maybe it's because it was so damn cold, I did
it right-the first time!
Thanks for the "insight" Rich. A long time ago we had an electrician
apprentice believing that you could NOT twist wires together, as it created a
resistive "bump" in the wire. (We also had non-electronic types believing
that getting close to the radar director would make you sterile.)
73,
Dave-KJ4PF

In a message dated 1/5/2014 3:30:04 P.M. Eastern Standard Time,
kd0tli@... writes:

For some strange reason I always wait until the weather is terrible before
I decide to do any antenna work.
Guess its a guy thing or something :)

On Sunday, January 5, 2014 2:27 PM, Richard Schmuke <rdj@...>
wrote:

The forecast for my area is for 12 below tonight and not above zero
tomorrow. I have about 8 inches of snow, high wind and a little more coming.
I just wanted to remind everyone that any antenna work done under these
conditions will need a frequency adjustment made because of the compression
of the atoms in the antenna material and things will get longer when it
warms back up.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

30789. RE: [ham-antennas] Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 00:37:11 UTC
From: Richard Schmuke
Topic: 30785 Message: 30789

I don't need to be examined, in fact Waylon Jennings wrote a song about me 25 years ago, when my hair was dark and we looked about the same. Title is " I've always been crazy, but it kept me from going insane". You can hear it on YouTube.

I did wait until the RTTY contest was about over and went out and cleared a path down the drive way, it is about 300ft long and the snow was up to 12". It was down to about 8 degrees but the HYD oil flows better at 8 above now than at minus 12 tomorrow. With the wind today I think I have a broken 450 ohm line but that will have to wait, and yes it has a twist or two in it.

Rich, Kd0zz

Prior to making any adjustments , I recommend having your head examined .
The window temp for antenna work is 60 F to 90F . No exceptions !
Chuck Wq5B

On 1/5/2014 2:27 PM, Richard Schmuke wrote:

The forecast for my area is for 12 below tonight and not above zero tomorrow. I have about 8 inches of snow, high wind and a little more coming.

I just wanted to remind everyone that any antenna work done under these conditions will need a frequency adjustment made because of the compression of the atoms in the antenna material and things will get longer when it warms back up.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

30790. Re: [ham-antennas] Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 01:06:54 UTC
From: dale cole
Topic: 30785 Message: 30790

I read from a different book I guess. "What goes up in bad wx, stays up in good wx)
Dale K8TS

_____
From: Richard Schmuke <rdj@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 5, 2014 7:37 PM
Subject: RE: [ham-antennas] Antenna Work

I don't need to be examined, in fact Waylon Jennings wrote a song about me
25 years ago, when my hair was dark and we looked about the same. Title is "
I've always been crazy, but it kept me from going insane". You can hear it
on YouTube.

I did wait until the RTTY contest was about over and went out and cleared a
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It was down to about 8 degrees but the HYD oil flows better at 8 above now
than at minus 12 tomorrow. With the wind today I think I have a broken 450
ohm line but that will have to wait, and yes it has a twist or two in it.

Rich, Kd0zz

Prior to making any adjustments , I recommend having your head examined .
The window temp for antenna work is 60 F to 90F . No exceptions !
Chuck Wq5B

On 1/5/2014 2:27 PM, Richard Schmuke wrote:

The forecast for my area is for 12 below tonight and not above zero
tomorrow. I have about 8 inches of snow, high wind and a little more coming.

I just wanted to remind everyone that any antenna work done under these
conditions will need a frequency adjustment made because of the compression
of the atoms in the antenna material and things will get longer when it
warms back up.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

30791. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 03:16:30 UTC
From: Mark Pope
Topic: 30782 Message: 30791

Radio sounded good here in Idaho Keith. Good work on the sloper. Hope to qso with you again when you have more time.

73

Mark/W7MCP

On Sun, Jan 5, 2014 at 12:07 PM, <ag6az@...> wrote:

>
>
> I put up an 80m homebrew / salvage half sloper using one of the loading
> coils from a MFJ 80/40 dipole that snapped earlier this year. I used about
> 44' of new 14 gauge stranded insulated wire with the MFJ coil and the
> provided 14 gauge non insulated wire. My configuration is that the coil is
> at the end closest to the ground and the wire extends up to about 40' and
> attaches to a 1:1 balun and the other wire from the balun attaches to the
> tower with a stainless hose clamp. It took a little trial and error but I
> got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.
>
> I plan to test it tonight and depending on how it works I will use the
> second coil for another 80m sloper towards JA and Asia. Been fun reusing
> broken stuff and making antennas out of them.
>
> I will be on 3.803 MHz LSB tonight testing and doing A/B testing against
> my alpha delta dxcc antenna if anyone wants to give me a report. Hope it
> works good but still fun to experiment.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
>

30792. Re: [ham-antennas] Antenna Work

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 12:21:35 UTC
From: Jon Ermels
Topic: 30785 Message: 30792

Thanks Richard.

73 de NØIGU
Jon

On Sunday, January 5, 2014 7:07 PM, dale cole <dchamguy@...> wrote:

>
>
>I read from a different book I guess. "What goes up in bad wx, stays up in good wx)
>Dale K8TS
>
>
>From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, January 5, 2014 7:37 PM
>Subject: RE: [ham-antennas] Antenna Work
>
>
>I don't need to be examined, in fact Waylon Jennings wrote a song about me
>25 years ago, when my hair was dark and we looked about the same. Title is "
>I've always been crazy, but it kept me from going insane". You can hear it
>on YouTube.
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>path down the drive way, it is about 300ft long and the snow was up to 12".
>It was down to about 8 degrees but the HYD oil flows better at 8 above now
>than at minus 12 tomorrow. With the wind today I think I have a broken 450
>ohm line but that will have to wait, and yes it has a twist or two in it.
>
>Rich, Kd0zz
>
>Prior to making any adjustments , I recommend having your head examined .
>The window temp for antenna work is 60 F to 90F . No exceptions !
>Chuck Wq5B
>
>On 1/5/2014 2:27 PM, Richard Schmuke wrote:
>
>The forecast for my area is for 12 below tonight and not above zero
>tomorrow. I have about 8 inches of snow, high wind and a little more coming.
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>I just wanted to remind everyone that any antenna work done under these
>conditions will need a frequency adjustment made because of the compression
>of the atoms in the antenna material and things will get longer when it
>warms back up.
>

>The above post can be fictional, hypothetical, or downright nonsensical.
>
>Rich, Kd0zz
>
>[Non-text portions of this message have been removed]
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>
>

30793. Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 16:47:43 UTC
From: Billy McFarland
Topic: 30785 Message: 30793

Guys,

I'm looking to see if someone with antenna modelling software could give me a hand and do modelling on an wire antenna design I have. If anyone can help please let me know so I can email you the details.

Thanks

Billy
GM0OBX

30794. Re: antenna woes

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 17:57:15 UTC
From: Jim
Topic: 30766 Message: 30794

Hi Dale...

Mods for the xBTV series antenna.....

You didn't mention your lot size or available supports, so this may not help. It would most certainly increase your antenna's efficiency on 80m, besides adding 160m.

http://www.hamuniverse.com/k8kas160104btvmultibandantenna.html

The article calls for commercial traps. They are high Q devices and will give you maximum wire length, if your lot can support them. You could make the traps from coax; the 80m wire would be just about the same length, but the 160 wire section would shorten by 10 or 12 feet. I would think bending the antenna wires would be OK to accommodate the lot size.

You can drop Reyco an email and get the current costs on the traps; they will sell one for each band even though the web page seems to show prices for dipole pairs. Mine were about $55 a couple of years ago. Since your only running 100w, you could make your own out of pvc and rg58 coax, or ask someone from your local club.

If your current 160m antenna is working Ok, then just add the section for 80m to increase the radiation efficiency and add some horizontal polarization.

The k8kas mod started out at eham.net, so you might find more info there.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, dale cole <dchamguy@...> wrote:
>
> Looking for suggestions. I have an 160 vertical (commercial), and a 6-btv, but as most of you know the 80 meter resonator could better used as a coat hanger.
> I would like to erect some type of 80 meter antenna that did not need ground radials as the 160 and the trap radials already cross all over this city lot, and the mower guy hates them. I have a tree and tower that it could be stretched from, but still another thing the mower has to mow around (coax drop) Can't find anything in arrl wire, and vertical books. Any ideas?
>
> Are there any certain coax lenghts to avoid on a ground mounted 160 vertical that is loaded at the top? Currently running 100', but sometimes feel like I am tuning coax only.
> TIA
> Dale K8TS
>

30795. Re: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 20:05:04 UTC
From: Mel Farrer
Topic: 30785 Message: 30795

Send what you have got Billy,

Will try to assist.

Mel, K6KBE

On Monday, January 6, 2014 8:47 AM, Billy McFarland <gm0obx@...> wrote:

Guys,

I'm looking to see if someone with antenna modelling software could give me a hand and do modelling on an wire antenna design I have. If anyone can help please let me know so I can email you the details.

Thanks

Billy
GM0OBX

From: Jon Ermels <n0igu@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Antenna Work
Sent: Mon, Jan 6, 2014 12:21:35 PM

Thanks Richard.

73 de NØIGU
Jon

On Sunday, January 5, 2014 7:07 PM, dale cole <dchamguy@...> wrote:

>
>
>I read from a different book I guess. "What goes up in bad wx, stays up in good wx)
>Dale K8TS
>
>
>From: Richard Schmuke <rdj@...>
>To: ham-antennas@yahoogroups.com
>Sent: Sunday, January 5, 2014 7:37 PM
>Subject: RE: [ham-antennas] Antenna Work
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>25 years ago, when my hair was dark and we looked about the same. Title is "
>I've always been crazy, but it kept me from going insane". You can hear it
>on YouTube.

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>I did wait until the RTTY contest was about over and went out and cleared a
>path down the drive way, it is about 300ft long and the snow was up to 12".
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>than at minus 12 tomorrow. With the wind today I think I have a broken 450
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30796. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 20:15:52 UTC
From: Keith Heimbold
Topic: 30782 Message: 30796

Thanks Mark. I think it is interesting to note that the antenna did seem to have a beneficial directional transmit ability to the northeast, based on a few reports from a little less than 1 S unit to more than 1 S unit at the same power level.

For already strong signals in that direction I saw a corresponding increase in received signals along with an increase in noise level between 1/2 to 1 S unit. For "weaker signals" like those coming from Europe last night like DF2BO and a few others from the UK last night on 3.7999 MHz the dipole's lower noise level allowed me to actually have full Q5 readability while the sloper I could barely copy the signal through the increased noise. I knew they were there but it was more challenging to understand what was being said.

Of course one evenings results doesn't conclude the analysis. I will continue my plan to build another reduced sloper for Asia Pacific direction or 120 degrees offset from the other sloper.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 5, 2014, at 7:16 PM, "Mark Pope" <popespcworks@gmail.com> wrote:
>
> Radio sounded good here in Idaho Keith. Good work on the sloper. Hope to qso with you again when you have more time.
>
> 73
>
> Mark/W7MCP
>
>
>> On Sun, Jan 5, 2014 at 12:07 PM, <ag6az@hotmail.com> wrote:
>>
>> I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.
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>> I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.
>>
>> I will be on 3.803 MHz LSB tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to

experiment.
>>
>> Thanks & 73,
>>
>> Keith
>> AK6ZZ
>>
>
>

30797. Re: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 20:30:52 UTC
From: Billy McFarland
Topic: 30785 Message: 30797

Thanks Mel I'll get it sent over after work

Thanks

Billy
GM0OBX

30798. Re: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 22:21:59 UTC
From: Mel Farrer
Topic: 30785 Message: 30798

Since you are looking for assistance, I am glad to help. While we can do a quick estimate with little data, it is much more rewarding if we have more data than we can use, hi.

OK, and to give you a little insight as to what is important here is a list of things that matter:

Frequency or frequencies you want to operate
Will you be using a antenna tuner to get the match
How will the antenna be configured, that is center fed, end fed and with what kind of feedline and if possible how long it will be
    That is, horizontal dipole, inverted V, etc.
How high above ground will it be
What if any buildings/structures will be near by, and will the antenna be in a congested area, near water, trees, etc.
What size wire will be used and how will the antenna be supported and where, ends, center and ends
Finally the modelling will be only as good/accurate as the data provided.

That should get us off to a good start. Mostly this is all a great deal of fun for a old retired engineer.

Mel, K6KBE

On Monday, January 6, 2014 12:30 PM, Billy McFarland <gm0obx@...> wrote:

Thanks Mel I'll get it sent over after work

Thanks

Billy
GM0OBX

From: Mel Farrer <farrerfolks@yahoo.com>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Antenna modelling help!
Sent: Mon, Jan 6, 2014 8:05:04 PM

Send what you have got Billy,

Will try to assist.

Mel, K6KBE

On Monday, January 6, 2014 8:47 AM, Billy McFarland <gm0obx@...> wrote:

Guys,

I'm looking to see if someone with antenna modelling software could give me a hand and do modelling on an wire antenna design I have. If anyone can help please let me know so I can email you the details.

Thanks

Billy
GM0OBX

From: Jon Ermels <n0igu@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Antenna Work
Sent: Mon, Jan 6, 2014 12:21:35 PM

Thanks Richard.

73 de NØIGU
Jon

On Sunday, January 5, 2014 7:07 PM, dale cole <dchamguy@...> wrote:

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>I read from a different book I guess. "What goes up in bad wx, stays up in good wx)
>Dale K8TS
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>
>From: Richard Schmuke <rdj@...>
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>Sent: Sunday, January 5, 2014 7:37 PM
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>25 years ago, when my hair was dark and we looked about the same. Title is "
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>path down the drive way, it is about 300ft long and the snow was up to 12".
>It was down to about 8 degrees but the HYD oil flows better at 8 above now
>than at minus 12 tomorrow. With the wind today I think I have a broken 450
>ohm line but that will have to wait, and yes it has a twist or two in it.
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30799. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 23:14:24 UTC
From: Mark Pope
Topic: 30782 Message: 30799

I know here I use an OCF Windom in an inverted V configuration. Its up about 35ft. That's what I was using to QSO with you last night. I also have a Mosley TA-33 jr with the Warc bands. Lately I have found myself using the Windom more often as the Mosley is getting a lot of noise that the wire does not. So as to what your saying I can understand. The Windom does not have "ears" like the Mosley but with less noise I can actually hear more. We are under snow and ice right now but when spring gets here I am going to look into what all the noise is about. Think there might be a noisy power pole transformer to the Northeast of my property..And of course NE is where I want it pointed for European DX. Go figure.

73
Mark/W7MCP

On Mon, Jan 6, 2014 at 1:15 PM, Keith Heimbold <ag6az@...> wrote:

>
>
> Thanks Mark. I think it is interesting to note that the antenna did seem
> to have a beneficial directional transmit ability to the northeast, based
> on a few reports from a little less than 1 S unit to more than 1 S unit at
> the same power level.
>
> For already strong signals in that direction I saw a corresponding
> increase in received signals along with an increase in noise level between
> 1/2 to 1 S unit. For "weaker signals" like those coming from Europe last
> night like DF2BO and a few others from the UK last night on 3.7999 MHz the
> dipole's lower noise level allowed me to actually have full Q5 readability
> while the sloper I could barely copy the signal through the increased
> noise. I knew they were there but it was more challenging to understand
> what was being said.
>
> Of course one evenings results doesn't conclude the analysis. I will
> continue my plan to build another reduced sloper for Asia Pacific direction
> or 120 degrees offset from the other sloper.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Jan 5, 2014, at 7:16 PM, "Mark Pope" <popespcworks@...> wrote:
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>
> Radio sounded good here in Idaho Keith. Good work on the sloper. Hope to

> qso with you again when you have more time.
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> 73
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> Mark/W7MCP
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>> provided 14 gauge non insulated wire. My configuration is that the coil is
>> at the end closest to the ground and the wire extends up to about 40' and
>> attaches to a 1:1 balun and the other wire from the balun attaches to the
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>> broken stuff and making antennas out of them.
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>> my alpha delta dxcc antenna if anyone wants to give me a report. Hope it
>> works good but still fun to experiment.
>>
>> Thanks & 73,
>>
>> Keith
>> AK6ZZ
>>
>
>
>

30800. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-06 23:28:37 UTC
From: Mel Farrer
Topic: 30782 Message: 30800

Keith, I must apologize for the critical audio comment on your test. First off, I had the cans on my bad ear, the one with the previously reputered ear drum. And as a result I cranked up the audio level to hear "better" that is why now the audio has distortion on my end. Hate that when it happens.

Anyway, I hope the tests were to your liking. It is always a good feeling when it works as planned. Cheers,

Mel, K6KBE

On Monday, January 6, 2014 3:14 PM, Mark Pope <popespcworks@...> wrote:

I know here I use an OCF Windom in an inverted V configuration. Its up about 35ft. That's what I was using to QSO with you last night. I also have a Mosley TA-33 jr with the Warc bands. Lately I have found myself using the Windom more often as the Mosley is getting a lot of noise that the wire does not. So as to what your saying I can understand. The Windom does not have "ears" like the Mosley but with less noise I can actually hear more. We are under snow and ice right now but when spring gets here I am going to look into what all the noise is about. Think there might be a noisy power pole transformer to the Northeast of my property..And of course NE is where I want it pointed for European DX. Go figure.

73
Mark/W7MCP

On Mon, Jan 6, 2014 at 1:15 PM, Keith Heimbold <ag6az@...> wrote:

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>Thanks Mark. I think it is interesting to note that the antenna did seem to have a beneficial directional transmit ability to the northeast, based on a few reports from a little less than 1 S unit to more than 1 S unit at the same power level.
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>
>For already strong signals in that direction I saw a corresponding increase in received signals along with an increase in noise level between 1/2 to 1 S unit. For "weaker signals" like those coming from Europe last night like DF2BO and a few others from the UK last night on 3.7999 MHz the dipole's lower noise level allowed me to actually have full Q5 readability while the sloper I could barely copy the signal through the increased noise. I knew they were there but it was more challenging to understand what was being said.
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>Keith
>AK6ZZ

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>>>Thanks & 73,
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>>>Keith
>>>AK6ZZ
>>

30801. AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-07 16:13:30 UTC
From: siegfried jackstien
Topic: 30785 Message: 30801

What about lending you a hand and show you how to USE a modelling software and do it on your own ... you have 2 things in one ... modelled your own antenna ... and learned HOW to do that ...

Yes that maybe would take some time (depending on what setup you have /plan to build)

But I guess it would be "more fun"

Do you homebrew things?? Why not learn how to "homebrew" antennas??

Dg9bfc

Sigi

ps mmana is freeware and easy to use ... with LOTS of ready to use models in it.....

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy McFarland
> Gesendet: Montag, 6. Januar 2014 16:48
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Antenna modelling help!
>
>
>
> Guys,
>
> I'm looking to see if someone with antenna modelling software could give
> me a hand and do modelling on an wire antenna design I have. If anyone can
> help please let me know so I can email you the details.
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> Thanks
>
> Billy
> GM0OBX
>
>
> _____
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> From: Jon Ermels <n0igu@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Antenna Work
> Sent: Mon, Jan 6, 2014 12:21:35 PM
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> Thanks Richard.
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> 73 de NØIGU
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> From: Richard Schmuke <rdj@...>
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> Sent: Sunday, January 5, 2014 7:37 PM
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> Chuck Wq5B
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> Rich, Kd0zz
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> [Non-text portions of this message have been removed]
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30802. RE: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-07 16:24:37 UTC
From: Billy McFarland
Topic: 30785 Message: 30802

Hi Sigi ,

I do make a lot if homebrew things, cables, baluns, ptt adapters, and antennas mainly dipoles, windings cobwebb and now I'm making an optibeam ob6-3m. I don't have any of the modelling software and just now I don't really have time to get it and learn how to use it. I'm building my own house extension. Studying for a promotion exam at work, got two kids under three, tutor at my local radio club and I work shifts to add to the pressure lol. Also I help people design QSL cards and I've got a few to tidy up. Lol

But that's just one dats schedule ;)

73 de GM0OBX billy

30803. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-07 19:05:06 UTC
From: Keith Heimbold
Topic: 30782 Message: 30803

Hi Mel,

No worries. I really appreciate you taking time to provide signal reports and enjoyed meeting you on the band.

It was good to have multiple folks on even though it overwhelmed me with so many kind ham operators coming to help me test this antenna.

I have occluded after a couple days that the sloper transmits fairly well in northeast direction but doesn't hear well. I decided to build a single loop temporary K9AY antenna that I have in my mind. It should take no time to put together as I have all the parts for a beverage antenna and for a simple K9AY used similar parts. I will keep everyone updated on how this experiment goes and post photos to the yahoo group.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 6, 2014, at 3:28 PM, "Mel Farrer" <farrerfolks@yahoo.com> wrote:
>
> Keith, I must apologize for the critical audio comment on your test. First off, I had the cans on my bad ear, the one with the previously reputered ear drum. And as a result I cranked up the audio level to hear "better" that is why now the audio has distortion on my end. Hate that when it happens.
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> On Mon, Jan 6, 2014 at 1:15 PM, Keith Heimbold <ag6az@hotmail.com> wrote:
>
> Thanks Mark. I think it is interesting to note that the antenna did seem to have a beneficial directional transmit ability to the northeast, based on a few reports from a little less than 1 S unit to more than 1 S unit at the same power level.
>
> For already strong signals in that direction I saw a corresponding increase in received signals along with an increase in noise level between 1/2 to 1 S unit. For "weaker signals" like those coming from Europe last night like DF2BO and a few others from the UK last night on 3.7999 MHz the dipole's lower noise level allowed me to actually have full Q5 readability while the sloper I could barely copy the signal through the increased noise. I knew they were there but it was more challenging to understand what was being said.
>
> Of course one evenings results doesn't conclude the analysis. I will continue my plan to build another reduced sloper for Asia Pacific direction or 120 degrees offset from the other sloper.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Jan 5, 2014, at 7:16 PM, "Mark Pope" <popespcworks@gmail.com> wrote:
>>
>>
>> Radio sounded good here in Idaho Keith. Good work on the sloper. Hope to qso with you again when you have more time.
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>> 73
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>> Mark/W7MCP
>>
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>> On Sun, Jan 5, 2014 at 12:07 PM, <ag6az@hotmail.com> wrote:
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>> I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.
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>> I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.
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>> I will be on 3.803 MHz LSB tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to experiment.
>>
>> Thanks & 73,
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>> AK6ZZ
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30804. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-07 20:02:45 UTC
From: Mel Farrer
Topic: 30782 Message: 30804

Sounds Good.

Mel, K6KBE

On Tuesday, January 7, 2014 11:05 AM, Keith Heimbold <ag6az@...> wrote:

Hi Mel,

No worries. I really appreciate you taking time to provide signal reports and enjoyed meeting you on the band.

It was good to have multiple folks on even though it overwhelmed me with so many kind ham operators coming to help me test this antenna.

I have occluded after a couple days that the sloper transmits fairly well in northeast direction but doesn't hear well. I decided to build a single loop temporary K9AY antenna that I have in my mind. It should take no time to put together as I have all the parts for a beverage antenna and for a simple K9AY used similar parts. I will keep everyone updated on how this experiment goes and post photos to the yahoo group.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Jan 6, 2014, at 3:28 PM, "Mel Farrer" <farrerfolks@...> wrote:

>Keith, I must apologize for the critical audio comment on your test. First off, I had the cans on my bad ear, the one with the previously reputered ear drum. And as a result I cranked up the audio level to hear "better" that is why now the audio has distortion on my end. Hate that when it happens.
>
>Anyway, I hope the tests were to your liking. It is always a good feeling when it works as planned. Cheers,
>
>Mel, K6KBE
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>
>On Monday, January 6, 2014 3:14 PM, Mark Pope <popespcworks@...> wrote:
>
>
>I know here I use an OCF Windom in an inverted V configuration. Its up about 35ft. That's

what I was using to QSO with you last night. I also have a Mosley TA-33 jr with the Warc bands. Lately I have found myself using the Windom more often as the Mosley is getting a lot of noise that the wire does not. So as to what your saying I can understand. The Windom does not have "ears" like the Mosley but with less noise I can actually hear more. We are under snow and ice right now but when spring gets here I am going to look into what all the noise is about. Think there might be a noisy power pole transformer to the Northeast of my property..And of course NE is where I want it pointed for European DX. Go figure.
>
>
>73
>Mark/W7MCP
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30805. Electromagnetic Waves two components which are best

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 00:33:05 UTC
From: <danyoder.cs@...>
Topic: 30805 Message: 30805

Hi All,

I would like to make a few statements below please correct if needed and answer the question if it is of interest to you. The paragraph below my name was copied and pasted from an article that a forum member gave me called Practle Circuits attached.

The rf signal has two components an electric field and a magnetic field. I assume that the modulated AM signal shows up on both components in phase.
Now if you see below an AM radio that has a teleoscopic rod or a long wire antenna responds to the electric field and one that has a loop antenna or ferrite rod coil it responds to the magnetic field. Okay this is cool info, but here is my real concern. A magnetic loop antenna that you would move close to your radio inductivley coupling to the ferrite rod strengthens the signal I assume that they are enhancing the rf voltage or the loop was just tuning out noise and interference. Here is the question, If you have a long wire that is responding to the electric field and a magnetic loop or ferrite rod can both of these two different components electric and magnetic combine and move on to the detector for rectification? Or should you just work with one field at a time. Is one better than the other to harness and filter.
Thanks Dan

Receiving aerials respond to either the electric or the magnetic field
radiated by the transmitter. Sets that use telescopic rod or wire aerials
pick up the electric field. Receivers that have loop aerials, i.e., a coil
wound on a frame or a ferrite rod, respond to the magnetic field.
Portable receivers usually incorporate both: long and medium
waves (150kHz to 1·6MHz) are covered by a loop with a ferrite
rod core, and the v.h.f. f.m. band (88MHz to 108MHz) and shortwave
bands by a telescopic aerial.

30806. RE: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 09:47:03 UTC
From: Billy McFarland
Topic: 30785 Message: 30806

Mel, I have sent you the info direct to your email

73 de GM0OBX billy

30807. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 14:26:44 UTC
From: Mel Farrer
Topic: 30785 Message: 30807

Got the file of the picture, that is all. Could use the extra data asked for.

Mel

On Wednesday, January 8, 2014 1:47 AM, Billy McFarland <gm0obx@...> wrote:

Mel, I have sent you the info direct to your email

73 de GM0OBX billy

From: Billy McFarland <gm0obx@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: RE: AW: [ham-antennas] Antenna modelling help!
Sent: Tue, Jan 7, 2014 4:24:37 PM

Hi Sigi ,

I do make a lot if homebrew things, cables, baluns, ptt adapters, and antennas mainly dipoles, windings cobwebb and now I'm making an optibeam ob6-3m. I don't have any of the modelling software and just now I don't really have time to get it and learn how to use it. I'm building my own house extension. Studying for a promotion exam at work, got two kids under three, tutor at my local radio club and I work shifts to add to the pressure lol. Also I help people design QSL cards and I've got a few to tidy up. Lol

But that's just one dats schedule ;)

73 de GM0OBX billy

From: siegfried jackstien <siegfried.jackstien@freenet.de>;
To: <ham-antennas@yahoogroups.com>;
Subject: AW: [ham-antennas] Antenna modelling help!
Sent: Tue, Jan 7, 2014 4:13:30 PM

What about lending you a hand and show you how to USE a modelling software
and do it on your own ... you have 2 things in one ... modelled your own
antenna ... and learned HOW to do that ...

Yes that maybe would take some time (depending on what setup you have /plan
to build)

But I guess it would be "more fun"

Do you homebrew things?? Why not learn how to "homebrew" antennas??

Dg9bfc

Sigi

ps mmana is freeware and easy to use ... with LOTS of ready to use models in it.....

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy McFarland
> Gesendet: Montag, 6. Januar 2014 16:48
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Antenna modelling help!
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> Guys,
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> Thanks
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> Billy
> GM0OBX
>
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> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Antenna Work
> Sent: Mon, Jan 6, 2014 12:21:35 PM
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>
> Thanks Richard.
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> 73 de NØIGU
> Jon
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> stays up in good wx)
> Dale K8TS
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> From: Richard Schmuke <rdj@...>

> To: ham-antennas@yahoogroups.com
> Sent: Sunday, January 5, 2014 7:37 PM
> Subject: RE: [ham-antennas] Antenna Work
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> Prior to making any adjustments , I recommend having your head
> examined .
> The window temp for antenna work is 60 F to 90F . No exceptions !
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> coming.
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> these
> conditions will need a frequency adjustment made because of the
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> of the atoms in the antenna material and things will get longer when
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> [Non-text portions of this message have been removed]
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30808. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 15:13:34 UTC
From: Billy McFarland
Topic: 30785 Message: 30808

Hi Mel

Sorry I missed the email for data. What exactly do you need.

It's fed with 59 ohm coax to a 4:1 balun as on the drawing. Then base of the antenna is 6 inches of the ground and the end of the radiator part is 1m above ground.

73 de GM0OBX billy

30809. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 15:28:50 UTC
From: Mel Farrer
Topic: 30785 Message: 30809

Here is a repeat plus I asked if you have any measurements of the antenna SWR without a tuner? Some of the questions you answered.

Frequency or frequencies you want to operate
Will you be using a antenna tuner to get the match
How
will the antenna be configured, that is center fed, end fed and with
what kind of feedline and if possible how long it will be
    That is, horizontal dipole, inverted V, etc.
How high above ground will it be
What if any buildings/structures will be near by, and will the antenna be in a congested area, near water, trees, etc.
What size wire
will be used and how will the antenna be supported and where, ends, center and ends
Finally the modelling will be only as good/accurate as the data provided.

Mel, K6KBE

On Wednesday, January 8, 2014 7:13 AM, Billy McFarland <gm0obx@...> wrote:

Hi Mel

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73 de GM0OBX billy

From: Mel Farrer <farrerfolks@yahoo.com>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: AW: [ham-antennas] Antenna modelling help!
Sent: Wed, Jan 8, 2014 2:26:44 PM

Got the file of the picture, that is all. Could use the extra data asked for.

Mel

On Wednesday, January 8, 2014 1:47 AM, Billy McFarland <gm0obx@...> wrote:

Mel, I have sent you the info direct to your email

73 de GM0OBX billy

From: Billy McFarland <gm0obx@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;

Subject: RE: AW: [ham-antennas] Antenna modelling help!
Sent: Tue, Jan 7, 2014 4:24:37 PM

Hi Sigi ,

I do make a lot if homebrew things, cables, baluns, ptt adapters, and antennas mainly dipoles, windings cobwebb and now I'm making an optibeam ob6-3m. I don't have any of the modelling software and just now I don't really have time to get it and learn how to use it. I'm building my own house extension. Studying for a promotion exam at work, got two kids under three, tutor at my local radio club and I work shifts to add to the pressure lol. Also I help people design QSL cards and I've got a few to tidy up. Lol

But that's just one dats schedule ;)

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Yes that maybe would take some time (depending on what setup you have /plan to build)

But I guess it would be "more fun"

Do you homebrew things?? Why not learn how to "homebrew" antennas??

Dg9bfc

Sigi

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30810. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 16:06:33 UTC
From: Billy McFarland
Topic: 30785 Message: 30810

Hi Mel,

oK Here goes:

1.Frequency 7mhz - 30 mhz (it may work on 60m)
2.yes tuner will be used
3.antenna is fed with 4:1 balun at point indicated on drawing. the two 1/4 wave matching sections are shorted together at the very bottom and then from that point its fed 1.05m (this was a guess to where the feed point would be around 200 ohms) the 1/4 wave matching section is vertical with the antenna being just 6 inches from the ground. Once the 1/4 wave sections are vertical (around 10m tall) then it will slope to one side. The end of this radiator will be around 1m from the ground.
4. I will use this antenna as a field day operation so it nothing will be close by as the center will be supported by a 12m mast. On a grass surface. (a field for example).
5. I will be using 10m of 50 ohm coax to the balun.
6. The swr reading I got on 7.15 mhz was around 2:1 the antenna was installed in an inverted V configuration and the centre was supported by scaffolding which is at my house so the swr could be effected by that scaffolding pole.

thanks

73 de GMØOBX Billy

On Wednesday, 8 January 2014, 15:28, Mel Farrer <farrerfolks@...> wrote:

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> Rich, Kd0zz
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> [Non-text portions of this message have been removed]
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30811. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 16:44:43 UTC
From: Mel Farrer
Topic: 30785 Message: 30811

Alright. The fact that you have a 2:1 SWR on 40 meters is a good sign that the speaker wire is working for you.

I have attached the file to my antenna folder for you.

Mel, K6KBE

On Wednesday, January 8, 2014 8:06 AM, Billy McFarland <gm0obx@...> wrote:

Hi Mel,

oK Here goes:

1.Frequency 7mhz - 30 mhz (it may work on 60m)
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5. I will be using 10m of 50 ohm coax to the balun.
6. The swr reading I got on 7.15 mhz was around 2:1 the antenna was installed in an inverted V configuration and the centre was supported by scaffolding which is at my house so the swr could be effected by that scaffolding pole.

thanks

73 de GMØOBX Billy

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Here is a repeat plus I asked if you have any measurements of the antenna SWR without a tuner? Some of the questions you answered.

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will the antenna be configured, that is center fed, end fed and with
what kind of feedline and if possible how long it will be
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What size wire
will be used and how will the antenna be supported and where, ends, center and ends

Finally the modelling will be only as good/accurate as the data provided.

Mel, K6KBE

On Wednesday, January 8, 2014 7:13 AM, Billy McFarland <gm0obx@...> wrote:

Hi Mel

Sorry I missed the email for data. What exactly do you need.

It's fed with 59 ohm coax to a 4:1 balun as on the drawing. Then base of the antenna is 6 inches of the ground and the end of the radiator part is 1m above ground.

73 de GM0OBX billy

From: Mel Farrer <farrerfolks@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: AW: [ham-antennas] Antenna modelling help!
Sent: Wed, Jan 8, 2014 2:26:44 PM

Got the file of the picture, that is all. Could use the extra data asked for.

Mel

On Wednesday, January 8, 2014 1:47 AM, Billy McFarland <gm0obx@...> wrote:

Mel, I have sent you the info direct to your email

73 de GM0OBX billy

From: Billy McFarland <gm0obx@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: RE: AW: [ham-antennas] Antenna modelling help!
Sent: Tue, Jan 7, 2014 4:24:37 PM

Hi Sigi ,

I do make a lot if homebrew things, cables, baluns, ptt adapters, and antennas mainly dipoles, windings cobwebb and now I'm making an optibeam ob6-3m. I don't have any of the modelling software and just now I don't really have time to get it and learn how to use it. I'm building my own house extension. Studying for a promotion exam at work, got two kids under three, tutor at my local radio club and I work shifts to add to the pressure lol. Also I help people design QSL cards and I've got a few to tidy up. Lol

But that's just one dats schedule ;)

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From: siegfried jackstien <siegfried.jackstien@freenet.de>;
To: <ham-antennas@yahoogroups.com>;
Subject: AW: [ham-antennas] Antenna modelling help!

Sent: Tue, Jan 7, 2014 4:13:30 PM

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Yes that maybe would take some time (depending on what setup you have /plan to build)

But I guess it would be "more fun"

Do you homebrew things?? Why not learn how to "homebrew" antennas??

Dg9bfc

Sigi

ps mmana is freeware and easy to use ... with LOTS of ready to use models in it.....

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy McFarland
> Gesendet: Montag, 6. Januar 2014 16:48
> An: ham-antennas@yahoogroups.com
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> From: Jon Ermels <n0igu@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Antenna Work
> Sent: Mon, Jan 6, 2014 12:21:35 PM
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> Thanks Richard.

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> 73 de NØIGU
> Jon
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30812. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 17:19:01 UTC
From: Billy McFarland
Topic: 30785 Message: 30812

Hi Mel,

Got the file. THANKS! it certainly looks the part and should be good for a Field day. What changes if any would you make?

73 de GMØOBX Billy

On Wednesday, 8 January 2014, 16:44, Mel Farrer <farrerfolks@...> wrote:

Alright. The fact that you have a 2:1 SWR on 40 meters is a good sign that the speaker wire is working for you.

I have attached the file to my antenna folder for you.

Mel, K6KBE

On Wednesday, January 8, 2014 8:06 AM, Billy McFarland <gm0obx@yahoo.co.uk> wrote:

Hi Mel,

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On Wednesday, January 8, 2014 7:13 AM, Billy McFarland <gm0obx@...> wrote:

Hi Mel

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It's fed with 59 ohm coax to a 4:1 balun as on the drawing. Then base of the antenna is 6 inches of the ground and the end of the radiator part is 1m above ground.

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From: Mel Farrer <farrerfolks@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: AW: [ham-antennas] Antenna modelling help!
Sent: Wed, Jan 8, 2014 2:26:44 PM

Got the file of the picture, that is all. Could use the extra data asked for.

Mel

On Wednesday, January 8, 2014 1:47 AM, Billy McFarland <gm0obx@...> wrote:

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From: Billy McFarland <gm0obx@yahoo.co.uk>;
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Subject: RE: AW: [ham-antennas] Antenna modelling help!
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But that's just one dats schedule ;)

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Yes that maybe would take some time (depending on what setup you have /plan to build)

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30813. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 17:50:49 UTC
From: Mel Farrer
Topic: 30785 Message: 30813

Well, I don't favor a end fed resonant antenna for multi band use. I favor OCF. The match seems to be better, however, as the old saying goes if it ain't broke, don't fix it, hi. Since you seem to have a reasonable match with the tuner. I would stay with it. If however, you run into matching problems, I would have a meter or two handy to add to the bottom of your speaker feed line. Good luck and happy DX'ing.

Mel, K6KBE

On Wednesday, January 8, 2014 9:19 AM, Billy McFarland <gm0obx@yahoo.co.uk> wrote:

Hi Mel,

Got the file. THANKS! it certainly looks the part and should be good for a Field day. What changes if any would you make?

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30814. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 17:58:12 UTC
From: Billy McFarland
Topic: 30785 Message: 30814

Tiffani's for your help Mel

73 de GM0OBX billy

30815. Re: AW: [ham-antennas] Antenna modelling help!

Yahoo group: ham-antennas (2014)
Date: 2014-01-08 17:58:30 UTC
From: Billy McFarland
Topic: 30785 Message: 30815

Thanks for your help Mel

73 de GM0OBX billy

30816. Folded monopole for portable use

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 00:09:31 UTC
From: <farrerfolks@...>
Topic: 30816 Message: 30816

Hello all,

I am interested in finding a solution for the portable use where the antenna is NOT a simple whip, but a folded type to ground. That is, if we look at a simple whip, then look at the possibility of making it a folded mono pole and resonant it against local ground. Anybody got ideas???

Mel, K6KBE

30817. Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 14:37:54 UTC
From: Richard Schmuke
Topic: 30817 Message: 30817

I was on the net frequency last night and never heard net control but did have a good two way with Marc, KJ4UQT, all S9+ between Missouri and Florida. At least I know my new 40M vertical works to Fl, I may have to rotate the mount to get better coverage.

Rich , Kd0zz

30818. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 15:00:38 UTC
From: Gerald Bishop
Topic: 30817 Message: 30818

Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON 7236 for a few weeks and locals thought maybe that 40 was taking off sky-ward and many not heard. Then tried 3973 -80 mtrs seeing if that work better. So ,Have been calling both,and if no-one happens to check in,..then I shut it down. Too damn cold to be in the shack if no-one else is out there . We are out of Alpena,.Michigan - De W8KQ -jERRY.
----- Original Message -----
From: Richard Schmuke
To: ham-antennas@yahoogroups.com
Sent: Thursday, January 09, 2014 9:37 AM
Subject: [ham-antennas] Net

I was on the net frequency last night and never heard net control but did have a good two way with Marc, KJ4UQT, all S9+ between Missouri and Florida. At least I know my new 40M vertical works to Fl, I may have to rotate the mount to get better coverage.

Rich , Kd0zz

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30819. RE: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 15:30:51 UTC
From: Richard Schmuke
Topic: 30817 Message: 30819

Duh---- I guess I am loosing it. I sent this to the wrong group. Another senior moment

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Gerald Bishop
Sent: Thursday, January 09, 2014 9:01 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Net

Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON 7236 for a few weeks and locals thought maybe that 40 was taking off sky-ward and many not heard. Then tried 3973 -80 mtrs seeing if that work better. So ,Have been calling both,and if no-one happens to check in,..then I shut it down. Too damn cold to be in the shack if no-one else is out there . We are out of Alpena,.Michigan - De W8KQ -jERRY.

----- Original Message -----

From: Richard Schmuke <mailto:rdj@...>

To: ham-antennas@yahoogroups.com

Sent: Thursday, January 09, 2014 9:37 AM

Subject: [ham-antennas] Net

I was on the net frequency last night and never heard net control but did have a good two way with Marc, KJ4UQT, all S9+ between Missouri and Florida. At least I know my new 40M vertical works to Fl, I may have to rotate the mount to get better coverage.

Rich , Kd0zz

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This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

30820. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 15:33:55 UTC
From: Keith Heimbold
Topic: 30817 Message: 30820

A weekly ham antennas net is not the worse idea ever. I got excited for a minute when i saw the subject heading.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 9, 2014, at 7:30 AM, "Richard Schmuke" <rdj@wildblue.net> wrote:
>
> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Gerald Bishop
> Sent: Thursday, January 09, 2014 9:01 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Net
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>
> ----- Original Message -----
>
> From: Richard Schmuke <mailto:rdj@wildblue.net>
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Thursday, January 09, 2014 9:37 AM
>
> Subject: [ham-antennas] Net
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> I was on the net frequency last night and never heard net control but did
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> At least I know my new 40M vertical works to Fl, I may have to rotate the
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> Rich , Kd0zz
>
> _____
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> <http://www.avast.com/> Image removed by sender.
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
> [Non-text portions of this message have been removed]
>
>

30821. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 15:46:58 UTC
From: Billy McFarland
Topic: 30741 Message: 30821

I've just tested the balun. FT-140-43. With a 200 ohm resistor across it at 1.9mhz it's sitting 1:1 swr but as it goes to 29mhz it's sitting at 1.5:1. How could I get it to reduce to 1:1 at 29 MHz?

73 de GM0OBX billy

30822. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 16:38:11 UTC
From: Artek Manuals
Topic: 30741 Message: 30822

1) try reducing the number of turns (may give poorer performance at the lower frequencies)
2) Different spacing between the two wires (lowers the mutual capacitance ...may also give poorer results at 1.8MHz)
3) 61 core material may work better at 29MHz but much poorer 7MHZ and below

Dave
NR1DX

On 1/9/2014 9:46 AM, Billy McFarland wrote:
>
> I've just tested the balun. FT-140-43. With a 200 ohm resistor across
> it at 1.9mhz it's sitting 1:1 swr but as it goes to 29mhz it's sitting
> at 1.5:1. How could I get it to reduce to 1:1 at 29 MHz?
>
> 73 de GM0OBX billy
>
>
>
>
> ---
> *From: * Billy McFarland <gm0obx@...>;
> *To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
> *Sent: * Fri, Jan 3, 2014 3:41:05 PM
>
> ?
>
> Dave,
>
> The time you add postage to the UK then it's around £56 which I could
> build around 8 for lol.
>
> Billy
> GM0OBX
>
>
> ---
> *From: * Artek Manuals <nr1dx@...>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
> *Sent: * Fri, Jan 3, 2014 3:35:08 PM
>
> ?
>

> Dave / kd6il
>
> I am curious have you ever run a swept frequency response curve on the
> MFJ unit (like the previous poster)? using a 200 ohm resistor and an
> antenna analyzer???
>
> Dave
> NR1DX
>
> On 1/3/2014 9:22 AM, Dave Rickmers wrote:
>> ?
>>
>> This is what I use. It works well. It has two transformers inside.
>>
>> https://www.hamcity.com/store/pc/MFJ-913-p635.htm
>>
>> It's hard to build one any cheaper. No commercial affiliation to
>> anybody! 73 de kd6il
>>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30823. RE: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 16:44:19 UTC
From: Richard Schmuke
Topic: 30817 Message: 30823

The other night I tried to hear you on the air when you were going to check out your antenna but no luck. The net I was trying for last night was the 590 group on Yahoo, I sent the email to the wrong group, but if someone wanted to start a antenna net????????

The other ZZ, Rich Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Keith Heimbold
Sent: Thursday, January 09, 2014 9:34 AM
To: ham-antennas@yahoogroups.com
Cc: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Net

A weekly ham antennas net is not the worse idea ever. I got excited for a minute when i saw the subject heading.

Keith

AK6ZZ

Sent from my iPhone please excuse typos

On Jan 9, 2014, at 7:30 AM, "Richard Schmuke" <rdj@...> wrote:

Duh---- I guess I am loosing it. I sent this to the wrong group. Another
senior moment

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

30824. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 17:06:49 UTC
From: Gerald Bishop
Topic: 30817 Message: 30824

<G> You @ ???De W8KQ
----- Original Message -----
From: "Richard Schmuke" <rdj@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, January 09, 2014 10:30 AM
Subject: RE: [ham-antennas] Net

> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
>
>
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
>
>
> Rich, Kd0zz
>
>
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Gerald Bishop
> Sent: Thursday, January 09, 2014 9:01 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Net
>
>
>
>
>
> Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live
> to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON
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> for a few weeks and locals thought maybe that 40 was taking off sky-ward
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> many not heard. Then tried 3973 -80 mtrs seeing if that work better. So
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> down. Too damn cold to be in the shack if no-one else is out there . We
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>
> ----- Original Message -----
>
> From: Richard Schmuke <mailto:rdj@...>
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Thursday, January 09, 2014 9:37 AM
>
> Subject: [ham-antennas] Net
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> have a good two way with Marc, KJ4UQT, all S9+ between Missouri and
> Florida.
> At least I know my new 40M vertical works to Fl, I may have to rotate the
> mount to get better coverage.
>
>
>
> Rich , Kd0zz
>
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>
> <http://www.avast.com/> Image removed by sender.
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
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> [Non-text portions of this message have been removed]
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>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be

> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

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http://www.avast.com

30825. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 17:07:36 UTC
From: Billy McFarland
Topic: 30741 Message: 30825

Ok I'll give that a go Dave. I just wonder how other companies who make Baluns get the results of 1:1 across all the frequencies... or do they? What core would you suggest for 300w? I thought the FT 140 would be good and a t-200 for 600w max. Would be interesting to see likes of the mfj balun and what core it uses and turns etc.

73 de GMØOBX Billy

On Thursday, 9 January 2014, 16:38, Artek Manuals <nr1dx@...> wrote:

1) try reducing the number of turns (may give poorer performance at the lower frequencies)
2) Different spacing between the two wires (lowers the mutual
capacitance ...may also give poorer results at 1.8MHz)
3) 61 core material may work better at 29MHz but much poorer
7MHZ and below

Dave
NR1DX

On 1/9/2014 9:46 AM, Billy McFarland wrote:

>I've just tested the balun. FT-140-43. With a 200 ohm resistor across it at 1.9mhz it's sitting 1:1 swr but as it goes to 29mhz it's sitting at 1.5:1. How could I get it to reduce to 1:1 at 29 MHz?
>
>73 de GM0OBX billy
>
>
>
>
>
>
>
>_____
> From: Billy McFarland <gm0obx@...>;
>To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
>Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
>Sent: Fri, Jan 3, 2014 3:41:05 PM
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>Â
>Dave,
>
>The time you add postage to
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which I could build around 8
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>Billy
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>
>_____
> From: Artek Manuals <nr1dx@...>;
>To: <ham-antennas@yahoogroups.com>;
>Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
>Sent: Fri, Jan 3, 2014 3:35:08 PM
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>
>Â
>Dave / kd6il
>
>I am curious
have you ever
run a swept
frequency
response curve
on the MFJ unit
(like the
previous
poster)Â using
a 200 ohm
resistor and an
antenna
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>Dave
>NR1DX
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>On 1/3/2014 9:22
AM, Dave
Rickmers wrote:
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>>This is what I use. It works well. It has two transformers inside.
>>
>>https://www.hamcity.com/store/pc/MFJ-913-p635.htm
>>
>>It's hard to
build one any
cheaper. No
commercial
affiliation to
anybody! 73 de
kd6il

>>
>
>
>--
Dave Manuals@... www.ArtekManuals.com
>
>>_____
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>

--
Dave Manuals@... www.ArtekManuals.com

_____

This email is free from viruses and malware because avast! Antivirus protection is active.

30826. RE: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 19:21:57 UTC
From: Richard Schmuke
Topic: 30741 Message: 30826

I build all my own baluns and a few for some club members. I got started when I bought a 4:1 and it was pure junk when I tested it. You can adjust the sweet spot by adjusting the number of turns. If I am working standard bands I set the sweet spot at about 10MHz , you might go a little higher if you work more 10M than 80M. Keep a eye out for yellow torrid if you work 10 and 6, red for the lower bands.

Here is a picture of one I was working on,

http://s1102.photobucket.com/user/KD0ZZ/media/Balunjpeg_zps41dd0ff6.jpg.html

I also made a 4:1x1:1 switchable for my ladder line antenna

http://s1102.photobucket.com/user/KD0ZZ/media/4to11to12.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland
Sent: Thursday, January 09, 2014 9:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

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73 de GM0OBX billy

From: Billy McFarland <gm0obx@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
Sent: Fri, Jan 3, 2014 3:41:05 PM

Dave,

The time you add postage to the UK then it's around £56 which I could build around 8 for lol.

Billy
GM0OBX

From: Artek Manuals <nr1dx@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
Sent: Fri, Jan 3, 2014 3:35:08 PM

Dave / kd6il

I am curious have you ever run a swept frequency response curve on the MFJ unit (like the previous poster) using a 200 ohm resistor and an antenna analyzer???

Dave
NR1DX

On 1/3/2014 9:22 AM, Dave Rickmers wrote:

This is what I use. It works well. It has two transformers inside.

https://www.hamcity.com/store/pc/MFJ-913-p635.htm

It's hard to build one any cheaper. No commercial affiliation to anybody! 73 de kd6il

--
Dave
Manuals@...
www.ArtekManuals.com

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<http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

30827. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 20:05:32 UTC
From: Billy McFarland
Topic: 30741 Message: 30827

Hi Rich

Thanks for the reply. I see alot of people use two 1:1 Baluns together for their own 4:1 Balun. That's an option that I'll probably go down as currently I'm only using one toroid core.

73 de GMØOBX Billy

On Thursday, 9 January 2014, 19:21, Richard Schmuke <rdj@...> wrote:

I build all my own baluns and a few for some club members. I got started when I bought a 4:1 and it was pure junk when I tested it. You can adjust the sweet spot by adjusting the number of turns. If I am working standard bands I set the sweet spot at about 10MHz , you might go a little higher if you work more 10M than 80M. Keep a eye out for yellow torrid if you work 10 and 6, red for the lower bands.

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Rich, Kd0zz

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Sent: Thursday, January 09, 2014 9:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

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73 de GM0OBX billy

From: Billy McFarland <gm0obx@....uk>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
Sent: Fri, Jan 3, 2014 3:41:05 PM

Dave,

The time you add postage to the UK then it's around £56 which I could build around 8 for lol.

Billy
GM0OBX

From: Artek Manuals <nr1dx@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed
Sent: Fri, Jan 3, 2014 3:35:08 PM

Dave / kd6il

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Dave
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www.ArtekManuals.com

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[Non-text portions of this message have been removed]

30828. mfj 2286

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 20:30:00 UTC
From: bartenderjim
Topic: 30828 Message: 30828

Hi all,
I recently received an MFJ 2286 (http://www.mfjenterprises.com/Product.php?productid=MFJ-2286) for Christmas. Nice antenna it seems from all the reviews I have read on different sites. I plan to use it as a permanent setup at my home QTH along with my G5RV,jr. that is setup in inverted V with center approximately 20' and ends about 8'. I have it ground mounted with 2 radials setup east and west and I cannot put any north and south due to space restrictions.

Couple of questions for anyone in the group that has used one of these:
1) If I am going to use only 20-6 do I need to use the coil? With the supplied radials or not?
2) I have a brother that is using the Hy-GAIN 19AVS (I think that is the model he said) he leaves clipped to 20M coil and uses his tuner for all from 40M down. Would this antenna also act the same. There were not a lot of instructions or information about this particular antenna.
Any thoughts or any information would be appreciated.
JamesM
KJ6FXA

30829. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 21:46:54 UTC
From: kd8bbk@...
Topic: 30817 Message: 30829

wow antenna net, that would be very interesting. CW or ssb or both. Hmmmmmm
Tony

In a message dated 1/9/2014 12:06:58 P.M. Eastern Standard Time,
gsbishop@... writes:

<G> You @ ???De W8KQ
----- Original Message -----
From: "Richard Schmuke" <rdj@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, January 09, 2014 10:30 AM
Subject: RE: [ham-antennas] Net

> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
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>
> The above post can be fictional, hypothetical, or downright nonsensical.
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> Rich, Kd0zz
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Gerald Bishop
> Sent: Thursday, January 09, 2014 9:01 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Net
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> for a few weeks and locals thought maybe that 40 was taking off sky-ward

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> ----- Original Message -----
>
> From: Richard Schmuke <mailto:rdj@...t>
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> To: ham-antennas@yahoogroups.com
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> Sent: Thursday, January 09, 2014 9:37 AM
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> Subject: [ham-antennas] Net
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> Rich , Kd0zz
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
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30830. RE: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 21:55:00 UTC
From: Richard Schmuke
Topic: 30741 Message: 30830

Billy

You can see from this picture and others in my album that I have tried more than one type.

http://s1102.photobucket.com/user/KD0ZZ/media/BalunParts.jpg.html

The first was a 4:1 voltage on a single core, then two current 1:1's on a single core made into a 4:1, the next better step, then 2 cores and I got better SWR spread on the duel rod 1:1 into a 4:1. I don't have a lot of test equipment but just using a MFJ 259B and carbon resistors. I have no information on the rods, 10MMx180MM rods are Russian military I bought from a Lithuanian ham on E-Bay, and some 1/2dia rods from K5EST , hamfest stuff. I enjoy stuff and making things.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland
Sent: Thursday, January 09, 2014 2:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Hi Rich

Thanks for the reply. I see alot of people use two 1:1 Baluns together for their own 4:1 Balun. That's an option that I'll probably go down as currently I'm only using one toroid core.

73 de GMØOBX Billy

On Thursday, 9 January 2014, 19:21, Richard Schmuke <rdj@...> wrote:

I build all my own baluns and a few for some club members. I got started when I bought a 4:1 and it was pure junk when I tested it. You can adjust the sweet spot by adjusting the number of turns. If I am working standard bands I set the sweet spot at about 10MHz , you might go a little higher if you work more 10M than 80M. Keep a eye out for yellow torrid if you work 10 and 6, red for the lower bands.

Here is a picture of one I was working on,

http://s1102.photobucket.com/user/KD0ZZ/media/Balunjpeg_zps41dd0ff6.jpg.html

I also made a 4:1x1:1 switchable for my ladder line antenna

http://s1102.photobucket.com/user/KD0ZZ/media/4to11to12.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland

Sent: Thursday, January 09, 2014 9:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

I've just tested the balun. FT-140-43. With a 200 ohm resistor across it at 1.9mhz it's sitting 1:1 swr but as it goes to 29mhz it's sitting at 1.5:1. How could I get it to reduce to 1:1 at 29 MHz?

73 de GM0OBX billy

Switch to: <mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <http://info.yahoo.com/legal/us/yahoo/utos/terms/> Terms of Use • <mailto:ygroupsnotifications@yahoogroups.com?subject=Feedback%20on%20the%20redesigned%20individual%20mail%20v1> Send us Feedback

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30831. Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 22:17:19 UTC
From: Billy McFarland
Topic: 30741 Message: 30831

I love making things too. That really is a must for ham radio. Build antennas not buy antennas. I suppose i'll just need to experiment with different cores and wires for windings see which is best for a low swr reading across the bands.

73 de GMØOBX Billy

On Thursday, 9 January 2014, 21:55, Richard Schmuke <rdj@...> wrote:

Billy

You can see from this picture and others in my album that I have tried more than one type.

http://s1102.photobucket.com/user/KD0ZZ/media/BalunParts.jpg.html

The first was a 4:1 voltage on a single core, then two current 1:1's on a single core made into a 4:1, the next better step, then 2 cores and I got better SWR spread on the duel rod 1:1 into a 4:1. I don't have a lot of test equipment but just using a MFJ 259B and carbon resistors. I have no information on the rods, 10MMx180MM rods are Russian military I bought from a Lithuanian ham on E-Bay, and some 1/2dia rods from K5EST , hamfest stuff. I enjoy stuff and making things.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland
Sent: Thursday, January 09, 2014 2:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

Hi Rich

Thanks for the reply. I see alot of people use two 1:1 Baluns together for their own 4:1 Balun. That's an option that I'll probably go down as currently I'm only using one toroid core.

73 de GMØOBX Billy

On Thursday, 9 January 2014, 19:21, Richard Schmuke <rdj@...> wrote:

I build all my own baluns and a few for some club members. I got started when I bought a 4:1 and it was pure junk when I tested it. You can adjust the sweet spot by adjusting the number of turns. If I am working standard bands I set the sweet spot at about 10MHz , you might go a little higher if you work more 10M than 80M. Keep a eye out for yellow torrid if you work 10 and 6, red for the lower bands.

Here is a picture of one I was working on,

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I also made a 4:1x1:1 switchable for my ladder line antenna

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Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland
Sent: Thursday, January 09, 2014 9:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: FW: WTF! 4:1 balun test help needed

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73 de GM0OBX billy

Switch to: <mailto:ham-antennas-traditional@yahoogroups.com?subject=Change%20Delivery%20Format:%20Traditional> Text-Only, <mailto:ham-antennas-digest@yahoogroups.com?subject=Email%20Delivery:%20Digest> Daily Digest • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <http://info.yahoo.com/legal/us/yahoo/utos/terms/> Terms of Use • <mailto:ygroupsnotifications@yahoogroups.com?subject=Feedback%20on%20the%20redesigned%20individual%20mail%20v1> Send us Feedback

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[Non-text portions of this message have been removed]

30832. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 22:51:49 UTC
From: Gerald Bishop
Topic: 30817 Message: 30832

SSB !!
----- Original Message -----
From: kd8bbk@...
To: ham-antennas@yahoogroups.com
Sent: Thursday, January 09, 2014 4:46 PM
Subject: Re: [ham-antennas] Net

wow antenna net, that would be very interesting. CW or ssb or both. Hmmmmmm
Tony

In a message dated 1/9/2014 12:06:58 P.M. Eastern Standard Time, gsbishop@... writes:

<G> You @ ???De W8KQ
----- Original Message -----
From: "Richard Schmuke" <rdj@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, January 09, 2014 10:30 AM
Subject: RE: [ham-antennas] Net

> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
>
>
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
>
>
> Rich, Kd0zz
>
>
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>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Gerald Bishop
> Sent: Thursday, January 09, 2014 9:01 AM
> To: ham-antennas@...m
> Subject: Re: [ham-antennas] Net
>
>
>
>

>
> Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live
> to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON
> 7236
> for a few weeks and locals thought maybe that 40 was taking off sky-ward
> and
> many not heard. Then tried 3973 -80 mtrs seeing if that work better. So
> ,Have been calling both,and if no-one happens to check in,..then I shut it
> down. Too damn cold to be in the shack if no-one else is out there .. We
> are
> out of Alpena,.Michigan - De W8KQ -jERRY.
>
> ----- Original Message -----
>
> From: Richard Schmuke <mailto:rdj@...>
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Thursday, January 09, 2014 9:37 AM
>
> Subject: [ham-antennas] Net
>
>
>
> I was on the net frequency last night and never heard net control but did
> have a good two way with Marc, KJ4UQT, all S9+ between Missouri and
> Florida.
> At least I know my new 40M vertical works to Fl, I may have to rotate the
> mount to get better coverage.
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>
> Rich , Kd0zz
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> <http://www.avast.com/> Image removed by sender.
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> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
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> [Non-text portions of this message have been removed]
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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http://www.avast.com

30833. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 22:58:28 UTC
From: Kenneth G. Gordon
Topic: 30817 Message: 30833

On 9 Jan 2014 at 17:51, Gerald Bishop wrote:

> SSB !!

CW !!!!!!!

Ken W7EKB

30834. RE: mfj 2286

Yahoo group: ham-antennas (2014)
Date: 2014-01-09 23:41:23 UTC
From: <farrerfolks@...>
Topic: 30828 Message: 30834

Hello James,

Are you going to be using a tuner with the 2286? Without the coil the lowest frequency for 17 feet is 14.47 MHz. I think that the operation of the antenna will be a little compromises on 20 Meters as the manual says you need 5/8" of L1 to get to the CW portion of 20 M. If you are going to use a inline ATU, then it will probably allow the 20 M coverage without the coil.

Mel, K6KBE

30835. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 01:06:18 UTC
From: kd8bbk@...
Topic: 30817 Message: 30835

CW forever

In a message dated 1/9/2014 5:58:24 P.M. Eastern Standard Time,
kgordon2006@... writes:

On 9 Jan 2014 at 17:51, Gerald Bishop wrote:

> SSB !!

CW !!!!!!!

Ken W7EKB

30836. Re: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 01:29:00 UTC
From: Keith Heimbold
Topic: 30817 Message: 30836

Maybe two nets then.

Sent from my iPhone please excuse typos

> On Jan 9, 2014, at 5:06 PM, kd8bbk@aol.com wrote:
>
>
> CW forever
>
> In a message dated 1/9/2014 5:58:24 P.M. Eastern Standard Time, kgordon2006@frontier.com writes:
>
> On 9 Jan 2014 at 17:51, Gerald Bishop wrote:
>
> > SSB !!
>
> CW !!!!!!!
>
> Ken W7EKB
>
>

30837. Re: Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 02:22:47 UTC
From: bartenderjim
Topic: 30817 Message: 30837

Rich,
I think a ham antennas group net would be a good thing. SSB would be best for me maybe 2 nets one CW and one SSB...and maybe even one digital..that way we could try out all our skills and antenna designs on all modes.
Just a thought.
JamesM.
KJ6FXA

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
>
> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
>
>
>
> The above post can be fictional, hypothetical, or downright nonsensical.
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>
> Rich, Kd0zz
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Gerald Bishop
> Sent: Thursday, January 09, 2014 9:01 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Net
>
>
>
>
>
>
> Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live
> to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON 7236
> for a few weeks and locals thought maybe that 40 was taking off sky-ward and
> many not heard. Then tried 3973 -80 mtrs seeing if that work better. So
> ,Have been calling both,and if no-one happens to check in,..then I shut it
> down. Too damn cold to be in the shack if no-one else is out there . We are
> out of Alpena,.Michigan - De W8KQ -jERRY.
>

> ----- Original Message -----
>
> From: Richard Schmuke <mailto:rdj@...>
>
> To: ham-antennas@yahoogroups.com
>
> Sent: Thursday, January 09, 2014 9:37 AM
>
> Subject: [ham-antennas] Net
>
>
>
> I was on the net frequency last night and never heard net control but did
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> At least I know my new 40M vertical works to Fl, I may have to rotate the
> mount to get better coverage.
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> Rich , Kd0zz
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> [Non-text portions of this message have been removed]
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30838. Re: mfj 2286

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 02:26:09 UTC
From: bartenderjim
Topic: 30828 Message: 30838

Hi Mel,
Thanks for the response...guess my gray matter wasn't working right...meant to add my setup is a Yaesu 897D with the LDG 897 Plus tuner. Thanks for waking me up..LOL.I will mainly be doing either voice or digital
JamesM.
KJ6FXA

--- In ham-antennas@yahoogroups.com, <farrerfolks@...> wrote:
>
> Hello James,
>
> Are you going to be using a tuner with the 2286? Without the coil the lowest frequency for 17 feet is 14.47 MHz. I think that the operation of the antenna will be a little compromises on 20 Meters as the manual says you need 5/8" of L1 to get to the CW portion of 20 M. If you are going to use a inline ATU, then it will probably allow the 20 M coverage without the coil.
>
>
>
> Mel, K6KBE
>

30839. Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 02:58:26 UTC
From: <kl7rs@...>
Topic: 30839 Message: 30839

Does anyone know if an antenna hidden in a tree can actually catch the tree on fire?

What precautions if any can eliminate or reduce the chance of this happening. I'm curious because a lot of people are living in HOAs these days and are forced to put up stealth antennas and I can only assume most of these stealth antennas are going up in trees.

30840. RE: [ham-antennas] Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 03:22:26 UTC
From: Richard Schmuke
Topic: 30817 Message: 30840

Don't worry , when you get my age you can set down a tool and then lose it but if you wait a few minutes you will forget what you lost and start all over again.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

Subject: Re: [ham-antennas] Net

<G> You @ ???De W8KQ
----- Original Message -----
From: "Richard Schmuke" <rdj@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, January 09, 2014 10:30 AM
Subject: RE: [ham-antennas] Net

> Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> senior moment
>

<http://groups.yahoo.com/;_ylc=X3oDMTJlM25jNWZ2BF9TAzk3MzU5NzE0BGdycElkAzEyM
zA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM4OTI4NzIxN
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st> Daily Digest .
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Unsubscribe . <http://info.yahoo.com/legal/us/yahoo/utos/terms/> Terms of
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edesigned%20individual%20mail%20v1> Send us Feedback

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[Non-text portions of this message have been removed]

30841. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 04:16:33 UTC
From: Frank Kirschner
Topic: 30839 Message: 30841

Yes, if you're running high power and the antenna isn't adequately insulated from the tree, and conditions for a fire are present (dryness, etc.), it could happen. I seem to remember reading at least one account of a tree (maybe it was a fence post) that caught fire as a result of proximity to a ham antenna.

If the antenna is on stand-off insulators, even an inch away from the tree, and the antenna itself is insulated (as opposed to bare wire), that would greatly reduce the danger.

73,
Frank
KF6E

On Thu, Jan 9, 2014 at 9:58 PM, <kl7rs@...> wrote:

>
>
> Does anyone know if an antenna hidden in a tree can actually catch the
> tree on fire?
>
> What precautions if any can eliminate or reduce the chance of this
> happening. I'm curious because a lot of people are living in HOAs these
> days and are forced to put up stealth antennas and I can only assume most
> of these stealth antennas are going up in trees.
> __.
>

30842. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 05:08:36 UTC
From: Artek Manuals
Topic: 30839 Message: 30842

The short answer is yes under the right conditions you can start a fire. The higher the power the greater the risk.
I had a an elevated ground plane mounted on a wooden fence. One evening on 80M, CW, running a KW I set the fence on fire. The insulated radial wires were simply stapled to the fence and at one point a couple of radials crossed over each other which was the apparent point of insulation breakdown and ignition. Fortunately (?) the window in the shack over looked the back yard and the fire immediately caught my attention.

That being said a modest amount of care to make sure that the wires are a couple of inches from actually touching anything even with the wind blowing, tree swaying etc and you will be just fine.

Dave
NR1DX

On 1/9/2014 8:58 PM, kl7rs@... wrote:
>
> Does anyone know if an antenna hidden in a tree can actually catch the
> tree on fire?
>
> What precautions if any can eliminate or reduce the chance of this
> happening. I'm curious because a lot of people are living in HOAs
> these days and are forced to put up stealth antennas and I can only
> assume most of these stealth antennas are going up in trees.
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30843. coax

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 07:04:40 UTC
From: <rs1946@...>
Topic: 30843 Message: 30843

I am going to erect a home made antenna in a few weeks my question is I don't know the final height of the antenna. I will be laying the coax on the ground till I am able to bury it. Should I zigzag the coax on the ground or coil it at the base of the antenna or coil it ay the radio. Till I know how high the antenna will be. Thinking full wave 10 meter dipole of 1/4 wave 40 meter dipole. thanks Bob

30844. RE: Folded monopole for portable use

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 10:04:27 UTC
From: <mastro_bn@...>
Topic: 30816 Message: 30844

Hi Mel,

a good starting point may be G5IJ antenna, which seems to me a multiband fodlded monopole. You may read
http://www.gairney.plus.com/Radio/G5IJ%20aerial.pdf
http://www.gairney.plus.com/Radio/G5IJ%20aerial.pdf

another known example of vertical multiband folded monopoles may be the RXO Unitenna, read
http://www.standardtrees.co.uk/RXO-Unitenna.pdf
http://www.standardtrees.co.uk/RXO-Unitenna.pdf

Both G5IJ and RXO refers to a non resonant antenna, but may give you some ideas.

another nice source of ideas may be the paper of three Japanese professors titled "Double-folded Monopole Antenna with Coaxial Cable" google this title to retrieve it. It's a very interesting analysis of building RESONANT folded monopoles using coax cable to reduce size and I suggest to read it.

73 de Mike IZ8JJI

30845. Re: coax

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 12:45:43 UTC
From: ride, Forrest, ride
Topic: 30843 Message: 30845

What is the impedance of the antenna at the feed point, since you've mentioned what size and bands you will use?

Are you using some type of impedance matching or tuner at the base of the antenna?

If you are using a tuner with a balanced output, there is an old trick where you can run two coaxes, which sort of makes a balanced feed, or think of it as a shielded ladder line. This is exactly what I did for a 100' run to an extended double zepp antenna and it worked like a charm. At the antenna the coax center conductors feed your antenna, and the shields are tied together but to nothing else. At your tuner in the shack the centers go to the balanced outputs, and the shields both tied to the case of the tuner. Using this balanced feed method will work much better than trying to use one coax to feed an antenna that isn't the same impedance as the feed line; you'll have problems with the coax radiating and unexpected results.

73, Allan

--- In ham-antennas@yahoogroups.com, <rs1946@...> wrote:
>
>
> I am going to erect a home made antenna in a few weeks my question is I don't know the final height of the antenna. I will be laying the coax on the ground till I am able to bury it. Should I zigzag the coax on the ground or coil it at the base of the antenna or coil it ay the radio. Till I know how high the antenna will be. Thinking full wave 10 meter dipole of 1/4 wave 40 meter dipole. thanks Bob
>

30846. Re: Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 13:12:58 UTC
From: radiomanL
Topic: 30817 Message: 30846

A M

kd5pnt

30847. Re: coax

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 13:27:38 UTC
From: dj_philonline
Topic: 30843 Message: 30847

I like your thinking Allan, not so long ago I was messing around with some old wire antenna designs ready for a quick deploy when we move qth hopefully very soon, I came across some old plans showing exactly what you describe and I can confirm it does work very well with twin feed 75ohm coax, infact it worked better than my 40m inverted V both rx and tx, its now coiled up in a bag ready for the install at the new qth when we finally get moved, here is a link to what I built (I used the old pdf pages shown not the newer version)
http://www.southslope.net/~kb0sk/antenna.html
and being short of funds used this to bring the dual feed back down to a short single 50 ohm coax feed into the shack (not the best I know)
http://rogertango.com/articleread.aspx?idnumber=34232411

An easy build with decent results well worth a try for anybody looking for a multibander a bit shorter than what is normally required.
Phil M6MRP

--- In ham-antennas@yahoogroups.com, "ride, Forrest, ride" <ridingscotsman@...> wrote:
>
> What is the impedance of the antenna at the feed point, since you've mentioned what size and bands you will use?
>
> Are you using some type of impedance matching or tuner at the base of the antenna?
>
> If you are using a tuner with a balanced output, there is an old trick where you can run two coaxes, which sort of makes a balanced feed, or think of it as a shielded ladder line. This is exactly what I did for a 100' run to an extended double zepp antenna and it worked like a charm. At the antenna the coax center conductors feed your antenna, and the shields are tied together but to nothing else. At your tuner in the shack the centers go to the balanced outputs, and the shields both tied to the case of the tuner. Using this balanced feed method will work much better than trying to use one coax to feed an antenna that isn't the same impedance as the feed line; you'll have problems with the coax radiating and unexpected results.
>
> 73, Allan
>
> --- In ham-antennas@yahoogroups.com, <rs1946@> wrote:
> >
> >
> > I am going to erect a home made antenna in a few weeks my question is I don't know the final height of the antenna. I will be laying the coax on the ground till I am able to bury it. Should I zigzag the coax on the ground or coil it at the base of the antenna or coil it ay the radio. Till I know how high the antenna will be. Thinking full wave 10 meter dipole of 1/4 wave 40 meter dipole. thanks Bob
> >
>

30848. Re: FW: WTF! 4:1 balun test help needed

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 13:46:30 UTC
From: dj_philonline
Topic: 30741 Message: 30848

Hi Billy, I had the same problem with a 4:1 that I purchased (never again) so I built this as a temp solution:- http://rogertango.com/articleread.aspx?idnumber=34232411 Works great from 10m to 20m ok on 40m not much good after that but is cheap and easy to make, they get some stick on forums as being no good but it works for me cost nothing and is better than the rubbish in a little black box I was sold, I use it on one of these:- http://www.southslope.net/~kb0sk/antenna.html Which is fed with aprox 25ft of twinsat 100 75 ohm coax then with the balun is reduced to a short single feed of mini 8 50 ohm into the shack, works very well for me. Phil M6MRP --- In ham-antennas@yahoogroups.com, Billy McFarland wrote: > > I've just tested the balun. FT-140-43. With a 200 ohm resistor across it at 1.9mhz it's sitting 1:1 swr but as it goes to 29mhz it's sitting at 1.5:1. How could I get it to reduce to 1:1 at 29 MHz?

73 de GM0OBX billy

>

30849. Re: [ham-antennas] Re: Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 14:00:52 UTC
From: Keith Heimbold
Topic: 30817 Message: 30849

Rich,

I think we could do a net that is flexible and moves from one band to another every week. Might be a bit laborious at first but then people get to try out their antennas and experiment a bit. There are some real experts here that can offer advice and answer questions on the net. Plus it would be fun. Right now my interests are focused on 80m and trying to get this darn K9AY receive antenna working with no luck so far. Need to check the 9:1 W0BTU transformer might be bad.

Keith

Sent from my iPhone please excuse typos

> On Jan 9, 2014, at 6:22 PM, "bartenderjim" <bartenderjim2002@yahoo.com> wrote:
>
> Rich,
> I think a ham antennas group net would be a good thing. SSB would be best for me maybe 2 nets one CW and one SSB...and maybe even one digital..that way we could try out all our skills and antenna designs on all modes.
> Just a thought.
> JamesM.
> KJ6FXA
>
> --- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...> wrote:
> >
> > Duh---- I guess I am loosing it. I sent this to the wrong group. Another
> > senior moment
> >
> >
> >
> > The above post can be fictional, hypothetical, or downright nonsensical.
> >
> >
> >
> > Rich, Kd0zz
> >
> >
> >
> >
> >
> >
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> > Behalf Of Gerald Bishop
> > Sent: Thursday, January 09, 2014 9:01 AM
> > To: ham-antennas@yahoogroups.com

> > Subject: Re: [ham-antennas] Net
> >
> >
> >
> >
> >
> > Hi-Not sure if this directed to me ,or not. We,TBARC are trying to re-live
> > to old dayD <G> used to have a net on Sunday 2 pm- We have tried it ON 7236
> > for a few weeks and locals thought maybe that 40 was taking off sky-ward and
> > many not heard. Then tried 3973 -80 mtrs seeing if that work better. So
> > ,Have been calling both,and if no-one happens to check in,..then I shut it
> > down. Too damn cold to be in the shack if no-one else is out there . We are
> > out of Alpena,.Michigan - De W8KQ -jERRY.
> >
> > ----- Original Message -----
> >
> > From: Richard Schmuke <mailto:rdj@...>
> >
> > To: ham-antennas@yahoogroups.com
> >
> > Sent: Thursday, January 09, 2014 9:37 AM
> >
> > Subject: [ham-antennas] Net
> >
> >
> >
> > I was on the net frequency last night and never heard net control but did
> > have a good two way with Marc, KJ4UQT, all S9+ between Missouri and Florida.
> > At least I know my new 40M vertical works to Fl, I may have to rotate the
> > mount to get better coverage.
> >
> >
> >
> > Rich , Kd0zz
> >
> >
> >
> >
> >
> > _____
> >
> >
> > <http://www.avast.com/> Image removed by sender.
> >
> > This email is free from viruses and malware because avast! Antivirus
> > <http://www.avast.com/> protection is active.
> >
> >
> >
> >

> >
> >
> >
> > [Non-text portions of this message have been removed]
> >
>
>

30850. RE:Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 14:40:45 UTC
From: dj_philonline
Topic: 30817 Message: 30850

How about a ham-antennas conference on Echolink? for those of us who wish to participate/discus but do not have the power advantage to get in on the action but could give interesting reports in realtime, we may be qrp but our ears are valuable tools.
A digital net sounds interesting to me and once we have moved qth, settled in and the shack/antennas are deployed I would participate, my next build is going to be a 40m-80m low power internal frame antenna and some on air reports would be nice, anybody built and tried one?
Phil M6MRP

30851. Re: [ham-antennas] Re: Net

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 15:18:33 UTC
From: Joe - W7RKN
Topic: 30817 Message: 30851

I'm thinking slow-scan TV would be the answer.....that way we can see who we are talking to!
----- Original Message -----
From: Keith Heimbold
Sent: Friday, January 10, 2014 6:00 AM
Subject: Re: [ham-antennas] Re: Net

Rich,

I think we could do a net that is flexible and moves from one band to another every week. Might be a bit laborious at first but then people get to try out their antennas and experiment a bit. There are some real experts here that can offer advice and answer questions on the net. Plus it would be fun. Right now my interests are focused on 80m and trying to get this darn K9AY receive antenna working with no luck so far. Need to check the 9:1 W0BTU transformer might be bad.

30852. Re: [ham-antennas] RE: Folded monopole for portable use

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 15:55:45 UTC
From: Mel Farrer
Topic: 30816 Message: 30852

Thanks Mike. Will them a read.

Mel, K6KBE

On Friday, January 10, 2014 2:04 AM, "mastro_bn@..." <mastro_bn@...> wrote:

Hi Mel,

a good starting point may be G5IJ antenna, which seems to me a multiband fodlded monopole. You may read
http://www.gairney.plus.com/Radio/G5IJ%20aerial.pdf

another known example of vertical multiband folded monopoles may be the RXO Unitenna, read http://www.standardtrees.co.uk/RXO-Unitenna.pdf

Both G5IJ and RXO refers to a non resonant antenna, but may give you some ideas.

another nice source of ideas may be the paper of three Japanese professors titled "Double-folded Monopole Antenna with Coaxial Cable" google this title to retrieve it. It's a very interesting analysis of building RESONANT folded monopoles using coax cable to reduce size and I suggest to read it.

73 de Mike IZ8JJI

30853. Spiral-wound desk-top loop antenna for my Hammarlund radio

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 18:41:06 UTC
From: <kd0tli@...>
Topic: 30853 Message: 30853

KD0TLI here,

I'd like to ask if anyone has ever tried a zig-zag pattern for a desktop loop antenn rather than the typical circular spiral type. An example of the circular spiral type I'm talking about is here: http://makearadio.com/loops/index.php http://makearadio.com/loops/index.php Rather than winding in a circular spiral pattern, could a zig-zag pattern also work ? http://www.qrz.com/db/KD0TLI http://www.qrz.com/db/KD0TLI

Just curious.
Thanks.

30854. Re: [ham-antennas] Spiral-wound desk-top loop antenna for my Hammarlund radio

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 21:25:33 UTC
From: Artek Manuals
Topic: 30853 Message: 30854

I am having trouble visualizing what a zig-zag pattern is in this
context? Can you expand or show a picture as an example?

DAve
NR1DX

On 1/10/2014 12:41 PM, kd0tli@... wrote:
>
> KD0TLI here,
>
> I'd like to ask if anyone has ever tried a zig-zag pattern for a
> desktop loop antenn rather than the typical circular spiral type. An
> example of the circular spiral type I'm talking about is here:
> http://makearadio.com/loops/index.php
>
> Rather than winding in a circular spiral pattern, could a zig-zag
> pattern also work ?
>
> http://www.qrz.com/db/KD0TLI
>
> Just curious.
>
> Thanks.
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30855. Re: [ham-antennas] Spiral-wound desk-top loop antenna for my Hammarlund radio

Yahoo group: ham-antennas (2014)
Date: 2014-01-10 23:49:22 UTC
From: Richard Solomon
Topic: 30853 Message: 30855

If it's the same as shown in the link, it looks like some antenna off a
1922 Whirlygigwhizbang Radio !!

Think of a loop with flat sides, diamond shape.

73, Dick, W1KSZ

On Fri, Jan 10, 2014 at 2:25 PM, Artek Manuals <nr1dx@...> wrote:

>
>
> I am having trouble visualizing what a zig-zag pattern is in this context?
> Can you expand or show a picture as an example?
>
> DAve
> NR1DX
>
>
> On 1/10/2014 12:41 PM, kd0tli@... wrote:
>
>
>
> KD0TLI here,
>
>
>
> I'd like to ask if anyone has ever tried a zig-zag pattern for a desktop
> loop antenn rather than the typical circular spiral type. An example of
> the circular spiral type I'm talking about is here:
> http://makearadio.com/loops/index.php
>
> Rather than winding in a circular spiral pattern, could a zig-zag pattern
> also work ?
>
> http://www.qrz.com/db/KD0TLI
>
>
>
> Just curious.
>
> Thanks.
>
>
>
> --

> DaveManuals@ArtekManuals.comwww.ArtekManuals.com
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

30856. Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 20:42:01 UTC
From: dale cole
Topic: 30856 Message: 30856

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS
dchamguy@...

30857. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 21:24:45 UTC
From: Paul V Birke PEng
Topic: 30856 Message: 30857

use odd multiples of wavelength/2

avoid any lengths that end up in multiples of wavelength/4

best wishes
Paul

On Saturday, January 11, 2014 3:44:50 PM, dale cole <dchamguy@...> wrote:

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS
dchamguy@...

30858. Plastic Box for Ameritron RCS8V Remote Antenna Switch

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 21:33:06 UTC
From: <worahm@...>
Topic: 30858 Message: 30858

Has anyone used a commercially available plastic box with a door to house the RCS8V antenna switch?
Bill KB2GF

30859. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 22:05:00 UTC
From: Harold
Topic: 30856 Message: 30859

Paul,
all multiples of 1/2 wave are multiples of 1/4 wave.
Please explain further.
I was told to make it in odd multiples of 1/4 wave.
Now I am confused.

Hal AA2ID

-----Original Message-----
From: Paul V Birke PEng <nonlinear@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Jan 11, 2014 1:24 pm
Subject: Re: [ham-antennas] Coax Feed

use odd multiples of wavelength/2

avoid any lengths that end up in multiples of wavelength/4

best wishes
Paul

On Saturday, January 11, 2014 3:44:50 PM, dale cole <dchamguy@...> wrote:

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS
dchamguy@...

30860. Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 22:25:08 UTC
From: Dean
Topic: 30860 Message: 30860

I don't know if this is right group for this or not, but maybe someone can steer me in the right direction. My Radio is the Yaesu FT-857D and works fine except that I have a massive noise problem on certain bands. I have found the big bad bear to be my 20KW inverter, made where else but in China. No filters, but it works fine! Yes, it is 20 kilowatts. IT converts 240VDC to 230VAC 50 Hz. I have about 10,000 watts of solar panels and we are not connected to the grid at all. The inverter is a big floor standing thing. This inverter makes a continuous hammering noise on certain bands that sounds like a monster woodpecker with a 2-cycle engine incorporated into his beak and it's working at a very fast speed of about 4 to 8 pecks per second,and his engine doesn't have a muffler. Not trying to be funny but that's really what it sounds like in my radio. The inverter is located about 120 feet from my house and radio shack and is inside a 40 foot container. I tested it by turning off the inverter....the radio is powered by a 200 amp deep cycle battery, and the radio was very quiet on all bands, I was amazed! So I hope someone hassome knowledge about these things that can give me some instructions or ideas. Thanks!

73, Dean
CA1JDM - originally from Alabama.

30861. RE: Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 23:08:12 UTC
From: <farrerfolks@...>
Topic: 30860 Message: 30861

Hi Dean,

Quite a problem. Question, do you have a scope or a spectrum analyzer? It would be interesting if the repetition rate can be seen on the 240 DC side. It sounds more like a PWM regulator than the 50 Hz side. Can you put a serious load on the inverter to see what changes? Like a deep well pump, etc. If the rate changes then it is a PWM issue and will be much harder to address. With a spectrum analyzer you could find where the primary frequency of the RFI is and maybe address that. Careful working with 230 VAC. Good luck. Some thoughts.

Mel, K6KBE

30862. Re: [ham-antennas] RE: Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 23:15:21 UTC
From: Joe
Topic: 30860 Message: 30862
Attachments: 1 described; binary payloads are missing from this source WARC

since it is a semi spot source. maybe one of thos noise phase cancelling
boxes like from MFJ and others would be the thing?

Joe wb9sbd
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/11/2014 5:08 PM, farrerfolks@... wrote:
>
>
> Hi Dean,
>
> Quite a problem. Question, do you have a scope or a spectrum
> analyzer? It would be interesting if the repetition rate can be seen
> on the 240 DC side. It sounds more like a PWM regulator than the 50
> Hz side. Can you put a serious load on the inverter to see what
> changes? Like a deep well pump, etc. If the rate changes then it is
> a PWM issue and will be much harder to address. With a spectrum
> analyzer you could find where the primary frequency of the RFI is and
> maybe address that. Careful working with 230 VAC. Good luck. Some
> thoughts.
>
> Mel, K6KBE
>
>

30863. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 23:19:50 UTC
From: Paul V Birke PEng
Topic: 30856 Message: 30863

Dear Hal

this is the info I have:

For longer coax and/or a different velocity factor,
the equation is:

L* = 150*(1+2*n)*VF/fo (m) n=0,1,2,3…..
   Note: Never employ a coupling coax
length near or less than l/4 !

hope this helps

Paul

BTW: the source for this is RF Laboratory practice

On Saturday, January 11, 2014 5:05:03 PM, Harold <aa2id@...> wrote:

Paul,
all multiples of 1/2 wave are multiples of 1/4 wave.
Please explain further.
I was told to make it in odd multiples of 1/4 wave.
Now I am confused.

Hal AA2ID

-----Original Message-----
From: Paul V Birke PEng <nonlinear@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Jan 11, 2014 1:24 pm
Subject: Re: [ham-antennas] Coax Feed

use odd multiples of wavelength/2

avoid any lengths that end up in multiples of wavelength/4

best wishes
Paul

On Saturday, January 11, 2014 3:44:50 PM, dale cole <dchamguy@...> wrote:

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS

dchamguy@...

30864. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-11 23:59:01 UTC
From: Kenneth G. Gordon
Topic: 30860 Message: 30864

On 11 Jan 2014 at 19:25, Dean wrote:

> I don't know if this is right group for this or not, but maybe someone
> can steer me in the right direction.

I think some of us can probably give you some worthwhile advice. After all, antennas are what picks up the noise.

> My Radio is the Yaesu FT-857D and
> works fine except that I have a massive noise problem on certain
> bands. I have found the big bad bear to be my 20KW inverter, made
> where else but in China. No filters, but it works fine!

Hmmm....that statement seems to be an oxymoron to me..."No filters, but works fine." IMHO, if there are no filters, it is NOT working fine...but what do I know?

> Yes, it is
> 20 kilowatts. IT converts 240VDC to 230VAC 50 Hz. I have about
> 10,000 watts of solar panels and we are not connected to the grid at
> all.

Well, again IMHO, you are fortunate in that respect.

> The inverter is a big floor standing thing. This inverter makes a
> continuous hammering noise on certain bands that sounds like a monster
> woodpecker with a 2-cycle engine incorporated into his beak and it's
> working at a very fast speed of about 4 to 8 pecks per second,and his
> engine doesn't have a muffler. Not trying to be funny but that's
> really what it sounds like in my radio.

Yes. I understand, and I don't think it is funny either.

> The inverter is located about
> 120 feet from my house and radio shack and is inside a 40 foot
> container.

40 foot: diameter?, high?, long, what? Is the "container" made of metal or some non-metallic substance?

> I tested it by turning off the inverter....the radio is
> powered by a 200 amp deep cycle battery, and the radio was very quiet
> on all bands, I was amazed!

Well, don't be. My favorite "Elmer" told me in the 1960s that the ordinary ambient noise level had risen substantially since he was licensed in the 1930s, and he attributed this to the activities of the Rural Electrification Administration...at least in the U.S.

> So I hope someone has some knowledge about
> these things that can give me some instructions or ideas. Thanks!

Well, I think we can possibly help, but you may have to dig into the unit and install some proper filters at the appropriate places. If that is impossible, then someone mentioned the MFJ 1026 active noise filter as a possibility.

That unit actually works very well for many types of noise, but is certainly no panacea either. It can also be difficult to properly configure and it really isn't proof against some types of noise.

FYI, one of our sons built a hot-rod gaming computer some time ago in which he installed a 600 watt power supply made in China. It too had no filters, and wiped out, literally, every piece of electronic equipment in the entire home, and especially my radio gear.

Once I figured out the problem, I replaced his crummy power supply with a good Antek, opened up the Chinese power supply, discovered absolutely zero filters of any kind in it, and disposed of it with some well-placed 7.62 X 54R from another son's Moisin-Nagant at 50 paces.

Of course you don't have that freedom.

Now, down to more serious help:

Do you have or can you get any sort of schematic diagram for your inverter?

Can you share that with us some how?

Is the cabinet or case of the inverter made of metal?

Do you have a good ground system somewhere nearby?

Are you familiar with the normal methods of using ferrite-filters?

Can you get, fairly easily, such ferrite filters?

Can you get or do you have some good line-voltage AC rated disk ceramic bypass capacitors? (These should be those rated for connection across an AC line so that if they fail, they fail OPEN. I forget the correct nomenclature for those, but Mouser has them. Someone else here will be able to give the correct type.)

The basic idea is to "bottle up" the noise inside some sort of well-grounded shield and at the same time, short only the RF-noise to that ground, or even to itself.

Does any of the above help?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

30865. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 00:18:13 UTC
From: Gerald Bishop
Topic: 30860 Message: 30865

Make sure you have the grounds needed!! de w8kq
----- Original Message -----
From: Dean
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 11, 2014 5:25 PM
Subject: [ham-antennas] Horrible RF noise problem

I don't know if this is right group for this or not, but maybe someone can steer me in the right direction. My Radio is the Yaesu FT-857D and works fine except that I have a massive noise problem on certain bands. I have found the big bad bear to be my 20KW inverter, made where else but in China. No filters, but it works fine! Yes, it is 20 kilowatts. IT converts 240VDC to 230VAC 50 Hz. I have about 10,000 watts of solar panels and we are not connected to the grid at all. The inverter is a big floor standing thing. This inverter makes a continuous hammering noise on certain bands that sounds like a monster woodpecker with a 2-cycle engine incorporated into his beak and it's working at a very fast speed of about 4 to 8 pecks per second, and his engine doesn't have a muffler. Not trying to be funny but that's really what it sounds like in my radio. The inverter is located about 120 feet from my house and radio shack and is inside a 40 foot container. I tested it by turning off the inverter....the radio is powered by a 200 amp deep cycle battery, and the radio was very quiet on all bands, I was amazed! So I hope someone has some knowledge about these things that can give me some instructions or ideas. Thanks!

73, Dean
CA1JDM - originally from Alabama.

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30866. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 00:23:23 UTC
From: Kenneth G. Gordon
Topic: 30860 Message: 30866

I might give some more details on the "bottle it up" method.

What you can try to do is to make certain your inverter is installed inside some sort of grounded RF-proof shield.

In the interests of cooling, sometimes copper mesh must be used.

Then you must by-pass-for-RF to this grounded shield all wires going into and coming out of the box, as close to the exit of each as possible.

What you want to do is to strip all the RF off any wire that enters or exits the box. You do this "stripping" with appropriate parallel capacitors, at least.

Sometimes, you also have to use series inductors, although should this be necessary, it becomes extremely difficult to accomplish mechanically, since you have to install those inductors, themselves, inside a shielded metal box, and they must be sized to handle the necessary current.

Ferrite filters which SURROUND the wire will reduce this sort of mechanical problem....IFF you can find any which are big enough.

Since it may be likely that part of the electronics in this unit consists of SCRs, you may be able to bypass the various leads of those SCRs to help eliminate the RF noise they make.

All of this may be difficult to accomplish, since you are dealing with 240 VDC and 220 V 50 Hz. AC and at least 100 amps. You must be very careful both when working with it, and when adding the RF shunts.

Then, as mentioned above, there is the cooling problem to deal with.

I think that if I had your problem, and if I could afford it, I would simply get rid of the blasted POS by selling it to someone or some company which didn't have radios, and who "lived" at least 20 miles from me, and would then buy a replacement which has the proper filters already incorporated in it.

Ken Gordon W7EKB

30867. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 00:28:48 UTC
From: Dean
Topic: 30860 Message: 30867

Hi Kenneth,

And thanksfor the tips. The inverter works fine and functions perfectly if I were not a ham! The container is a 40 ft. steel container as used by ships to carry cargo. It is about 40 feet long, 8 feet wide, and 7 feet high roughly. Idon't think there is a schematic with the inverter. I can take and send some photos ifthat might help. The cabinet of the inverter is made of metal. It has slots for air circulation on all sides. I have the metal case grounded through a small hole in the container to a copper ground rod outside, however here in the desert it never rains a drop, and the ground is dry sand. I pour some water around the ground rodevery few days. Also the radio chassis is grounded outside our home the same way to another ground rod. I have no ferrite filtersand cannot get them in Iquique, the nearest sizable city to me. Tell me what I need and I canorder them from the states. I am not familiar with using those ferrite filters or AC capacitors.But tell me what I need to do and I canorder them from the states.

73, Dean
CA1JDM

On 1/11/2014 8:59 PM, Kenneth G. Gordon wrote:
>
> On 11 Jan 2014 at 19:25, Dean wrote:
>
> > I don't know if this is right group for this or not, but maybe someone
> > can steer me in the right direction.
>
> I think some of us can probably give you some worthwhile advice. After
> all,
> antennas are what picks up the noise.
>
> > My Radio is the Yaesu FT-857D and
> > works fine except that I have a massive noise problem on certain
> > bands. I have found the big bad bear to be my 20KW inverter, made
> > where else but in China. No filters, but it works fine!
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> Hmmm....that statement seems to be an oxymoron to me..."No filters, but
> works fine." IMHO, if there are no filters, it is NOT working
> fine...but what do I
> know?
>
> > Yes, it is
> > 20 kilowatts. IT converts 240VDC to 230VAC 50 Hz. I have about
> > 10,000 watts of solar panels and we are not connected to the grid at
> > all.

>
> Well, again IMHO, you are fortunate in that respect.
>
> > The inverter is a big floor standing thing. This inverter makes a
> > continuous hammering noise on certain bands that sounds like a monster
> > woodpecker with a 2-cycle engine incorporated into his beak and it's
> > working at a very fast speed of about 4 to 8 pecks per second,and his
> > engine doesn't have a muffler. Not trying to be funny but that's
> > really what it sounds like in my radio.
>
> Yes. I understand, and I don't think it is funny either.
>
> > The inverter is located about
> > 120 feet from my house and radio shack and is inside a 40 foot
> > container.
>
> 40 foot: diameter?, high?, long, what? Is the "container" made of
> metal or
> some non-metallic substance?
>
> > I tested it by turning off the inverter....the radio is
> > powered by a 200 amp deep cycle battery, and the radio was very quiet
> > on all bands, I was amazed!
>
> Well, don't be. My favorite "Elmer" told me in the 1960s that the
> ordinary
> ambient noise level had risen substantially since he was licensed in the
> 1930s, and he attributed this to the activities of the Rural
> Electrification
> Administration...at least in the U.S.
>
> > So I hope someone has some knowledge about
> > these things that can give me some instructions or ideas. Thanks!
>
> Well, I think we can possibly help, but you may have to dig into the
> unit and
> install some proper filters at the appropriate places. If that is
> impossible, then
> someone mentioned the MFJ 1026 active noise filter as a possibility.
>
> That unit actually works very well for many types of noise, but is
> certainly no
> panacea either. It can also be difficult to properly configure and it
> really isn't
> proof against some types of noise.
>
> FYI, one of our sons built a hot-rod gaming computer some time ago in
> which he installed a 600 watt power supply made in China. It too had no
> filters, and wiped out, literally, every piece of electronic equipment
> in the

> entire home, and especially my radio gear.
>
> Once I figured out the problem, I replaced his crummy power supply with a
> good Antek, opened up the Chinese power supply, discovered absolutely
> zero filters of any kind in it, and disposed of it with some
> well-placed 7.62 X
> 54R from another son's Moisin-Nagant at 50 paces.
>
> Of course you don't have that freedom.
>
> Now, down to more serious help:
>
> Do you have or can you get any sort of schematic diagram for your
> inverter?
>
> Can you share that with us some how?
>
> Is the cabinet or case of the inverter made of metal?
>
> Do you have a good ground system somewhere nearby?
>
> Are you familiar with the normal methods of using ferrite-filters?
>
> Can you get, fairly easily, such ferrite filters?
>
> Can you get or do you have some good line-voltage AC rated disk ceramic
> bypass capacitors? (These should be those rated for connection across an
> AC line so that if they fail, they fail OPEN. I forget the correct
> nomenclature
> for those, but Mouser has them. Someone else here will be able to give
> the
> correct type.)
>
> The basic idea is to "bottle up" the noise inside some sort of
> well-grounded
> shield and at the same time, short only the RF-noise to that ground,
> or even
> to itself.
>
> Does any of the above help?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>

30868. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 00:57:54 UTC
From: Kenneth G. Gordon
Topic: 30860 Message: 30868

On 11 Jan 2014 at 21:28, Dean wrote:

> Hi Kenneth,

'lo Dean.

> And thanks for the tips. The inverter works fine and functions
> perfectly if I were not a ham!

Yes. I understand...even so... :-)

> The container is a 40 ft. steel
> container as used by ships to carry cargo.

Ah! Yes, a standard cargo or shipping container. We use them around here
too.

How are you getting the 240 VDC INTO and the 220 V 50 Hz OUT of the
container? Please be specific.

What I am thinking is that possibly we can work out a method of "stripping"
those wires of the RF noise, while using the shipping container as the shield.

> It is about 40 feet long, 8
> feet wide, and 7 feet high roughly.

Yes. I know exactly what that is.

> I don't think there is a schematic
> with the inverter.

Usually, they don't send one with it.

> I can take and send some photos if that might help.

That MIGHT, especially if there is some sort of data plate on it somewhere
which we could see.

> The cabinet of the inverter is made of metal. It has slots for air
> circulation on all sides.

Then RF would leak out of it very badly.

> I have the metal case grounded through a
> small hole in the container to a copper ground rod outside, however
> here in the desert it never rains a drop, and the ground is dry sand.

Then you have, essentially, no real ground. This is going to be difficult...

> I pour some water around the ground rod every few days.

I pee on mine every few days...but only at night... ;-)

We don't have a dog...

> Also the
> radio chassis is grounded outside our home the same way to another
> ground rod.

Again, essentially no ground at all. We'll have to work on this...

> I have no ferrite filters and cannot get them in Iquique,
> the nearest sizable city to me.

That is completely understandable.

> Tell me what I need and I can order
> them from the states.

I'll have to do some research, and will send you photos of the small ones used to filter RF from TV sets, VCRs, etc. They work pretty well. I usually buy the ones I need off eBay. Mouser has them too...and the capacitors.

> I am not familiar with using those ferrite
> filters or AC capacitors.

OK. I'll try to get some info on those to you asap.

>But tell me what I need to do and I can order
> them from the states.

OK. Let me go to work on this. It will take a few days. In the meantime, I am going to CC this to the ham-antennas forum. Others there probably have better ideas than mine, especially with regard to your ground problem.

In any case, the voltages and currents you have to deal with are deadly, so please be very careful.

Ken W7EKB

30869. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 01:24:48 UTC
From: Dean
Topic: 30860 Message: 30869

>>How are you getting the 240 VDC INTO and the 220 V 50 Hz OUT of the container? Please be specific.

The No. 12 wires from my solar panel groups all go underground through No. 32 (1") dia. Orange colored PVC electrical conduit, up the side of the container on the outside to an elbow into a wall type PVC electrical connector with a nut on it..through a hole I cut in the wall of the container, about 5 feet above ground.

From the inverter, I have a 3 wire cable, (No. 8 wires), black rubber covered, going into the same type of 1" PVC electrical conduit connector through the wall of the container, then down into the ground, buried 30" deep to my house about 120 - 130 feet away, in conduit all the way.

Note: there is no conduit inside the container between the wall and the inverter, as the inverter sits about 3" from the wall.

73, Dean
CA1JDM

30870. AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 01:22:46 UTC
From: siegfried jackstien
Topic: 30860 Message: 30870

Lookhere:

http://www.te.com/catalog/menu/en/27901?BML=L2VuL2JyYW5kcy9jb3Jjb20vc29sdXRp
b25zLmV4dGVybmFsSGVhZGVyLmh0bWw,27685

corcom makes very good filters for inverters or other things(line filters)

cause they are ready built the installation is easy

and much less dangerousas a homebrewed filter

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dean
> Gesendet: Sonntag, 12. Januar 2014 00:29
> An: Kenneth G. Gordon; Ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Horrible RF noise problem
>
>
>
> Hi Kenneth,
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> And thanks for the tips. The inverter works fine and functions perfectly
> if I were not a ham! The container is a 40 ft. steel container as used by
> ships to carry cargo. It is about 40 feet long, 8 feet wide, and 7 feet
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>
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>
>
>

30871. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 03:19:29 UTC
From: Keith Heimbold
Topic: 30782 Message: 30871

Just a quick update. My makeshift K9AY loop is a real eye opener. It totally works. Reduces noise by about 1-2 S units with receive signal strength being the same as my sloper. For such a basic and simple antenna, I have to admit that I am totally shocked that my homebrewish receive antenna actually works.

I got the design primarily from the ARRL antenna book with help from the on4un book and a PDF I found on the web. This is epic!!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 7, 2014, at 12:02 PM, "Mel Farrer" <farrerfolks@yahoo.com> wrote:
>
> Sounds Good.
>
> Mel, K6KBE
>
>
> On Tuesday, January 7, 2014 11:05 AM, Keith Heimbold <ag6az@hotmail.com> wrote:
>
> Hi Mel,
>
> No worries. I really appreciate you taking time to provide signal reports and enjoyed meeting you on the band.
>
> It was good to have multiple folks on even though it overwhelmed me with so many kind ham operators coming to help me test this antenna.
>
> I have occluded after a couple days that the sloper transmits fairly well in northeast direction but doesn't hear well. I decided to build a single loop temporary K9AY antenna that I have in my mind. It should take no time to put together as I have all the parts for a beverage antenna and for a simple K9AY used similar parts. I will keep everyone updated on how this experiment goes and post photos to the yahoo group.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Jan 6, 2014, at 3:28 PM, "Mel Farrer" <farrerfolks@yahoo.com> wrote:
>>
>>

>> Keith, I must apologize for the critical audio comment on your test. First off, I had the cans on my bad ear, the one with the previously reputered ear drum. And as a result I cranked up the audio level to hear "better" that is why now the audio has distortion on my end. Hate that when it happens.
>>
>> Anyway, I hope the tests were to your liking. It is always a good feeling when it works as planned. Cheers,
>>
>> Mel, K6KBE
>>
>>
>>
>> On Monday, January 6, 2014 3:14 PM, Mark Pope <popespcworks@gmail.com> wrote:
>>
>> I know here I use an OCF Windom in an inverted V configuration. Its up about 35ft. That's what I was using to QSO with you last night. I also have a Mosley TA-33 jr with the Warc bands. Lately I have found myself using the Windom more often as the Mosley is getting a lot of noise that the wire does not. So as to what your saying I can understand. The Windom does not have "ears" like the Mosley but with less noise I can actually hear more. We are under snow and ice right now but when spring gets here I am going to look into what all the noise is about. Think there might be a noisy power pole transformer to the Northeast of my property..And of course NE is where I want it pointed for European DX. Go figure.
>>
>> 73
>> Mark/W7MCP
>>
>>
>> On Mon, Jan 6, 2014 at 1:15 PM, Keith Heimbold <ag6az@hotmail.com> wrote:
>>
>> Thanks Mark. I think it is interesting to note that the antenna did seem to have a beneficial directional transmit ability to the northeast, based on a few reports from a little less than 1 S unit to more than 1 S unit at the same power level.
>>
>> For already strong signals in that direction I saw a corresponding increase in received signals along with an increase in noise level between 1/2 to 1 S unit. For "weaker signals" like those coming from Europe last night like DF2BO and a few others from the UK last night on 3.7999 MHz the dipole's lower noise level allowed me to actually have full Q5 readability while the sloper I could barely copy the signal through the increased noise. I knew they were there but it was more challenging to understand what was being said.
>>
>> Of course one evenings results doesn't conclude the analysis. I will continue my plan to build another reduced sloper for Asia Pacific direction or 120 degrees offset from the other sloper.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>

>>> On Jan 5, 2014, at 7:16 PM, "Mark Pope" <popespcworks@gmail.com> wrote:
>>>
>>>
>>> Radio sounded good here in Idaho Keith. Good work on the sloper. Hope to qso with you again when you have more time.
>>>
>>> 73
>>>
>>> Mark/W7MCP
>>>
>>>
>>> On Sun, Jan 5, 2014 at 12:07 PM, <ag6az@hotmail.com> wrote:
>>>
>>> I put up an 80m homebrew / salvage half sloper using one of the loading coils from a MFJ 80/40 dipole that snapped earlier this year. I used about 44' of new 14 gauge stranded insulated wire with the MFJ coil and the provided 14 gauge non insulated wire. My configuration is that the coil is at the end closest to the ground and the wire extends up to about 40' and attaches to a 1:1 balun and the other wire from the balun attaches to the tower with a stainless hose clamp. It took a little trial and error but I got it tuned at 3.725 at 1.5:1 to 3..810 at 2:1.
>>>
>>> I plan to test it tonight and depending on how it works I will use the second coil for another 80m sloper towards JA and Asia. Been fun reusing broken stuff and making antennas out of them.
>>>
>>> I will be on 3.803 MHz LSB tonight testing and doing A/B testing against my alpha delta dxcc antenna if anyone wants to give me a report. Hope it works good but still fun to experiment.
>>>
>>> Thanks & 73,
>>>
>>> Keith
>>> AK6ZZ
>
>
>
>

30872. Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 05:19:38 UTC
From: Jim
Topic: 30856 Message: 30872

Hi Dale,

Wellllll..... a little thought problem. Lets put an MFJ259B analyzer on the end of a 10ft piece of 50ohm coax and connect the other end to a load like the old Heath Cantenna, which was 50 ohms at HF. If we look at the SWR on the 259B, we should see a 1:1 SWR, or something very close, at any frequency between 2 and 30Mhz. Now lets make the coax 100ft; that is 10x longer. Will we still have a 1:1 SWR at Hf? Sure we will and it will be the same from 2-30mhz!

So what would be wrong if there was a different reading if we varied the transmission line length and the SWR changed? The "antenna" would have to be part reactive, either capacitive or inductive; at resonance those factors should cancel out and just leave the resistance.

I don't know anything about the MA160V, but do have a 5BTV. It is a trap antenna and is designed to be about 50ohm input on its operating bands. However, that can vary slightly, depending on its radial field.

Varying the length of a transmission line is not necessary when an antenna is operating at a resonant frequency. It is usually done when the antenna has reactance at the operating frequency and the transmission line length is used to transform the impedance seen at the transmitter.

I operate my 5BTV on 60m by using an antenna tuner. The transmitter is happy and the antenna has done very well. The run from the shack to the antenna is about 160ft; the coax is buried 1ft under the surface of the yard.

So, don't worry about the length of the lines.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, dale cole <dchamguy@...> wrote:
>
> Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
> TIA
> Dale Cole K8TS
> dchamguy@...
>

30873. Re: [ham-antennas] New 80m half sloper salvage antenna test request

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 08:55:24 UTC
From: Billy McFarland
Topic: 30782 Message: 30873

Hi Keith,

I like loops over dipoles depending on how their hung depends on the angle if radiation but can be good for dx. I put up a delta loop and my house and replaced the dipole reduced noise by three s stops which was a life safer as the noise at my qth can be bad at times.

Did you use a section of 75 ohm feeder for matching or a 2.5:1 balun. I prefer the latter as for low frequency you don't need a long length if matching coax. For multi band use I prefer a 4:1 balun. I've always used 14 awg speaker wire, cheap and strong enough for the local winds.

73 de GM0OBX billy

30874. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 10:29:36 UTC
From: <yl2qn.andy@...>
Topic: 30856 Message: 30874

Paul,

Can you please explain why not use less 1/4 WL. I know about 1/4 (2:1 transformer) but don't know anything about less value.

Thank in advance !

> Note: Never employ a coupling coax length near or less than l/4 !

Regards.

Andy - YL2QN

---In ham-antennas@yahoogroups.com, <nonlinear@...> wrote:

Dear Hal

this is the info I have:

For longer coax and/or a different velocity factor, the equation is:

L* = 150*(1+2*n)*VF/fo (m) n=0,1,2,3…..

Note: Never employ a coupling coax length near or less than l/4 !

hope this helps

Paul

BTW: the source for this is RF Laboratory practice

On Saturday, January 11, 2014 5:05:03 PM, Harold <aa2id@...> wrote:

Paul,
all multiples of 1/2 wave are multiples of 1/4 wave.
Please explain further.
I was told to make it in odd multiples of 1/4 wave.
Now I am confused.

Hal AA2ID

-----Original Message-----
From: Paul V Birke PEng <nonlinear@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Jan 11, 2014 1:24 pm
Subject: Re: [ham-antennas] Coax Feed

use odd multiples of wavelength/2

avoid any lengths that end up in multiples of wavelength/4

best wishes
Paul

On Saturday, January 11, 2014 3:44:50 PM, dale cole <dchamguy@... mailto:dchamguy@...> wrote:

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS
dchamguy@... mailto:dchamguy@...

30875. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 14:36:01 UTC
From: Dean
Topic: 30860 Message: 30875

It's easier for me to put a website online with images of my system and
some details, which I just did in the past few minutes:
http://www.cdagro.com/general/20KWInverter.html

73, Dean
CA1JDM

30876. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 15:29:17 UTC
From: Mel Farrer
Topic: 30860 Message: 30876

Hello Dean, seeing that the inverter is sine wave make me want to look at the regulator circuit for the problem. I would also contact the Tress company for suggestions.

Mel, K6KBE

On Sunday, January 12, 2014 6:36 AM, Dean <dean243@...> wrote:

It's easier for me to put a website online with images of my system and some details, which I just did in the past few minutes:
http://www.cdagro.com/general/20KWInverter.html

73, Dean
CA1JDM

30877. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 15:37:46 UTC
From: enkitec@...
Topic: 30860 Message: 30877

Dean,

1) Try leaving the inverter running but with the output wires
disconnected.
2) Is the container itself connected to the ground?

73,
Mark Jordan PY3SS

On 12-Jan-14 12:36, Dean wrote:
>
>
> It's easier for me to put a website online with images of my system
> and some details, which I just did in the past few minutes:
> http://www.cdagro.com/general/20KWInverter.html
>
> 73, Dean
> CA1JDM
>
>
>
>
>
>

30878. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 15:39:40 UTC
From: Artek Manuals
Topic: 30860 Message: 30878

Dean

This is going to be tough one to solve (you knew that :-))

The noise can be transmitted via radiated and conducted paths (likely both to some degree). I suspect that the noise varies in strength depending on the load on the inverter as well. Conducted noise, noise leaving the box via the wires (into and out of the box) is the easiest to measure and filter and I would start there. Noise being conducted over the I/O DC & AC (and control?) lines is the easiest to stop and this noise uses the wiring in the whole system as an antenna which your transceiver is picking up. Radiated noise is noise that uses the internal wiring to the cabinet as an antenna the cabinet may or may not be good enough to stop this

For starters (if it were me) I would get a good oscilloscope (100 MHz bandwidth or more) and if possible a spectrum analyzer and characterize the noise. you should be looking at the total spectrum and bandwidth of the noise as well as individual spikes and other non sinusoidal garbage riding on the waveform. Take measurements under with minimal and full load. This will help you decide what kind of filters you actually need, and will give you quantitative measures of how effective a given filter is. lots of commercially available filters (mostly low-pass) but you may decide that a few home brew notch filters just for ham band frequencies is more effective. Get a notebook, keep good notes (notebook) and take lots of digital photos of waveforms before and after

Once you have eliminated the conducted noise and you still have problems then you are looking at improving the shielding on the box..the subject of a another email when you get to that point

Dave
NR1DX

On 1/12/2014 8:36 AM, Dean wrote:
>
> It's easier for me to put a website online with images of my system
> and some details, which I just did in the past few minutes:
> http://www.cdagro.com/general/20KWInverter.html
>
> 73, Dean
> CA1JDM
>
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30879. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 15:44:36 UTC
From: Dean
Topic: 30860 Message: 30879

1. I will try that in a while. Cannot right this minute.

2. Yes, the container is connected to the ground.

73, Dean
CA1JDM

On 1/12/2014 12:37 PM, enkitec@... wrote:
>
>
> Dean,
>
> 1) Try leaving the inverter running but with the output wires
> disconnected.
> 2) Is the container itself connected to the ground?
>
> 73,
> Mark Jordan PY3SS
>
>
> On 12-Jan-14 12:36, Dean wrote:
>> It's easier for me to put a website online with images of my system
>> and some details, which I just did in the past few minutes:
>> http://www.cdagro.com/general/20KWInverter.html
>>
>> 73, Dean
>> CA1JDM
>>
>>
>>
>
>

30880. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 15:49:53 UTC
From: Mel Farrer
Topic: 30860 Message: 30880

I agree with Dave but think the characteristic of the noise you have is like a motorboating effect. That leads me back to the regulator circuit that is not smooth but pulsing to cause a low frequency oscillation you describe. You don't need much phase shift in the feedback circuit to allow the instability or pulsing. Looking at the block diagram the sensing circuit already has a series cap going to the op amp if the microprocessor controller has any more, it could be your source problem.

Mel, K6KBE

On Sunday, January 12, 2014 7:40 AM, Artek Manuals <nr1dx@...> wrote:

Dean

This is going to be tough one to solve (you knew that :-))

The noise can be transmitted via radiated and conducted paths (likely both to some degree). I suspect that the noise varies in strength depending on the load on the inverter as well. Conducted noise, noise leaving the box via the wires (into and out of the box) is the easiest to measure and filter and I would start there. Noise being conducted over the I/O DC & AC (and control?) lines is the easiest to stop and this noise uses the wiring in the whole system as an antenna which your transceiver is picking up. Radiated noise is noise that uses the internal wiring to the cabinet as an antenna the cabinet may or may not be good enough to stop this

For starters (if it were me) I would get a good oscilloscope (100 MHz bandwidth or more) and if possible a spectrum analyzer and characterize the noise. you should be looking at the total spectrum and bandwidth of the noise as well as individual spikes and other non sinusoidal garbage riding on the waveform. Take measurements under with minimal and full load. This will help you decide what kind of filters you actually need, and will give you quantitative measures of how effective a given filter is. lots of commercially available filters (mostly low-pass) but you may decide that a few home brew notch filters just for ham band frequencies is more effective. Get a notebook, keep good notes (notebook) and take lots of digital photos of waveforms before and after

Once you have eliminated the conducted noise and you still have problems then you are looking at improving the shielding on the box..the subject of a another email when you get to that point

Dave
NR1DX

On 1/12/2014 8:36 AM, Dean wrote:

>It's easier for me to put a website online with images of my system and some details, which I just did in the past few minutes:
>http://www.cdagro.com/general/20KWInverter.html
>
>73, Dean
>CA1JDM
>
>
>
>

--
Dave Manuals@... www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

30881. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 17:21:51 UTC
From: Kenneth G. Gordon
Topic: 30860 Message: 30881

On 12 Jan 2014 at 13:37, enkitec@... wrote:

>
> Dean,
>
> 1) Try leaving the inverter running but with the output wires
> disconnected.
> 2) Is the container itself connected to the ground?
>
> 73,
> Mark Jordan PY3SS

Mark, and all:

From Dean's description, I believe his ground system is not effective. At this point I am not sure what can be done about it either.

Secondly, I also believe there are two ways to attack his problem. both of which have been covered pretty well here: 1) bottle up the noise inside an RF-tight box, 2) attack the source of the noise by looking closely at the circuit and any possible defects with it.

As Dave also mentioned, the solution to Dean's problem is NOT going to be easy, but I am also sure it can be overcome, given enough time and energy.

Ken W7EKB

30882. Portable end fed slopper

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 18:11:09 UTC
From: Billy McFarland
Topic: 30782 Message: 30882

All,

I've put together an portable endfed antenba set up as a slopper. Worked very well and takes minutes to out up. Here's a video of a friend setting it up.

http://m.youtube.com/watch?v=I4pVYOYr_M4&desktop_uri=%2Fwatch%3Fv%3DI4pVYOYr_M4#

73 de GM0OBX billy

30883. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 20:54:13 UTC
From: Paul V Birke PEng
Topic: 30856 Message: 30883

you will get impedance variation
p

On Sunday, January 12, 2014 5:29:40 AM, "yl2qn.andy@..." <yl2qn.andy@...> wrote:

Paul,

Can you please explain why not use less 1/4 WL. I know about 1/4 (2:1 transformer) but don't know anything about less value.

Thank in advance !

> Note: Never employ a coupling coax length near or less than l/4 !

Regards.

Andy - YL2QN

---In ham-antennas@yahoogroups.com, <nonlinear@...> wrote:

Dear Hal

this is the info I have:

For longer coax and/or a different velocity factor,
the equation is:

L* = 150*(1+2*n)*VF/fo (m) n=0,1,2,3…..
   Note: Never employ a coupling coax
length near or less than l/4 !

hope this helps

Paul

BTW: the source for this is RF Laboratory practice

On Saturday, January 11, 2014 5:05:03 PM, Harold <aa2id@...> wrote:

Paul,
all multiples of 1/2 wave are multiples of 1/4 wave.
Please explain further.
I was told to make it in odd multiples of 1/4 wave.
Now I am confused.

Hal AA2ID

-----Original Message-----
From: Paul V Birke PEng <nonlinear@...>
To: ham-antennas <ham-antennas@yahoogroups.com>

Sent: Sat, Jan 11, 2014 1:24 pm
Subject: Re: [ham-antennas] Coax Feed

use odd multiples of wavelength/2

avoid any lengths that end up in multiples of wavelength/4

best wishes
Paul

On Saturday, January 11, 2014 3:44:50 PM, dale cole <dchamguy@...> wrote:

Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V (using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns.
TIA
Dale Cole K8TS
dchamguy@...

30884. Re: [ham-antennas] Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 21:41:04 UTC
From: dale cole
Topic: 30856 Message: 30884

Thanks Jim.....your analogy makes very good sense to me. However, does not the vf enter in? Such as RG-8 opposed to RG-213? If it does, therefor would that not make a difference, as in arriving at the antenna at the wrong time? Just a little Transmission 101 class here hi hi
Dale K8TS

From: Jim <k9jfk@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 12, 2014 12:19 AM
Subject: [ham-antennas] Re: Coax Feed

Hi Dale, Wellllll..... a little thought problem. Lets put an MFJ259B analyzer on the end of a 10ft piece of 50ohm coax and connect the other end to a load like the old Heath Cantenna, which was 50 ohms at HF. If we look at the SWR on the 259B, we should see a 1:1 SWR, or something very close, at any frequency between 2 and 30Mhz. Now lets make the coax 100ft; that is 10x longer. Will we still have a 1:1 SWR at Hf? Sure we will and it will be the same from 2-30mhz! So what would be wrong if there was a different reading if we varied the transmission line length and the SWR changed? The "antenna" would have to be part reactive, either capacitive or inductive; at resonance those factors should cancel out and just leave the resistance. I don't know anything about the MA160V, but do have a 5BTV. It is a trap antenna and is designed to be about 50ohm input on its operating bands. However, that can vary slightly, depending on its radial field.
Varying the length of a transmission line is not necessary when an antenna is operating at a resonant frequency. It is usually done when the antenna has reactance at the operating frequency and the transmission line length is used to transform the impedance seen at the transmitter. I operate my 5BTV on 60m by using an antenna tuner. The transmitter is happy and the antenna has done very well. The run from the shack to the antenna is about 160ft; the coax is buried 1ft under the surface of the yard. So, don't worry about the length of the lines. 73, Jimmie, K9JFK --- In ham-antennas@yahoogroups.com, dale cole <dchamguy@...> wrote: > > Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna). I can't find it in my 1970 Antenna Handbook, and all the other Handbooks are buried, as I remodel the shack. I am working with a Cushcraft MA160V
(using 100' coax) and a 6btv vertical also with a 100' of coax. Both are using RG-213 with 100 w and are buried. No baluns. > TIA > Dale Cole K8TS > dchamguy@... >

30885. BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 21:58:08 UTC
From: <pop_vasile@...>
Topic: 30885 Message: 30885

I can build for u any air variable capacitors

http://www.flickr.com/photos/93005502@N08/page3/
https://www.youtube.com/watch?v=PVGZryuLwQ0

Variable Butterfly Capacitor for a Homebrew Magnetic Loop Antena

This capacitor has a 65pF to 260pF.
11"x3.75"x3.75",20 sets of 3"OD rotor
I produce this blades using a CNC machine.

BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

I have available for ham radio

3" OD ROTOR + 2 STATOR PLATES $ 5.00
4" OD ROTOR + 2 STATOR PLATES $ 6.50
5" OD ROTOR + 2 STATOR PLATES $ 7.75
6" OD ROTOR + 2 STATOR PLATES $ 8.75
8" OD ROTOR + 2 STATOR PLATES $ 10.50
10" OD ROTOR + 2 STATOR PLATES $ 14.00

73 de VA6POP
yo5bzz(at)gmail.com

30886. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-12 22:38:38 UTC
From: Craig Palmer KF5JYZ
Topic: 30885 Message: 30886

I sent him an email and never heard back, this was several weeks ago.

Craig

From: pop_vasile@...
Sent: Sunday, January 12, 2014 3:58 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

I can build for u any air variable capacitors

http://www.flickr.com/photos/93005502@N08/page3/
https://www.youtube.com/watch?v=PVGZryuLwQ0

Variable Butterfly Capacitor for a Homebrew Magnetic Loop Antena

This capacitor has a 65pF to 260pF.
11"x3.75"x3.75",20 sets of 3"OD rotor
I produce this blades using a CNC machine.

BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

I have available for ham radio

3" OD ROTOR + 2 STATOR PLATES $ 5.00
4" OD ROTOR + 2 STATOR PLATES $ 6.50
5" OD ROTOR + 2 STATOR PLATES $ 7.75
6" OD ROTOR + 2 STATOR PLATES $ 8.75
8" OD ROTOR + 2 STATOR PLATES $ 10.50
10" OD ROTOR + 2 STATOR PLATES $ 14.00

73 de VA6POP
yo5bzz(at)gmail.com

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6996 - Release Date: 01/12/14

30887. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 00:06:30 UTC
From: Dean
Topic: 30860 Message: 30887

Ken,

When you say "bottle up the noise", are you essentially referring to a Faraday cage? And can't my entire 40 foot container serve as a Faraday cage?

73, Dean
CA1JDM

On 1/12/2014 2:21 PM, Kenneth G. Gordon wrote:
>
> On 12 Jan 2014 at 13:37, enkitec@... wrote:
>
> >
> > Dean,
> >
> > 1) Try leaving the inverter running but with the output wires
> > disconnected.
> > 2) Is the container itself connected to the ground?
> >
> > 73,
> > Mark Jordan PY3SS
>
> Mark, and all:
>
> From Dean's description, I believe his ground system is not effective.
> At this
> point I am not sure what can be done about it either.
>
> Secondly, I also believe there are two ways to attack his problem.
> both of
> which have been covered pretty well here: 1) bottle up the noise
> inside an
> RF-tight box, 2) attack the source of the noise by looking closely at
> the circuit
> and any possible defects with it.
>
> As Dave also mentioned, the solution to Dean's problem is NOT going to be
> easy, but I am also sure it can be overcome, given enough time and energy.
>
> Ken W7EKB
>
>

30888. Antenna Switch

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 00:58:23 UTC
From: kdbrady1963@att.net
Topic: 30888 Message: 30888

Is it safe and plausible to reverse an antenna switch? I haven't tried it yet, but would like to know, if I could safely use two transceivers and one antenna? Please, be kind with your answers. If there is a switch that can isolate the signal and not allow the other transceiver to be overloaded, even though it is turned off, I would be interested in that switch, better yet, if I could have both turned on.

Thanks,

Keith

30889. Re: [ham-antennas] Antenna Switch

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 02:09:59 UTC
From: Brad NK8J
Topic: 30888 Message: 30889

Yes you can use 2 transceivers and one antenna on a switch. Just make sure to operate one radio at a time to prevent reciever overload unless the radios are vhf/uhf. Then your fine

Sent from my LG Mobile

"kdbrady1963@att.net" <kdbrady1963@att.net> wrote:

>Is it safe and plausible to reverse an antenna switch? I haven't tried it yet, but would like to know, if I could safely use two transceivers and one antenna? Please, be kind with your answers. If there is a switch that can isolate the signal and not allow the other transceiver to be overloaded, even though it is turned off, I would be interested in that switch, better yet, if I could have both turned on.
>
>Thanks,
>
>Keith
>

_____
5 Easy ways to FIGHT carbs
1 EASY tip to increase fat-burning, lower blood sugar & decrease fat storage
http://thirdpartyoffers.juno.com/TGL3131/52d34aec134764aea4135st04vuc

30890. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 02:18:19 UTC
From: <leschyna@...>
Topic: 30885 Message: 30890

Not surprising. If you need help, contact me directly. I am the owner of Monarch Capacitors, the original offering for magnetic loops etc.

Thank you and 73

Bob VE3UK Good in QRZ

30891. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 02:46:29 UTC
From: David Cole
Topic: 30885 Message: 30891

Hi Bob,

Not trying to start a fight here-- but out of curiosity, why would you post an advertisement here, then not answer email sent to the address from which that advertisement was sent, and then later when someone comments on your not answering, post a comment saying "not surprising", indicating that no one should be surprised you are ignoring the address from which you sent the advertisement in the first place?

I would think it surprising that you would not answer the address from which you posted...

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-01-12 at 18:18 -0800, leschyna@... wrote:
>
>
> Not surprising. If you need help, contact me directly. I am the owner
> of Monarch Capacitors, the original offering for magnetic loops etc.
>
>
> Thank you and 73
>
>
> Bob VE3UK Good in QRZ
>
>
>
>

30892. RE: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 03:25:43 UTC
From: Michael D Earls
Topic: 30885 Message: 30892

Am I missing something? All of the ads were posted by someone else.

Why are you blaming Bob?

I can build for u any air variable capacitors
73 de VA6POP
yo5bzz(at)gmail.com

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of David Cole
Sent: Sunday, January 12, 2014 8:46 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Hi Bob,

Not trying to start a fight here-- but out of curiosity, why would you post an advertisement here, then not answer email sent to the address from which that advertisement was sent, and then later when someone comments on your not answering, post a comment saying "not surprising", indicating that no one should be surprised you are ignoring the address from which you sent the advertisement in the first place?

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--
Thanks and 73's,
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www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-01-12 at 18:18 -0800, leschyna@... wrote:
>
>
> Not surprising. If you need help, contact me directly. I am the owner

> of Monarch Capacitors, the original offering for magnetic loops etc.
>
>
> Thank you and 73
>
>
> Bob VE3UK Good in QRZ

30893. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 04:11:21 UTC
From: <ke7zag@...>
Topic: 30860 Message: 30893

Hi Dean,

Here is a thought.

Are you using a desulfinator on your battery plant?

I know if I run my desulfinator, which works via a high frequency voltage pulse to the batteries, that I will get a pulsed RF signal back out the battery feed cable. I just turn off my desulfinator when I use the rigs to avoid the rhythmic pulse noise here.

It drove me nuts before I found the source RF and several harmonics by hours of sniffing. No filtering, no capacitors, nothing will stop the noise in my plant except temporary disconnection of the defulfination unit.

73's

Randy

30894. Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 04:29:11 UTC
From: Scott
Topic: 30856 Message: 30894

I have a fan dipole fed with 100 ft of coax that I didn't cut because I was finalizing the details of the structure of the support system. Now I am ready to cut it, but:
1. do you calculate the 1/4 wavelength for the lowest or highest frequency?
2. I have a balun made from 18 turns of the coax--do I include that in the overall measurement?

I just want to follow the old axiom "measure twice, cut once".

73, Scott XE1/AA0AA

Sent from Scott's iPad

30895. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 05:00:52 UTC
From: Adrian Flynn
Topic: 30860 Message: 30895

Hi Dean,

I am very familiar with poor grounds in the desert having lived in Arizona for 60 years.

One trick you can try that I used with great success is to run a PVC pipe(start 2' from top fill cap to *drill 1/16"* or smaller holes down the side that will be facing the ground rod staggered off the center line about 1/2" about every 3") (Size of pipe your choice depending on how often you want to refill it or what you have on hand.) into the ground within 5 to 6 inches of the ground rod (I tape a piece of 1/4" plastic tube to the side or the PVC and finish with a piece of 1/4" copper for the last foot to the end of the PVC then over the end to a point about 3" below the cap on the bottom of the PVC pipe) I then use water pressure through the 1/4" line to "Drill" the PVC pipe into the ground. *It is slow going!* But it works. I try to leave at least 6" above ground and go 2' past end of ground rod. If you don't mind water works use a temporary cap and fill the PVC tube with water under pressure to help drill the hole for it if you have the water available.

After it is drilled into the ground fill with water and check every few days to see how fast it uses the water.

Hope this helps some

72
Adrian KF7DYU

, however here in the desert it never rains a drop, and the ground is dry
> sand. I pour some water around the ground rod every few days. Also the
> radio chassis is grounded outside our home the same way to another ground
> rod. I have no ferrite filters and cannot get them in Iquique, the
> nearest sizable city to me. .
>
> 73, Dean
> CA1JDM
>
> On 1/11/2014 8:59 PM, Kenneth G. Gordon wrote:
>
>
>
> On 11 Jan 2014 at 19:25, Dean wrote:
>
> > I don't know if this is right group for this or not, but maybe someone
> > can steer me in the right direction.
>

> I think some of us can probably give you some worthwhile advice. After
> all,
> antennas are what picks up the noise.
>
> > My Radio is the Yaesu FT-857D and
> > works fine except that I have a massive noise problem on certain
> > bands. I have found the big bad bear to be my 20KW inverter, made
> > where else but in China. No filters, but it works fine!
>
> Hmmm....that statement seems to be an oxymoron to me..."No filters, but
> works fine." IMHO, if there are no filters, it is NOT working fine...but
> what do I
> know?
>
> > Yes, it is
> > 20 kilowatts. IT converts 240VDC to 230VAC 50 Hz. I have about
> > 10,000 watts of solar panels and we are not connected to the grid at
> > all.
>
> Well, again IMHO, you are fortunate in that respect.
>
> > The inverter is a big floor standing thing. This inverter makes a
> > continuous hammering noise on certain bands that sounds like a monster
> > woodpecker with a 2-cycle engine incorporated into his beak and it's
> > working at a very fast speed of about 4 to 8 pecks per second,and his
> > engine doesn't have a muffler. Not trying to be funny but that's
> > really what it sounds like in my radio.
>
> Yes. I understand, and I don't think it is funny either.
>
> > The inverter is located about
> > 120 feet from my house and radio shack and is inside a 40 foot
> > container.
>
> 40 foot: diameter?, high?, long, what? Is the "container" made of metal or
> some non-metallic substance?
>
> > I tested it by turning off the inverter....the radio is
> > powered by a 200 amp deep cycle battery, and the radio was very quiet
> > on all bands, I was amazed!
>
> Well, don't be. My favorite "Elmer" told me in the 1960s that the ordinary
> ambient noise level had risen substantially since he was licensed in the
> 1930s, and he attributed this to the activities of the Rural
> Electrification
> Administration...at least in the U.S.
>
> > So I hope someone has some knowledge about
> > these things that can give me some instructions or ideas. Thanks!
>

> Well, I think we can possibly help, but you may have to dig into the unit
> and
> install some proper filters at the appropriate places. If that is
> impossible, then
> someone mentioned the MFJ 1026 active noise filter as a possibility.
>
> That unit actually works very well for many types of noise, but is
> certainly no
> panacea either. It can also be difficult to properly configure and it
> really isn't
> proof against some types of noise.
>
> FYI, one of our sons built a hot-rod gaming computer some time ago in
> which he installed a 600 watt power supply made in China. It too had no
> filters, and wiped out, literally, every piece of electronic equipment in
> the
> entire home, and especially my radio gear.
>
> Once I figured out the problem, I replaced his crummy power supply with a
> good Antek, opened up the Chinese power supply, discovered absolutely
> zero filters of any kind in it, and disposed of it with some well-placed
> 7.62 X
> 54R from another son's Moisin-Nagant at 50 paces.
>
> Of course you don't have that freedom.
>
> Now, down to more serious help:
>
> Do you have or can you get any sort of schematic diagram for your inverter?
>
> Can you share that with us some how?
>
> Is the cabinet or case of the inverter made of metal?
>
> Do you have a good ground system somewhere nearby?
>
> Are you familiar with the normal methods of using ferrite-filters?
>
> Can you get, fairly easily, such ferrite filters?
>
> Can you get or do you have some good line-voltage AC rated disk ceramic
> bypass capacitors? (These should be those rated for connection across an
> AC line so that if they fail, they fail OPEN. I forget the correct
> nomenclature
> for those, but Mouser has them. Someone else here will be able to give the
> correct type.)
>
> The basic idea is to "bottle up" the noise inside some sort of
> well-grounded
> shield and at the same time, short only the RF-noise to that ground, or

> even
> to itself.
>
> Does any of the above help?
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>

30896. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 05:27:11 UTC
From: Joe - W7RKN
Topic: 30860 Message: 30896

Not something you can in Tucson, Arizona, what with all the caliche there..I grew up in Tucson, and my step dad wanted to plant some trees around the house he built in the Catalina Foothills, North of Tucson...they had to use dynamite to blow holes through the stuff. Exciting day for a 10 year old boy..KABOOM! Better'n the 4th of July!

Joe - W7RKN
----- Original Message -----
From: Adrian Flynn
Subject: Re: [ham-antennas] Horrible RF noise problem

Hi Dean,

One trick you can try that I used with great success is to run a PVC pipe(start 2' from top fill cap to drill 1/16" or smaller holes down the side that will be facing the ground rod staggered off the center line about 1/2" about every 3")

30897. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 05:45:27 UTC
From: Craig Palmer KF5JYZ
Topic: 30885 Message: 30897

if you read the email addy, you would notice its yahoo.fr a French yahoo account. Not Robert

Craig

From: David Cole
Sent: Sunday, January 12, 2014 8:46 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Hi Bob,

Not trying to start a fight here-- but out of curiosity, why would you post an advertisement here, then not answer email sent to the address from which that advertisement was sent, and then later when someone comments on your not answering, post a comment saying "not surprising", indicating that no one should be surprised you are ignoring the address from which you sent the advertisement in the first place?

I would think it surprising that you would not answer the address from which you posted...

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-01-12 at 18:18 -0800, leschyna@... wrote:
>
>
> Not surprising. If you need help, contact me directly. I am the owner
> of Monarch Capacitors, the original offering for magnetic loops etc.
>
>
> Thank you and 73
>
>
> Bob VE3UK Good in QRZ
>

>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/6997 - Release Date: 01/12/14

30898. Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 07:03:39 UTC
From: Jim
Topic: 30856 Message: 30898

Hi Dale,

I don't think the vf of the transmission cable will ever be a problem if the coax is terminated at both ends in a value that equals its characteristic impedance. Don't forget, the antennas you have are designed to be multibanded and resonant at the frequencies of their operation.

There are many antennas around that change the length and type of transmission line to match the antenna to the transmitter at the frequency of operation. One of these is ...

http://www.w5dxp.com/notuner.htm

Would've liked to try that one, but don't have the proper supports for installation.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, dale cole <dchamguy@...> wrote:
>
> Thanks Jim.....your analogy makes very good sense to me.Â However, does not the vf enter in?Â Such as RG-8 opposed to RG-213?Â If it does, therefor would that not make a difference, as in arriving at the antenna at the wrong time?Â Just a little Transmission 101 class here hi hi
> Dale K8TS
>
>

30899. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 07:19:11 UTC
From: Adrian Flynn
Topic: 30860 Message: 30899

Joe,
You mean that stuff that when it is wet is slicker than "Black Ice"?
Yes it is a pita in both respects.

It can be done if it is a layer about 2 ft. thick, past that find a drill machine

I taught my daughter to drive "Like on ice" on that stuff and told her "If you get us stuck you dig it out".
She never got stuck and now living in MI I have never seen her have a problem driving in snow or ice.

Keep the dynamite handy when working with that stuff or *tons* of water to soften it a couple of inches at a time every 24 hours.
72
Adrian KF7DYU

On Mon, Jan 13, 2014 at 12:27 AM, Joe - W7RKN <w7rkn.7@...> wrote:

>
>
> Not something you can in Tucson, Arizona, what with all the caliche
> there..I grew up in Tucson, and my step dad wanted to plant some trees
> around the house he built in the Catalina Foothills, North of Tucson...they
> had to use dynamite to blow holes through the stuff. Exciting day for a 10
> year old boy..KABOOM! Better'n the 4th of July!
>
> Joe - W7RKN
>
> ----- Original Message -----
> *From:* Adrian Flynn <ADRIANJAMESFLYNN@...>
> *Subject:* Re: [ham-antennas] Horrible RF noise problem
>
> Hi Dean,
>
> One trick you can try that I used with great success is to run a PVC pipe(
> start 2' from top fill cap to *drill 1/16"* or smaller holes down the
> side that will be facing the ground rod staggered off the center line about
> 1/2" about every 3")
>
>
>

30900. Re: [ham-antennas] Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 07:23:07 UTC
From: dale cole
Topic: 30856 Message: 30900

nice.....

From: Jim <k9jfk@yahoo.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, January 13, 2014 2:03 AM
Subject: [ham-antennas] Re: Coax Feed

Hi Dale,

I don't think the vf of the transmission cable will ever be a problem if the coax is terminated at both ends in a value that equals its characteristic impedance. Don't forget, the antennas you have are designed to be multibanded and resonant at the frequencies of their operation.

There are many antennas around that change the length and type of transmission line to match the antenna to the transmitter at the frequency of operation. One of these is ...

http://www.w5dxp.com/notuner.htm

Would've liked to try that one, but don't have the proper supports for installation.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, dale cole <dchamguy@...> wrote:
>
> Thanks Jim.....your analogy makes very good sense to me.Â However, does not the vf enter in?Â Such as RG-8 opposed to RG-213?Â If it does, therefor would that not make a difference, as in arriving at the antenna at the wrong time?Â Just a little Transmission 101 class here hi hi
> Dale K8TS
>
>

30901. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 07:22:44 UTC
From: Adrian Flynn
Topic: 30885 Message: 30901

same here, long before Halloween.
no answer ever
72
Adrian KF7DYU

On Sun, Jan 12, 2014 at 5:38 PM, Craig Palmer KF5JYZ
<craigjp@...>wrote:

>
>
> I sent him an email and never heard back, this was several weeks ago.
>
> Craig
>
> *From:* pop_vasile@...
> *Sent:* Sunday, January 12, 2014 3:58 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP
> ANTENNA VA6POP
>
>
>
> I can build for u any air variable capacitors
>
> http://www.flickr.com/photos/93005502@N08/page3/
> https://www.youtube.com/watch?v=PVGZryuLwQ0
>
> Variable Butterfly Capacitor for a Homebrew Magnetic Loop Antena
>
> This capacitor has a 65pF to 260pF.
> 11"x3.75"x3.75",20 sets of 3"OD rotor
> I produce this blades using a CNC machine.
>
> BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP
>
> I have available for ham radio
>
>
> 3" OD ROTOR + 2 STATOR PLATES $ 5.00
> 4" OD ROTOR + 2 STATOR PLATES $ 6.50
> 5" OD ROTOR + 2 STATOR PLATES $ 7.75
> 6" OD ROTOR + 2 STATOR PLATES $ 8.75
> 8" OD ROTOR + 2 STATOR PLATES $ 10.50
> 10" OD ROTOR + 2 STATOR PLATES $ 14.00

>
>
>
>
> 73 de VA6POP
> yo5bzz(at)gmail.com
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4259 / Virus Database: 3658/6996 - Release Date: 01/12/14
>
>
>

30902. RE: [ham-antennas] Re: Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 12:50:15 UTC
From: Richard Schmuke
Topic: 30856 Message: 30902

I have made fan dipoles. Cut the lowest frequency first, from that point on all the higher frequencies will interact depending on the spacing to the lower frequency wire. Longest wire first and work your way up. Here is a picture of my 5 band dipole. I used 14ga copperweld for the 80M wire and regular copper for rest of them and it has held up thru several ice storms.

http://s1102.photobucket.com/user/KD0ZZ/media/DSC00947.jpg.html

F/B on the coax balun. The important measurement is make sure the coax reaches from the antenna to the radio, HIHI. If you were trying to adjust a coax length for some reason all the different frequencies would make that almost impossible.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott
Sent: Sunday, January 12, 2014 10:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Coax Feed

I have a fan dipole fed with 100 ft of coax that I didn't cut because I was finalizing the details of the structure of the support system. Now I am ready to cut it, but:
1. do you calculate the 1/4 wavelength for the lowest or highest frequency?
2. I have a balun made from 18 turns of the coax--do I include that in the overall measurement?

I just want to follow the old axiom "measure twice, cut once".

73, Scott XE1/AA0AA

Sent from Scott's iPad

[Non-text portions of this message have been removed]

30903. Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC LOOP ANTENNA VA6POP

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 13:35:18 UTC
From: David Cole
Topic: 30885 Message: 30903

Bad quote on my part!
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-01-12 at 21:25 -0600, Michael D Earls wrote:
>
>
> Am I missing something? All of the ads were posted by someone else.
>
> Why are you blaming Bob?
>
> I can build for u any air variable capacitors
> 73 de VA6POP
> yo5bzz(at)gmail.com
>
>
>
>
>
> Mike Earls
>
> AF5MS
>
> TSRA Life Member
>
> NRA Benefactor Member
>
>
>
>
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of David Cole
> Sent: Sunday, January 12, 2014 8:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] BUTTERFLY CAPACITOR FOR YOURS MAGNETIC
> LOOP ANTENNA VA6POP

>
>
>
>
>
>
> Hi Bob,
>
> Not trying to start a fight here-- but out of curiosity, why would you
> post an advertisement here, then not answer email sent to the address
> from which that advertisement was sent, and then later when someone
> comments on your not answering, post a comment saying "not
> surprising",
> indicating that no one should be surprised you are ignoring the
> address
> from which you sent the advertisement in the first place?
>
> I would think it surprising that you would not answer the address from
> which you posted...
>
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
> On Sun, 2014-01-12 at 18:18 -0800, leschyna@... wrote:
> >
> >
> > Not surprising. If you need help, contact me directly. I am the
> owner
> > of Monarch Capacitors, the original offering for magnetic loops
> etc.
> >
> >
> > Thank you and 73
> >
> >
> > Bob VE3UK Good in QRZ
>
>
>
>
>

30904. Antennas update

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 14:01:10 UTC
From: Keith Heimbold
Topic: 30856 Message: 30904

It was an antenna weekend and my wife and son were cool for letting me do a little antenna work.

I built a homebrew K9AY receive antenna using 85' of stranded 14 gauge wire I had lying around along with a W0BTU transformer with enclosure I bought for a failed beverage antenna project (in the canyon project), and a couple 1k ohm resistors in parallel I had from that failed experiment. I have it mounted on my MFJ pole to the corner of my gazebo and I grounded it to my chain linked fence with a connected ground strap and also a second solid 12 gauge wire. All I can say is wow! It works! Some signals are one to two S units stronger in direction it is pointed but more importantly background noise levels are 1-2 S units lower. Readability of signals is so much better with lower noise. It really is a bit of a miracle antenna and I am still on shock it works that well.

On Sunday I installed my new to me Mosley Pro 57B. I would call it 80% completed. Tests were all fine though 10m is a little low in the band dips at 28.050 MHz. Nevertheless I won't mess with that. I am starting to focus on CW so I will keep it there. I posted a picture of me working on it yesterday on qrz. Once I finish a couple tweaks I will push up the mast to final position and install the rotator. So stoked to have 10m&12m back. I now have antennas for 160m to 6m for all bands but 60m.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 13, 2014, at 4:50 AM, "Richard Schmuke" <rdj@wildblue.net> wrote:
>
> I have made fan dipoles. Cut the lowest frequency first, from that point on
> all the higher frequencies will interact depending on the spacing to the
> lower frequency wire. Longest wire first and work your way up. Here is a
> picture of my 5 band dipole. I used 14ga copperweld for the 80M wire and
> regular copper for rest of them and it has held up thru several ice storms.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/DSC00947.jpg.html
>
> F/B on the coax balun. The important measurement is make sure the coax
> reaches from the antenna to the radio, HIHI. If you were trying to adjust a
> coax length for some reason all the different frequencies would make that
> almost impossible.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
> Behalf Of Scott
> Sent: Sunday, January 12, 2014 10:29 PM
> To: ham-antennas@yahoogroups.com

> Subject: [ham-antennas] Re: Coax Feed
>
> I have a fan dipole fed with 100 ft of coax that I didn't cut because I was
> finalizing the details of the structure of the support system. Now I am
> ready to cut it, but:
> 1. do you calculate the 1/4 wavelength for the lowest or highest frequency?
> 2. I have a balun made from 18 turns of the coax--do I include that in the
> overall measurement?
>
> I just want to follow the old axiom "measure twice, cut once".
>
> 73, Scott XE1/AA0AA
>
> Sent from Scott's iPad
>
> [Non-text portions of this message have been removed]
>
>

30905. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 14:01:54 UTC
From: Artek Manuals
Topic: 30860 Message: 30905

Digging holes in the flat lands of Az is definitely a challenge, I used to live up the road from you in Mesa

I took out an old (and disfigured) 40' tall Eucalyptus tree and replaced it with a large Olive tree. I paid somebody to remove the Eucalyptus and then proceeded to dig a 3' deep hole for the Olive....Should have done it the other way around (i.e take down the Eucalyptus myself and pay someone to dig the hole). To close to the house to use dynamite and the XYL was to paranoid about even allowing a pneumatic jack hammer that close to the house (lots and lots of glass) , I ended up using a masonry drill to drill holes in the caliche and then broke it up with with a star chisel and a sledge hammer...took me a week to dig a 3' diameter, 3' deep hole for the olive :-(

Dave

On 1/12/2014 11:27 PM, Joe - W7RKN wrote:
>
> Not something you can in Tucson, Arizona, what with all the caliche
> there..I grew up in Tucson, and my step dad wanted to plant some trees
> around the house he built in the Catalina Foothills, North of
> Tucson...they had to use dynamite to blow holes through the stuff.
> Exciting day for a 10 year old boy..KABOOM! Better'n the 4th of July!
> Joe - W7RKN
>
> ----- Original Message -----
> *From:* Adrian Flynn <mailto:ADRIANJAMESFLYNN@...>
> *Subject:* Re: [ham-antennas] Horrible RF noise problem
>
> Hi Dean,
>
> One trick you can try that I used with great success is to run a
> PVC pipe(start 2' from top fill cap to *drill 1/16"* or smaller
> holes down the side that will be facing the ground rod staggered
> off the center line about 1/2" about every 3")
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30906. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 14:35:12 UTC
From: Adrian Flynn
Topic: 30860 Message: 30906

Dave,

LOL, I graduated from Mesa in 1964 "Old Mesa High 2nd Ave and Center then saw it buring to the ground from a 727 returning to Phoenix after asking my classmate to marry me" so I had a lot of experience digging in that junk. Best way was to start a hole fill it with water, then next day dig it out refill and go back 24 later and take out another 6" or so until you get down about 2 feet then it would go faster unless you had dynamite or a jackhammer something a teen doesn't have.
We did have access to some alligators that year though. [?]

Adrian KF7DYU

On Mon, Jan 13, 2014 at 9:01 AM, Artek Manuals <nr1dx@...> wrote:

>
>
> Digging holes in the flat lands of Az is definitely a challenge, I used to
> live up the road from you in Mesa
>
> I took out an old (and disfigured) 40' tall Eucalyptus tree and replaced
> it with a large Olive tree. I paid somebody to remove the Eucalyptus and
> then proceeded to dig a 3' deep hole for the Olive....Should have done it
> the other way around (i.e take down the Eucalyptus myself and pay someone
> to dig the hole). To close to the house to use dynamite and the XYL was to
> paranoid about even allowing a pneumatic jack hammer that close to the
> house (lots and lots of glass) , I ended up using a masonry drill to drill
> holes in the caliche and then broke it up with with a star chisel and a
> sledge hammer...took me a week to dig a 3' diameter, 3' deep hole for the
> olive :-(
>
> Dave
>
>
>
>
> On 1/12/2014 11:27 PM, Joe - W7RKN wrote:
>
>
>
> Not something you can in Tucson, Arizona, what with all the caliche
> there..I grew up in Tucson, and my step dad wanted to plant some trees
> around the house he built in the Catalina Foothills, North of Tucson...they
> had to use dynamite to blow holes through the stuff. Exciting day for a 10
> year old boy..KABOOM! Better'n the 4th of July!
>

> Joe - W7RKN
>
> ----- Original Message -----
> *From:* Adrian Flynn <ADRIANJAMESFLYNN@...>
> *Subject:* Re: [ham-antennas] Horrible RF noise problem
>
> Hi Dean,
>
> One trick you can try that I used with great success is to run a PVC
> pipe(start 2' from top fill cap to *drill 1/16"* or smaller holes down
> the side that will be facing the ground rod staggered off the center line
> about 1/2" about every 3")
>
>
>
> --
> DaveManuals@ArtekManuals.comwww.ArtekManuals.com
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

[Non-text portions of this message have been removed]

30907. Re: Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 15:43:03 UTC
From: Dave Rickmers
Topic: 30860 Message: 30907

There's a QEX from a while back where the author made an SMPS whisper quiet. There is a good discussion of common and differential modes, ferrite, capacitors, etc. The principles should apply to any noise generator on the mains. Dave kd6il

30908. AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 16:40:32 UTC
From: siegfried jackstien
Topic: 30860 Message: 30908

Yes the container can act as a faraday cage ...

But you have to add copper mesh to the ventilation holes maybe

(try the filters first ... maybe you can forget about that copper mesh)

You have to use filters on the solar and power line wires (input and output filtered that nothing can come out on either side of you private power plant)

Corcom makes very nice filters for single phase or three phase nets ... you should buy some good 100amps filters from them

60 db damping and more is possible from 100kc up to 100 megs

I would add filtering on solar plus and minus (yes on both ... just to be safe)

And also on the power line to your house ... maybe another one at the house entrance ... then it should ne quiet like in a church :-)

You can then additionally add a smaller filter in your "fuse box" after the fuse to your shack (so shack is additionally filtered) ... maybe 10 or 20 amps (depends on house wiring)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dean
> Gesendet: Montag, 13. Januar 2014 00:07
> An: ham-antennas@yahoogroups.com
> Cc: Kenneth G. Gordon
> Betreff: Re: [ham-antennas] Horrible RF noise problem
>
>
>
> Ken,
>
> When you say "bottle up the noise", are you essentially referring to a
> Faraday cage? And can't my entire 40 foot container serve as a Faraday
> cage?
>
> 73, Dean
> CA1JDM
>

>
>
> On 1/12/2014 2:21 PM, Kenneth G. Gordon wrote:
>
>
>
>
> On 12 Jan 2014 at 13:37, enkitec@... wrote:
>
> >
> > Dean,
> >
> > 1) Try leaving the inverter running but with the output wires
> > disconnected.
> > 2) Is the container itself connected to the ground?
> >
> > 73,
> > Mark Jordan PY3SS
>
> Mark, and all:
>
> From Dean's description, I believe his ground system is not
> effective. At this
> point I am not sure what can be done about it either.
>
> Secondly, I also believe there are two ways to attack his problem.
> both of
> which have been covered pretty well here: 1) bottle up the noise
> inside an
> RF-tight box, 2) attack the source of the noise by looking closely
> at the circuit
> and any possible defects with it.
>
> As Dave also mentioned, the solution to Dean's problem is NOT going
> to be
> easy, but I am also sure it can be overcome, given enough time and
> energy.
>
> Ken W7EKB
>
>
>
>

30909. AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 16:41:48 UTC
From: siegfried jackstien
Topic: 30860 Message: 30909

Instead of talking about that ground and how to dig a hole in it ... we should talk about how to get rid of that noise

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Adrian Flynn
> Gesendet: Montag, 13. Januar 2014 14:35
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Horrible RF noise problem
>
> Dave,
>
> LOL, I graduated from Mesa in 1964 "Old Mesa High 2nd Ave and Center then
> saw it buring to the ground from a 727 returning to Phoenix after asking
> my
> classmate to marry me" so I had a lot of experience digging in that junk.
> Best way was to start a hole fill it with water, then next day dig it out
> refill and go back 24 later and take out another 6" or so until you get
> down about 2 feet then it would go faster unless you had dynamite or a
> jackhammer something a teen doesn't have.
> We did have access to some alligators that year though. [?]
>
> Adrian KF7DYU
>
>
> On Mon, Jan 13, 2014 at 9:01 AM, Artek Manuals <nr1dx@...> wrote:
>
> >
> >
> > Digging holes in the flat lands of Az is definitely a challenge, I used
> to
> > live up the road from you in Mesa
> >
> > I took out an old (and disfigured) 40' tall Eucalyptus tree and
> replaced
> > it with a large Olive tree. I paid somebody to remove the Eucalyptus and
> > then proceeded to dig a 3' deep hole for the Olive....Should have done
> it
> > the other way around (i.e take down the Eucalyptus myself and pay
> someone
> > to dig the hole). To close to the house to use dynamite and the XYL was
> to

> > paranoid about even allowing a pneumatic jack hammer that close to the
> > house (lots and lots of glass) , I ended up using a masonry drill to
> drill
> > holes in the caliche and then broke it up with with a star chisel and a
> > sledge hammer...took me a week to dig a 3' diameter, 3' deep hole for
> the
> > olive :-(
> >
> > Dave
> >
> >
> >
> >
> > On 1/12/2014 11:27 PM, Joe - W7RKN wrote:
> >
> >
> >
> > Not something you can in Tucson, Arizona, what with all the caliche
> > there..I grew up in Tucson, and my step dad wanted to plant some trees
> > around the house he built in the Catalina Foothills, North of
> Tucson...they
> > had to use dynamite to blow holes through the stuff. Exciting day for a
> 10
> > year old boy..KABOOM! Better'n the 4th of July!
> >
> > Joe - W7RKN
> >
> > ----- Original Message -----
> > *From:* Adrian Flynn <ADRIANJAMESFLYNN@...>
> > *Subject:* Re: [ham-antennas] Horrible RF noise problem
> >
> > Hi Dean,
> >
> > One trick you can try that I used with great success is to run a PVC
> > pipe(start 2' from top fill cap to *drill 1/16"* or smaller holes down
> > the side that will be facing the ground rod staggered off the center
> line
> > about 1/2" about every 3")
> >
> >
> >
> > --
> > DaveManuals@...
> >
> >
> >
> > ----------
> > <http://www.avast.com/>
> >
> > This email is free from viruses and malware because avast!

> Antivirus<http://www.avast.com/>protection is active.
> >
> >
> >
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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>
>

30910. AW: [ham-antennas] Antennas update

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 16:50:44 UTC
From: siegfried jackstien
Topic: 30856 Message: 30910

> On Sunday I installed my new to me Mosley Pro 57B. I would call it 80%
> completed. Tests were all fine though 10m is a little low in the band dips
> at 28.050 MHz. Nevertheless I won't mess with that. I am starting to focus
> on CW so I will keep it there. I posted a picture of me working on it
> yesterday on qrz. Once I finish a couple tweaks I will push up the mast to
> final position and install the rotator. So stoked to have 10m&12m back. I
> now have antennas for 160m to 6m for all bands but 60m.

At what height did you measure the mosley??

If low to ground that may be a reason for that low resonance

Dg9bfc

Sigi

30911. windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:01:34 UTC
From: Robert Moss
Topic: 30911 Message: 30911

I am attempting to put up my 80-10 meter Carolina Windom in a small amount of space and have a question about what the best configuration would be. I have two trees about 50 ft tall that are approx. 90 apart. The antenna is 132 feet long and I want to support as much of the antenna as possible between these two tallish trees. My question is what the best arrangement is for the remaining 42 feet of wire (132 - 90 = 42) that will have to bend in some direction.

1) Should I let the end portions of the wires hang down vertically parallel to (but away from) the tree trunks?

2) Should I keep the end portions of the wire horizontal and bend them toward another support like a tree or the house.

I've got a window of 2-3 days with milder temperatures to get the antenna up and I hope somebody can head me in the right direction before the thermometer begins to plummet.

Many thanks!

73, Bob W1RAM

30912. RE: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:06:55 UTC
From: Billy McFarland
Topic: 30911 Message: 30912

Hi bob,

I would go with option two. Bend the elements and guy off at the same height if possible. I would go away from the idea if bending the elects towards the ground.

73 de GM0OBX billy

30913. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:12:34 UTC
From: Joe - W7RKN
Topic: 30860 Message: 30913

I suspect that is what they are doing....suggestions for getting grounds into a dry ground to *create* a good ground, to possibly control the high RF noise problem...It *was* mentioned that extremely dry areas, like deserts, present 'issues' in providing good grounds.....so digging IS a good topic, that should not be curtailed.

Joe - W7RKN

----- Original Message -----
From: "siegfried jackstien" <siegfried.jackstien@...>
Subject: AW: [ham-antennas] Horrible RF noise problem

Instead of talking about that ground and how to dig a hole in it ... we should talk about how to get rid of that noise

30914. Re: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:17:23 UTC
From: Joe - W7RKN
Topic: 30911 Message: 30914

My thought would be to 'slope' the 'leftover' wire..making sure to tie it off with dacron rope or similar, so the antenna does not attach directly to the fence or house, or what ever it will be attached to. Should work just fine.....

I run a Carolina that I have on 16 foot 2x2 redwood poles, going around my back yard fence...it looks like a big U from above...works great.....As your will have a goodly portion up 50 feet, yours will perform even better than mine!

Joe - W7RKN

----- Original Message -----
From: "Robert Moss" <W1RAM@...>
Subject: [ham-antennas] windom antenna help

>I am attempting to put up my 80-10 meter Carolina Windom in a small amount
>of space and have a question about what the best configuration would be. I
>have two trees about 50 ft tall that are approx. 90 apart. The antenna is
>132 feet long and I want to support as much of the antenna as possible
>between these two tallish trees. My question is what the best arrangement
>is for the remaining 42 feet of wire (132 - 90 = 42) that will have to bend
>in some direction.

30915. AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:23:32 UTC
From: siegfried jackstien
Topic: 30860 Message: 30915

That good ground will not help if the rf noise travels out of the container
along the power line or solar lines

So first of all you need filtering ...

The filters have to be grounded ... so yes you need a good ground ...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe - W7RKN
> Gesendet: Montag, 13. Januar 2014 17:13
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Horrible RF noise problem
>
>
>
> I suspect that is what they are doing....suggestions for getting grounds
> into a dry ground to *create* a good ground, to possibly control the high
> RF
> noise problem...It *was* mentioned that extremely dry areas, like deserts,
> present 'issues' in providing good grounds.....so digging IS a good topic,
> that should not be curtailed.
>
> Joe - W7RKN
>
> ----- Original Message -----
> From: "siegfried jackstien" <siegfried.jackstien@freenet.de>
> Subject: AW: [ham-antennas] Horrible RF noise problem
>
> Instead of talking about that ground and how to dig a hole in it ... we
> should talk about how to get rid of that noise
>
>
>
>

30916. AW: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:26:33 UTC
From: siegfried jackstien
Topic: 30911 Message: 30916

The antenna will have alonger and a shorter end

Pull your balun in one of the trees and the end in the other tree

Tie the shorter end to another tree (if available) or the house or ....

Should work well

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Robert Moss
> Gesendet: Montag, 13. Januar 2014 17:02
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] windom antenna help
>
>
>
> I am attempting to put up my 80-10 meter Carolina Windom in a small amount
> of space and have a question about what the best configuration would be. I
> have two trees about 50 ft tall that are approx. 90 apart. The antenna is
> 132 feet long and I want to support as much of the antenna as possible
> between these two tallish trees. My question is what the best arrangement
> is for the remaining 42 feet of wire (132 - 90 = 42) that will have to
> bend in some direction.
>
> 1) Should I let the end portions of the wires hang down vertically
> parallel to (but away from) the tree trunks?
>
> 2) Should I keep the end portions of the wire horizontal and bend them
> toward another support like a tree or the house.
>
> I've got a window of 2-3 days with milder temperatures to get the antenna
> up and I hope somebody can head me in the right direction before the
> thermometer begins to plummet.
>
> Many thanks!
>
> 73, Bob W1RAM
>
>

30917. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:42:24 UTC
From: Kenneth G. Gordon
Topic: 30860 Message: 30917

On 13 Jan 2014 at 17:23, siegfried jackstien wrote:

> That good ground will not help if the rf noise travels out of the container
> along the power line or solar lines
>
> So first of all you need filtering ...
>
> The filters have to be grounded ... so yes you need a good ground ...
>
> Dg9bfc
>
> Sigi

Good, on ya, Sigi.

You said in far fewer words than I the same thing I have been trying
to say for days.

Good man.

Ken W7EKB

30918. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 17:57:05 UTC
From: Bill Blomgren (kk4qdz)
Topic: 30860 Message: 30918

You *can* generate a capacitive coupling to earth with a bunch of radials that go out extended distances.. along with several *long* ground rods...

In Florida, a great ground was only a few feet away. Despite that, radio stations typically had 120 radials going out at least as far as the tower was tall.... The best ground were salt marsh areas where you could get the ground into a nice soggy, somewhat salty moist ground...but for stations where there was no water close to the surface, simply having tons of coupling worked well. (in many cases a 100-300 square foot of copper chickenwire, with the radials welded to it periodically, all the way to the ground point for the towers.) - If at first you don't succeed with one ground rod, grow the ground.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

_____
From: Joe - W7RKN <w7rkn.7@gmail.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, January 13, 2014 12:12 PM
Subject: Re: [ham-antennas] Horrible RF noise problem

I suspect that is what they are doing....suggestions for getting grounds
into a dry ground to *create* a good ground, to possibly control the high RF
noise problem...It *was* mentioned that extremely dry areas, like deserts,
present 'issues' in providing good grounds.....so digging IS a good topic,
that should not be curtailed.

Joe - W7RKN

----- Original Message -----
From: "siegfried jackstien" <siegfried.jackstien@...>
Subject: AW: [ham-antennas] Horrible RF noise problem

Instead of talking about that ground and how to dig a hole in it ... we
should talk about how to get rid of that noise

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http://info.yahoo.com/legal/us/yahoo/utos/terms/

30919. Re: AW: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:12:20 UTC
From: Robert Moss
Topic: 30911 Message: 30919

Sigi, in other words, the antenna will form a "V" with the wires 90 degrees apart?

Sent from my iPhone

> On Jan 13, 2014, at 12:26 PM, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> The antenna will have alonger and a shorter end
>
> Pull your balun in one of the trees and the end in the other tree
>
> Tie the shorter end to another tree (if available) or the house or ....
>
> Should work well
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Robert Moss
> > Gesendet: Montag, 13. Januar 2014 17:02
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] windom antenna help
> >
> >
> >
> > I am attempting to put up my 80-10 meter Carolina Windom in a small amount
> > of space and have a question about what the best configuration would be. I
> > have two trees about 50 ft tall that are approx. 90 apart. The antenna is
> > 132 feet long and I want to support as much of the antenna as possible
> > between these two tallish trees. My question is what the best arrangement
> > is for the remaining 42 feet of wire (132 - 90 = 42) that will have to
> > bend in some direction.
> >
> > 1) Should I let the end portions of the wires hang down vertically
> > parallel to (but away from) the tree trunks?
> >
> > 2) Should I keep the end portions of the wire horizontal and bend them
> > toward another support like a tree or the house.
> >
> > I've got a window of 2-3 days with milder temperatures to get the antenna
> > up and I hope somebody can head me in the right direction before the
> > thermometer begins to plummet.
> >

> > Many thanks!
> >
> > 73, Bob W1RAM
> >
> >
>
>

30920. Re: AW: [ham-antennas] Antennas update

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:12:30 UTC
From: Keith Heimbold
Topic: 30856 Message: 30920

Initial measurements are at approximately 25'. Once I finish tweaking the antenna it will be at final height of 35'. I am completely cool with the swr currently. If it improves or changes slightly up band great. If it decides to move down band as I raise it I might have an issue. My plan is to use this antenna primarily for 15,12 &10. It is also a great match on 6m which means nothing from a pattern and gain perspective but probably gives me another listening antenna to use when I am pointed in the opposite direction with my innovantenna six element OP DES. For what I paid for the pro 57b, almost free it is going to be perfect for my needs.

There is a pic on my qrz that shows you where the antenna is mounted currently.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jan 13, 2014, at 8:53 AM, "siegfried jackstien" <siegfried.jackstien@freenet.de> wrote:
>
> > On Sunday I installed my new to me Mosley Pro 57B. I would call it 80%
> > completed. Tests were all fine though 10m is a little low in the band dips
> > at 28.050 MHz. Nevertheless I won't mess with that. I am starting to focus
> > on CW so I will keep it there. I posted a picture of me working on it
> > yesterday on qrz. Once I finish a couple tweaks I will push up the mast to
> > final position and install the rotator. So stoked to have 10m&12m back. I
> > now have antennas for 160m to 6m for all bands but 60m.
>
> At what height did you measure the mosley??
>
> If low to ground that may be a reason for that low resonance
>
> Dg9bfc
>
> Sigi
>
>

30921. Re: AW: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:16:23 UTC
From: Billy McFarland
Topic: 30911 Message: 30921

Yes the balun at a tree with the long element hung out like a dipole. The other smaller section tied out to another tree or house this would be slopping I would imagine. So from a birds eye view it would look like an L shape

73 de GM0OBX billy

30922. Re: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:19:37 UTC
From: Robert Moss
Topic: 30911 Message: 30922

Joe, that's good to know. Bending the wires does not seem to be a problem. If I had a choice between dropping the end down like an inverted V or keeping it horizontal and going to another tree, Which would you favor?

Bob W1RAM

Sent from my iPhone

> On Jan 13, 2014, at 12:17 PM, Joe - W7RKN <w7rkn.7@...> wrote:
>
> My thought would be to 'slope' the 'leftover' wire..making sure to tie it
> off with dacron rope or similar, so the antenna does not attach directly to
> the fence or house, or what ever it will be attached to. Should work just
> fine.....
>
> I run a Carolina that I have on 16 foot 2x2 redwood poles, going around my
> back yard fence...it looks like a big U from above...works great.....As
> your will have a goodly portion up 50 feet, yours will perform even better
> than mine!
>
> Joe - W7RKN
>
> ----- Original Message -----
> From: "Robert Moss" <W1RAM@comcast.net>
> Subject: [ham-antennas] windom antenna help
>
> >I am attempting to put up my 80-10 meter Carolina Windom in a small amount
> >of space and have a question about what the best configuration would be. I
> >have two trees about 50 ft tall that are approx. 90 apart. The antenna is
> >132 feet long and I want to support as much of the antenna as possible
> >between these two tallish trees. My question is what the best arrangement
> >is for the remaining 42 feet of wire (132 - 90 = 42) that will have to bend
> >in some direction.
>
>

30923. Re: AW: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:23:02 UTC
From: Robert Moss
Topic: 30911 Message: 30923

Billy, everyone seems in agreement with your L shaped configuration. Thanks!

Bob W1RAM

Sent from my iPhone

> On Jan 13, 2014, at 1:16 PM, Billy McFarland <gm0obx@...> wrote:
>
>
> Yes the balun at a tree with the long element hung out like a dipole. The other smaller section tied out to another tree or house this would be slopping I would imagine. So from a birds eye view it would look like an L shape
>
> 73 de GM0OBX billy
>
>
> From: Robert Moss <W1RAM@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: AW: [ham-antennas] windom antenna help
> Sent: Mon, Jan 13, 2014 6:12:20 PM
>
>
> Sigi, in other words, the antenna will form a "V" with the wires 90 degrees apart?
>
> Sent from my iPhone
>
>> On Jan 13, 2014, at 12:26 PM, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>>
>>
>> The antenna will have alonger and a shorter end
>>
>> Pull your balun in one of the trees and the end in the other tree
>>
>> Tie the shorter end to another tree (if available) or the house or ....
>>
>> Should work well
>>
>> Dg9bfc
>>
>> Sigi
>>
>> > -----Ursprüngliche Nachricht-----
>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> > Auftrag von Robert Moss
>> > Gesendet: Montag, 13. Januar 2014 17:02
>> > An: ham-antennas@yahoogroups.com

>> > Betreff: [ham-antennas] windom antenna help
>> >
>> >
>> >
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>> > up and I hope somebody can head me in the right direction before the
>> > thermometer begins to plummet.
>> >
>> > Many thanks!
>> >
>> > 73, Bob W1RAM
>> >
>> >
>
>

30924. Re: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 18:24:08 UTC
From: Billy McFarland
Topic: 30911 Message: 30924

Horizontal for me as high as possible. Even if the smaller side is slopping a little that's fine. Bending the elements at 90 degrees to each other at the ends doesn't effect the antenna that much but for the window the longer element look at that to be the part doing all the work so sigi suggestion would be better if you can accommodate it at your qth.

73 de GM0OBX billy

30925. Re: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 19:29:15 UTC
From: Robert Moss
Topic: 30911 Message: 30925

Billy

My longer wire would run in a North - South direction whereas the shorter one will be East - West. When you say that the longer wire will be "doing all the work," I think you're saying that the longer wire will be radiating essentially broadside to the wire on the lower frequencies and will develop multiple lobes, some of which will be more off the end of the wire. The shorter wire radiates in directions that are different from the longer wire and may produce either nulls in my antenna's pattern or actually make the antenna more omnidirectional, depending on the band. Does this sound right to you?

Radiation broadside to North - South seems a good arrangement for me. I'm located north of Boston very very close to salt water and beaming due west from here most of the the USA but with a slight detriment right down the east coast toward Florida.

I appreciate all the help you're giving me!

Bob W1RAM

On Jan 13, 2014, at 1:24 PM, Billy McFarland wrote:

> Horizontal for me as high as possible. Even if the smaller side is slopping a little that's fine. Bending the elements at 90 degrees to each other at the ends doesn't effect the antenna that much but for the window the longer element look at that to be the part doing all the work so sigi suggestion would be better if you can accommodate it at your qth.
>
> 73 de GM0OBX billy
>
>
> From: Robert Moss <W1RAM@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] windom antenna help
> Sent: Mon, Jan 13, 2014 6:19:37 PM
>
>
>
> Joe, that's good to know. Bending the wires does not seem to be a problem. If I had a choice between dropping the end down like an inverted V or keeping it horizontal and going to another tree, Which would you favor?
>
> Bob W1RAM
>
> Sent from my iPhone
>
> On Jan 13, 2014, at 12:17 PM, Joe - W7RKN <w7rkn.7@...> wrote:
>

>>
>> My thought would be to 'slope' the 'leftover' wire..making sure to tie it
>> off with dacron rope or similar, so the antenna does not attach directly to
>> the fence or house, or what ever it will be attached to. Should work just
>> fine.....
>>
>> I run a Carolina that I have on 16 foot 2x2 redwood poles, going around my
>> back yard fence...it looks like a big U from above...works great.....As
>> your will have a goodly portion up 50 feet, yours will perform even better
>> than mine!
>>
>> Joe - W7RKN
>>
>> ----- Original Message -----
>> From: "Robert Moss" <W1RAM@...>
>> Subject: [ham-antennas] windom antenna help
>>
>> >I am attempting to put up my 80-10 meter Carolina Windom in a small amount
>> >of space and have a question about what the best configuration would be. I
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>> >132 feet long and I want to support as much of the antenna as possible
>> >between these two tallish trees. My question is what the best arrangement
>> >is for the remaining 42 feet of wire (132 - 90 = 42) that will have to bend
>> >in some direction.
>>
>
>
>

30926. Re: [ham-antennas] windom antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 19:52:59 UTC
From: Billy McFarland
Topic: 30911 Message: 30926

Bob that sounds right to me. The longer element north to south radiating east to west. The shorter element if it's at 90 degrees to the radiator will radiate north to south so would effect the longer radiator to a degree. Maybe you could put the shorter radiator more of 45 degrees rather than 90 degrees or so.

Trial and error I think Bob

73 de GM0OBX billy

30927. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-13 21:16:52 UTC
From: Will
Topic: 30860 Message: 30927

My tuppence worth,

Can you put a decent "earth wire between container and house? If you already have an earth beside phase and neutral, how big is it? Just regulation size?

I'm thinking a piece of the copper strap as used as lightning conductor. i.e. about 2 inches wide by 1/8 thick.

That would put both house and container 'earths' at same potential. Wouldn't need to worry too much about the actual ground any longer.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Bill Blomgren \(kk4qdz\)
> Sent: 01/14/14 06:57 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Horrible RF noise problem
>
> You *can* generate a capacitive coupling to earth with a bunch of radials that go out extended distances.. along with several *long* ground rods...
>
> In Florida, a great ground was only a few feet away. Despite that, radio stations typically had 120 radials going out at least as far as the tower was tall.... The best ground were salt marsh areas where you could get the ground into a nice soggy, somewhat salty moist ground...but for stations where there was no water close to the surface, simply having tons of coupling worked well. (in many cases a 100-300 square foot of copper chickenwire, with the radials welded to it periodically, all the way to the ground point for the towers.) - If at first you don't succeed with one ground rod, grow the ground.
>
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
>
> _____
> From: Joe - W7RKN <w7rkn.7@...>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, January 13, 2014 12:12 PM
> Subject: Re: [ham-antennas] Horrible RF noise problem
>
>
> I suspect that is what they are doing....suggestions for getting grounds
> into a dry ground to *create* a good ground, to possibly control the high RF
> noise problem...It *was* mentioned that extremely dry areas, like deserts,

> present 'issues' in providing good grounds.....so digging IS a good topic,
> that should not be curtailed.
>
> Joe - W7RKN
>
> ----- Original Message -----
> From: "siegfried jackstien" <siegfried.jackstien@...>
> Subject: AW: [ham-antennas] Horrible RF noise problem
>
>
> Instead of talking about that ground and how to dig a hole in it ... we
> should talk about how to get rid of that noise
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>   http://info.yahoo.com/legal/us/yahoo/utos/terms/

30928. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 07:49:51 UTC
From: Adrian Flynn
Topic: 30860 Message: 30928

Thanks Joe,
I am glad some people under stand English and what can happen in desert areas.
Not all of the world has WET soil.
73
Adrian KF7DYU

On Mon, Jan 13, 2014 at 12:12 PM, Joe - W7RKN <w7rkn.7@...> wrote:

>
>
> I suspect that is what they are doing....suggestions for getting grounds
> into a dry ground to *create* a good ground, to possibly control the high
> RF
> noise problem...It *was* mentioned that extremely dry areas, like deserts,
> present 'issues' in providing good grounds.....so digging IS a good topic,
> that should not be curtailed.
>
>
> Joe - W7RKN
>
> ----- Original Message -----
> From: "siegfried jackstien" <siegfried.jackstien@freenet.de>
> Subject: AW: [ham-antennas] Horrible RF noise problem
>
> Instead of talking about that ground and how to dig a hole in it ... we
> should talk about how to get rid of that noise
>
>
>

30929. Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 12:31:39 UTC
From: Billy McFarland
Topic: 30929 Message: 30929

All,

I'm thinking about constructing an antenna similar to the alpha 6160 it uses a 4:1 unun. I was wondering if anyone knows the exact total length and the length if the matching section (ie twin wire section)

Thanks in advance

73 de GM0OBX billy

30930. Re: AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 14:00:46 UTC
From: Dean
Topic: 30860 Message: 30930

Sigi,

And to all - thanks for all the suggestions. Do you suggest I build filters (which I know nothing about but I can build if given detailed instructions) or buy filters? And a sincere thanks to all who have made suggestions. Without other hams I would be nowhere!

73, Dean
CA1JDM

On 1/13/2014 1:41 PM, siegfried jackstien wrote:
>
> Instead of talking about that ground and how to dig a hole in it ... we
> should talk about how to get rid of that noise
>
> Dg9bfc
>
> Sigi
>
> > -----Urspr?ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Adrian Flynn
> > Gesendet: Montag, 13. Januar 2014 14:35
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Horrible RF noise problem
> >
> > Dave,
> >
> > LOL, I graduated from Mesa in 1964 "Old Mesa High 2nd Ave and Center
> then
> > saw it buring to the ground from a 727 returning to Phoenix after asking
> > my
> > classmate to marry me" so I had a lot of experience digging in that
> junk.
> > Best way was to start a hole fill it with water, then next day dig
> it out
> > refill and go back 24 later and take out another 6" or so until you get
> > down about 2 feet then it would go faster unless you had dynamite or a
> > jackhammer something a teen doesn't have.
> > We did have access to some alligators that year though. [?]
> >
> > Adrian KF7DYU
> >
> >
> > On Mon, Jan 13, 2014 at 9:01 AM, Artek Manuals <nr1dx@...> wrote:

> >
> > >
> > >
> > > Digging holes in the flat lands of Az is definitely a challenge, I
> used
> > to
> > > live up the road from you in Mesa
> > >
> > > I took out an old (and disfigured) 40' tall Eucalyptus tree and
> > replaced
> > > it with a large Olive tree. I paid somebody to remove the
> Eucalyptus and
> > > then proceeded to dig a 3' deep hole for the Olive....Should have done
> > it
> > > the other way around (i.e take down the Eucalyptus myself and pay
> > someone
> > > to dig the hole). To close to the house to use dynamite and the
> XYL was
> > to
> > > paranoid about even allowing a pneumatic jack hammer that close to the
> > > house (lots and lots of glass) , I ended up using a masonry drill to
> > drill
> > > holes in the caliche and then broke it up with with a star chisel
> and a
> > > sledge hammer...took me a week to dig a 3' diameter, 3' deep hole for
> > the
> > > olive :-(
> > >
> > > Dave
> > >
> > >
> > >
> > >
> > > On 1/12/2014 11:27 PM, Joe - W7RKN wrote:
> > >
> > >
> > >
> > > Not something you can in Tucson, Arizona, what with all the caliche
> > > there..I grew up in Tucson, and my step dad wanted to plant some trees
> > > around the house he built in the Catalina Foothills, North of
> > Tucson...they
> > > had to use dynamite to blow holes through the stuff. Exciting day
> for a
> > 10
> > > year old boy..KABOOM! Better'n the 4th of July!
> > >
> > > Joe - W7RKN
> > >
> > > ----- Original Message -----
> > > *From:* Adrian Flynn <ADRIANJAMESFLYNN@...>

> > > *Subject:* Re: [ham-antennas] Horrible RF noise problem
> > >
> > > Hi Dean,
> > >
> > > One trick you can try that I used with great success is to run a PVC
> > > pipe(start 2' from top fill cap to *drill 1/16"* or smaller holes
> down
> > > the side that will be facing the ground rod staggered off the center
> > line
> > > about 1/2" about every 3")
> > >
> > >
> > >
> > > --
> > > DaveManuals@...
> > >
> > >
> > >
> > > ----------
> > > <http://www.avast.com/>
> > >
> > > This email is free from viruses and malware because avast!
> > Antivirus<http://www.avast.com/>protection is active.
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> >
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> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo Groups Links
> >
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>
>

30931. Re: Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 14:06:48 UTC
From: Dave Rickmers
Topic: 30860 Message: 30931

Your RF ground doesn't need to be anywhere near the earth. Most antennas are asymmetric dipoles. If you raise your "radials" and feedpoint to "overhead" the requirement for radials drops 75%. If a "ground" conductor is longer than a quarter wave it behaves more like an antenna. Mains safety grounding, lightning safety grounding, RF grounding are 3 distinct systems. Code requires they have a DC bond to trip breakers and GFC Interrupters. Do not expect the Mains ground to help with RF, at all.

Chokes below the feedpoint are very helpful. Just some random off the top of my head. 73 de dave kd6il

30932. Re: AW: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 14:10:05 UTC
From: Geoff NW7GM
Topic: 30860 Message: 30932

Dean,

I don't think they are suggesting to you either way, they are merely giving you options. You should do what you think is appropriate for your comfort level (both in monetary and skill-wise).

Good luck in your persuit quieting down your radio enjoyment.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 14, 2014 6:00 AM, "Dean" <dean243@...> wrote:

>
>
> Sigi,
>
> And to all - thanks for all the suggestions. Do you suggest I build
> filters (which I know nothing about but I can build if given detailed
> instructions) or buy filters? And a sincere thanks to all who have made
> suggestions. Without other hams I would be nowhere!
>
> 73, Dean
> CA1JDM
>
> On 1/13/2014 1:41 PM, siegfried jackstien wrote:
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>
>
> Instead of talking about that ground and how to dig a hole in it ... we
> should talk about how to get rid of that noise
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com<ham-antennas@yahoogroups.com>]
> Im
> > Auftrag von Adrian Flynn
> > Gesendet: Montag, 13. Januar 2014 14:35
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Horrible RF noise problem
> >
> > Dave,

> >
> > LOL, I graduated from Mesa in 1964 "Old Mesa High 2nd Ave and Center then
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> > my
> > classmate to marry me" so I had a lot of experience digging in that junk.
> > Best way was to start a hole fill it with water, then next day dig it out
> > refill and go back 24 later and take out another 6" or so until you get
> > down about 2 feet then it would go faster unless you had dynamite or a
> > jackhammer something a teen doesn't have.
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> > Adrian KF7DYU
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> >
> > On Mon, Jan 13, 2014 at 9:01 AM, Artek Manuals <nr1dx@...><nr1dx@...>wrote:
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> > > the other way around (i.e take down the Eucalyptus myself and pay
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> > > to dig the hole). To close to the house to use dynamite and the XYL was
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> > > paranoid about even allowing a pneumatic jack hammer that close to the
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> > > holes in the caliche and then broke it up with with a star chisel and a
> > > sledge hammer...took me a week to dig a 3' diameter, 3' deep hole for
> > the
> > > olive :-(
> > >
> > > Dave
> > >
> > >
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> > >
> > > On 1/12/2014 11:27 PM, Joe - W7RKN wrote:
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> > > Not something you can in Tucson, Arizona, what with all the caliche

> > > there..I grew up in Tucson, and my step dad wanted to plant some trees
> > > around the house he built in the Catalina Foothills, North of
> > Tucson...they
> > > had to use dynamite to blow holes through the stuff. Exciting day for a
> > 10
> > > year old boy..KABOOM! Better'n the 4th of July!
> > >
> > > Joe - W7RKN
> > >
> > > ----- Original Message -----
> > > *From:* Adrian Flynn <ADRIANJAMESFLYNN@...><ADRIANJAMESFLYNN@...>
> > > *Subject:* Re: [ham-antennas] Horrible RF noise problem
> > >
> > > Hi Dean,
> > >
> > > One trick you can try that I used with great success is to run a PVC
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> > > about 1/2" about every 3")
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> > >
> > >
> > > --
> > > DaveManuals@...
> > >
> > >
> > >
> > > ------------------------------
> > > <http://www.avast.com/> <http://www.avast.com/>
> > >
> > > This email is free from viruses and malware because avast!
> > Antivirus<http://www.avast.com/> <http://www.avast.com/>protection is
> active.
> > >
> > >
> > >
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
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30933. Re: [ham-antennas] Horrible RF noise problem

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 16:14:35 UTC
From: Hop - AC8NS
Topic: 30860 Message: 30933

Dean,

I have read the useful suggestions others have made in this thread, but I haven't seen any real troubleshooting advice yet. You have isolated the woodpecker to the Chinese inverter, but you still need to run that sucker to ground (pun intended) to kill it. In the end you might have to put a copper screen-wire Faraday cage around the entire inverter and filter every line into and out of the cage.

My troubleshooting suggestion is to use your FT-857D (powered from a small 12V battery) as a portable hand-held RF "sniffer" to find out where you need to apply line filters and/or copper screen Faraday-cage shielding. Use a stubby untuned antenna, perhaps a "rubber ducky" whip or just a short length of wire (maybe a small loop) soldered to a PL-259 antenna connector. The idea is to cut receiver sensitivity down enough to allow you to explore the "near field" of the interference without overloading the front end of the receiver. With the inverter operating, tune to a band that provides a clearly audible "woodpecker" interference signal and explore to see where it is radiating from. Then start adding filters. I would opt for commercial filters with published attenuation specifications.

As a last resort, you can probably successfully build your own Faraday cage, but pay attention to well-soldered joints at the edges. As a first resort, if you have really deep pockets, small sheilded rooms (Faraday cages) with solid double-layered walls are commercially available for assembly on site, complete with RF-gasketed door, RF filtered ventilation ducts, and line filters. I worked in one of these forty years ago, a cube about ten feet on a side erected in our electronics lab for metrology work. I can testify that NOTHING gets in or out from DC to light with the door closed. Well, light does make it through the RF honeycomb ventilation ducts, but it is like looking through a kaleidoscope. And very nicely filtered sinusoidal 60 Hz AC line power came in through the power-line filters too. Other than that, very quiet in there.

Good luck on solving your problem!

73 de AC8NS
Hop

30934. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:15:44 UTC
From: Robert Moss
Topic: 30929 Message: 30934

Has anybody used an Alpha 6160 antenna or one of a similar design? Does this antenna design actually radiate well on a number of bands? Or is low SWR its main claim to fame? I note that it has relatively few reviews on QRZ.com.

Bob W1RAM

On Jan 14, 2014, at 7:31 AM, Billy McFarland wrote:

> All,
>
> I'm thinking about constructing an antenna similar to the alpha 6160 it uses a 4:1 unun. I was wondering if anyone knows the exact total length and the length if the matching section (ie twin wire section)
>
> Thanks in advance
>
> 73 de GM0OBX billy
>
>
>

30935. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:27:38 UTC
From: Billy McFarland
Topic: 30929 Message: 30935

Bob,

I've made a similar design and it works well. It's 30m long over all length 10m matching section 20m radiator section. Works 80-10m. There's a file in the group files of the radiation pattern.

73 de GM0OBX billy

30936. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:28:32 UTC
From: Billy McFarland
Topic: 30929 Message: 30936

It's in Mels k6kbe files

73 de GM0OBX billy

30937. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:32:23 UTC
From: Robert Moss
Topic: 30929 Message: 30937

I meant to say there are few reviews on eHam.com.

Bob W1RAM

On Jan 14, 2014, at 2:15 PM, Robert Moss wrote:

> Has anybody used an Alpha 6160 antenna or one of a similar design? Does this antenna design actually radiate well on a number of bands? Or is low SWR its main claim to fame? I note that it has relatively few reviews on QRZ.com.
>
>
> Bob W1RAM
>
>
>
> On Jan 14, 2014, at 7:31 AM, Billy McFarland wrote:
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>> Thanks in advance
>>
>> 73 de GM0OBX billy
>>
>>
>
>
>

30938. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:37:31 UTC
From: Billy McFarland
Topic: 30929 Message: 30938

All of them say about low swr on multibands. But I think there good for portable use.

73 de GM0OBX billy

30939. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:38:10 UTC
From: Robert Moss
Topic: 30929 Message: 30939

Are Mel's files on ham-antennasYahoogroups?

On Jan 14, 2014, at 2:28 PM, Billy McFarland wrote:

> It's in Mels k6kbe files
>
> 73 de GM0OBX billy
>
>
> From: Billy McFarland <gm0obx@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Alpha 6160 construction
> Sent: Tue, Jan 14, 2014 7:27:38 PM
>
>
> Bob,
>
> I've made a similar design and it works well. It's 30m long over all length 10m matching section 20m radiator section. Works 80-10m. There's a file in the group files of the radiation pattern.
>
> 73 de GM0OBX billy
>
>
> From: Robert Moss <W1RAM@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Alpha 6160 construction
> Sent: Tue, Jan 14, 2014 7:15:44 PM
>
>
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>
> Bob W1RAM
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> On Jan 14, 2014, at 7:31 AM, Billy McFarland wrote:
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>> All,
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>>
>> Thanks in advance
>>
>> 73 de GM0OBX billy
>>
>>
>
>
>

30940. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 19:39:20 UTC
From: Billy McFarland
Topic: 30929 Message: 30940

Yes and the document is called billy

73 de GM0OBX billy

30941. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 20:51:29 UTC
From: Robert Moss
Topic: 30929 Message: 30941

Billy,

Alpha makes a Jr. and a Sr. version of the 6160 JPole antenna. The former is about 35 ft long while the latter is around 70 ft. Wouldn't the longer Sr. version get out much better on the lower bands, being twice as long? Some reviews on eHam seems to suggest the opposite and it sounds illogical to me. Do you know the Alpha antenna well enough to know the answer?

Thanks again,

Bob W1RAM

On Jan 14, 2014, at 2:27 PM, Billy McFarland wrote:

> Bob,
>
> I've made a similar design and it works well. It's 30m long over all length 10m matching section 20m radiator section. Works 80-10m. There's a file in the group files of the radiation pattern.
>
> 73 de GM0OBX billy
>
>
> From: Robert Moss <W1RAM@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Alpha 6160 construction
> Sent: Tue, Jan 14, 2014 7:15:44 PM
>
>
> Has anybody used an Alpha 6160 antenna or one of a similar design? Does this antenna design actually radiate well on a number of bands? Or is low SWR its main claim to fame? I note that it has relatively few reviews on QRZ.com.
>
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> Bob W1RAM
>
>
>
> On Jan 14, 2014, at 7:31 AM, Billy McFarland wrote:
>
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>> All,
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>>
>> Thanks in advance
>>
>> 73 de GM0OBX billy
>>
>>
>
>
>

30942. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 20:56:47 UTC
From: Billy McFarland
Topic: 30929 Message: 30942

Bob,

The 75long antenna would be the better option in my opinion for putting signals out especially on the lower bands. On higher bands their multi lobe.

I don't have both to compare but logic tells you bigger is better for this type if stuff. A lot depends on configuration as well the matching section vertical and then sloping the rest is the best angle for dx contacts. I've just made one if my antennas which is 30m overall which is on its way to st Helena ZD7DC.

73 de GM0OBX billy

30943. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 21:03:26 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30943

Hello Bob,

Take a look at the manual for the 6-160.

http://alphaantenna.com/documents/Alpha%20Antenna%206160.pdf

The antenna does need a tuner. See the SWR chart.

Mel, K6KBE

30944. comet cp-45 aluminum mast/tripod

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 21:11:45 UTC
From: <davewilsonholcomb@...>
Topic: 30944 Message: 30944

does anyone know what the connector on top of the comet cp-45 mast is used for?
also, does anyone know what the connector is for that is screwed on the bracket that comes with the jawmount available from chameleon antenna?

30945. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 21:15:49 UTC
From: Robert Moss
Topic: 30929 Message: 30945

Billy,

That's what I figured but thought I'd better ask. I'm stymied getting my 130' windom up on account of all the tree branches and was thinking that the 70' Alpha might be a good alternative. In that case, I'd put it up as an inverted L, fed at the bottom, feed point about 20' above the ground, up over a branch about 50-60 high, then horizontally for another 35' toward the house. I've been told that it doesn't need a counterpoise to be effective (similar to the LNR EndFedx halfwave antennas.

73 Bob W1RAM

On Jan 14, 2014, at 3:56 PM, Billy McFarland wrote:

> Bob,
>
> The 75long antenna would be the better option in my opinion for putting signals out especially on the lower bands. On higher bands their multi lobe.
>
> I don't have both to compare but logic tells you bigger is better for this type if stuff. A lot depends on configuration as well the matching section vertical and then sloping the rest is the best angle for dx contacts. I've just made one if my antennas which is 30m overall which is on its way to st Helena ZD7DC.
>
> 73 de GM0OBX billy
>
>
> From: Robert Moss <W1RAM@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] Alpha 6160 construction
> Sent: Tue, Jan 14, 2014 8:51:29 PM
>
>
> Billy,
>
>
> Alpha makes a Jr. and a Sr. version of the 6160 JPole antenna. The former is about 35 ft long while the latter is around 70 ft. Wouldn't the longer Sr. version get out much better on the lower bands, being twice as long? Some reviews on eHam seems to suggest the opposite and it sounds illogical to me. Do you know the Alpha antenna well enough to know the answer?
>
> Thanks again,
>
> Bob W1RAM
>
> On Jan 14, 2014, at 2:27 PM, Billy McFarland wrote:

>
>>
>> Bob,
>>
>> I've made a similar design and it works well. It's 30m long over all length 10m matching section 20m radiator section. Works 80-10m. There's a file in the group files of the radiation pattern.
>>
>> 73 de GM0OBX billy
>>
>>
>> From: Robert Moss <W1RAM@comcast.net>;
>> To: <ham-antennas@yahoogroups.com>;
>> Subject: Re: [ham-antennas] Alpha 6160 construction
>> Sent: Tue, Jan 14, 2014 7:15:44 PM
>>
>>
>> Has anybody used an Alpha 6160 antenna or one of a similar design? Does this antenna design actually radiate well on a number of bands? Or is low SWR its main claim to fame? I note that it has relatively few reviews on QRZ.com.
>>
>>
>> Bob W1RAM
>>
>>
>>
>> On Jan 14, 2014, at 7:31 AM, Billy McFarland wrote:
>>
>>>
>>> All,
>>>
>>> I'm thinking about constructing an antenna similar to the alpha 6160 it uses a 4:1 unun. I was wondering if anyone knows the exact total length and the length if the matching section (ie twin wire section)
>>>
>>> Thanks in advance
>>>
>>> 73 de GM0OBX billy
>>>
>>>
>>
>>
>
>
>

30946. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 21:19:48 UTC
From: Billy McFarland
Topic: 30929 Message: 30946

No the matching section is on the earth side if the unun. So for example 75 overall length 38 ft matching section. Inverted l will be fine but slope the long section down towards the ground maximum of 45 degrees for best performance.

As Mel said the manual of the alpha shows swr about 2:1 so tuner will be needed.

73 de GM0OBX billy

30947. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:00:41 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30947

Hello Billy,

Does anyone have a diagram of the Alpha 6-160 antenna? I have tried to picture it but failed. The antenna manual does not show it either.

Mel, K6KBE

30948. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:04:02 UTC
From: Billy McFarland
Topic: 30929 Message: 30948

No I'm the same Mel looking for a photo if one. It looks like the zepp antenna twin wires and then down to one wire.

At the end if has a 4:1 unun but there doesn't appear to be a short in both wires

73 de GM0OBX billy

30949. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:13:35 UTC
From: Mel Farrer
Topic: 30929 Message: 30949

They say it is a cross of a J and Zepp. Sounds like double talk.

```
_____________________________________________________

X                ]

                                                              _____________X________]
```

I think it is probably a little like this where the 4:1 feed is at the X and the ends] are shorted. Classic J if it is. Can't be sure with out a picture from someone who has one. Anyway, it needs more info to discuss.

Mel, K6KBE

On Tuesday, January 14, 2014 3:04 PM, Billy McFarland <gm0obx@...> wrote:

No I'm the same Mel looking for a photo if one. It looks like the zepp antenna twin wires and then down to one wire.

At the end if has a 4:1 unun but there doesn't appear to be a short in both wires

73 de GM0OBX billy

_____
From: farrerfolks@yahoo.com <farrerfolks@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Alpha 6160 construction
Sent: Tue, Jan 14, 2014 11:00:41 PM

Hello Billy,

Does anyone have a diagram of the Alpha 6-160 antenna? I have tried to picture it but failed. The antenna manual does not show it either.

Mel, K6KBE

30950. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:25:27 UTC
From: Billy McFarland
Topic: 30929 Message: 30950

I think you may be right Mel. If you zoom into the photo attached one element is slightly longer than the other. But this may be because the wire goes through a dog bone for hanging. Either that it's fed at the end with a 4:1 unun and it has a matching section alike a Hooke and that's the cross between antennas.

73 de GM0OBX billy

[Non-text portions of this message have been removed]

30951. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:35:41 UTC
From: Mel Farrer
Topic: 30929 Message: 30951

Love to see a couple pictures of the antenna laid out on the ground. Mel, K6KBE On Tuesday, January 14, 2014 3:25 PM, Billy McFarland wrote: I think you may be right Mel. If you zoom into the photo attached one element is slightly longer than the other. But this may be because the wire goes through a dog bone for hanging. Either that it's fed at the end with a 4:1 unun and it has a matching section alike a Hooke and that's the cross between antennas.

73 de GM0OBX billy

[Non-text portions of this message have been removed]

30952. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-14 23:41:51 UTC
From: Billy McFarland
Topic: 30929 Message: 30952

I've not got one this is a photo from the web. I would by one for discussion sake but the £100!!! In the uk. Unless anyone else has one. I know no one has this antenna at my club because I've been asking around I may put a response up on qrz for help.

73 de GM0OBX billy

30953. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-15 17:00:50 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30953

As a last request on the 6-160 construction, if anyone out there has one and would be kind enough to draw a simple picture of the antenna for us with dimensions, we would greatly appreciate it. Thanks,

Mel, K6KBE

30954. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-15 17:05:01 UTC
From: Billy McFarland
Topic: 30929 Message: 30954

I've asked on qrz for help

73 de GM0OBX billy

30955. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-15 19:42:27 UTC
From: Dale Miller
Topic: 30929 Message: 30955

On 1/14/2014 5:41 PM, Billy McFarland wrote:
>
>
> I've not got one this is a photo from the web. I would by one for
> discussion sake but the £100!!! In the uk. Unless anyone else has one.
> I know no one has this antenna at my club because I've been asking
> around I may put a response up on qrz for help.
>
>
>
> 73 de GM0OBX billy
>

Is this antenna not a J-Pole?

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

30956. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-15 22:43:38 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30956

Hello Dale,

To answer your question, we need to see the physical construction of the antenna and how it is hooked up. The description in the manual is vague on the schematic of the antenna. The reason for our query, is that a classic J antenna would have to be 3/4 wave long. That's 202 + feet for 3.5 MHz not 75 feet as advertised. Obviously they are doing something very clever and we are very interested in what that is.

Mel, K6KBE

30957. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-15 23:47:37 UTC
From: Billy McFarland
Topic: 30929 Message: 30957

I wonder if it isn't shorted and the 1/4 wave matching section is just connected to the shield side of the 4:1 unun giving more of a OCF dipole type but both radiating wires a parallel rather than horizontal that would give a length of around 105 ft?

73 de GM0OBX billy

30958. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 00:02:25 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30958

Update.

I called Alpha Antennas and talked to, Steve the owner, and discussed the interest in the 6-160 but was unclear as to the actual design and schematic. He was very upfront and will send me a schematic/picture of the antenna layout shortly. There was quite a discussion on the feed system and matching network that the antenna has that is not just a balun. More to follow.

Mel, K6KBE

30959. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 00:05:19 UTC
From: Billy McFarland
Topic: 30929 Message: 30959

Nice job Mel,

Maybe there's a coil as well creating length electrically. Will be interesting to see a schematic and findings. It's 5 past midnight in the UK so I'll catch up with the findings in 6 hours time when I leave for work.

73 de GM0OBX billy

30960. Antenna coils for dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 00:03:42 UTC
From: Billy Manley
Topic: 30960 Message: 30960

I'm am curious. I'm thinking of making an dipole with coils due to having a limited space to use the antenna. I was thinking of what wire I could use to shorten the dipole.
I was talking to a friend and he handed me a small amount of welding wire. I'm asking it I were to use PVC for support, would welding wire work for the coil?
Or is even welding wire suitable for any part of the antenna? Is it to soft?

Thanks
Bill
N2NDF

Sent from Yahoo Mail for iPhone (http://overview.mail.yahoo.com?.src=iOS)

30961. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 00:07:52 UTC
From: Mel Farrer
Topic: 30929 Message: 30961

Cheers,

Mel

On Wednesday, January 15, 2014 4:05 PM, Billy McFarland <gm0obx@...> wrote:

Nice job Mel,

Maybe there's a coil as well creating length electrically. Will be interesting to see a schematic and findings. It's 5 past midnight in the UK so I'll catch up with the findings in 6 hours time when I leave for work.

73 de GM0OBX billy

From: farrerfolks@... <farrerfolks@yahoo.com>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Alpha 6160 construction
Sent: Thu, Jan 16, 2014 12:02:25 AM

Update.

I called Alpha Antennas and talked to, Steve the owner, and discussed the interest in the 6-160 but was unclear as to the actual design and schematic. He was very upfront and will send me a schematic/picture of the antenna layout shortly. There was quite a discussion on the feed system and matching network that the antenna has that is not just a balun. More to follow.

Mel, K6KBE

30962. RE: [ham-antennas] Antenna coils for dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 00:32:38 UTC
From: Richard Schmuke
Topic: 30960 Message: 30962

Welding wire will work fine. Here is a close up of a 2M vertical made with SS welding wire.

http://s1102.photobucket.com/user/KD0ZZ/media/DSC00811.jpg.html

Do not confuse mild steel mig wire with a copper flashing as the same as copperweld wire antenna wire. Carbon steel welding wire with a copper flash will rust if used outdoors. If you want to use steel wire, electric fence wire is not a prone to rust. Aluminum wire will work as a coil on PVC also. I have used safety wire for a quick coil but I don't recommend it due to high resistance because of the composition but it does not rust.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy Manley
Sent: Wednesday, January 15, 2014 6:04 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna coils for dipole.

I'm am curious. I'm thinking of making an dipole with coils due to having a limited space to use the antenna. I was thinking of what wire I could use to shorten the dipole.
I was talking to a friend and he handed me a small amount of welding wire.
I'm asking it I were to use PVC for support, would welding wire work for the coil?
Or is even welding wire suitable for any part of the antenna? Is it to soft?

Thanks
Bill
N2NDF <http://overview.mail.yahoo.com?.src=iOS>

Sent from Yahoo Mail for iPhone

[Non-text portions of this message have been removed]

30963. Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 01:50:19 UTC
From: Tom Horton
Topic: 30963 Message: 30963

Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at a really good price) to rebuild my 5 band quad.

Thank you ice storm.
 Thanks, Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

30964. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 01:52:01 UTC
From: Bob Kasparek
Topic: 30963 Message: 30964

I've used the electric fence wire for loops with no problems it's cheap in the farm stores
73 Bob

Real radios glow in the dark!

> On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:
>
> Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at a really good price) to rebuild my 5 band quad.
> Thank you ice storm.
> Thanks, Tom K5IID
>
> There is no joy in Mudville!
> http://www.dfwcontest.com
>
>
>
>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>

30965. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 02:13:23 UTC
From: jim ki6njf
Topic: 30963 Message: 30965

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160 meter dipoles. It's available in 14 awg and 17 awg.
73s
jim
ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:
> I've used the electric fence wire for loops with no problems it's cheap in
> the farm stores 73 Bob
>
> Real radios glow in the dark!
>
> > On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:
> >
> > Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at
> > a really good price) to rebuild my 5 band quad. Thank you ice storm.
> >
> > Thanks, Tom K5IID
> >
> > There is no joy in Mudville!
> > http://www.dfwcontest.com
> >
> >
> >
> >
> > K5IID Tom Horton Hillsboro, TX
> > E sorter for ARRL W5 bureau
> > Same call for 57 years!

30966. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 02:56:57 UTC
From: Walt Wilson
Topic: 30963 Message: 30966

Locally we use the Tractor Supply store. They keep it in stock

From: jim ki6njf
Sent: Wednesday, January 15, 2014 9:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna Wire source

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160
meter dipoles. It's available in 14 awg and 17 awg.
73s
jim
ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:
> I've used the electric fence wire for loops with no problems it's cheap in
> the farm stores 73 Bob
>
> Real radios glow in the dark!
>
> > On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:
> >
> > Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at
> > a really good price) to rebuild my 5 band quad. Thank you ice storm.
> >
> > Thanks, Tom K5IID
> >
> > There is no joy in Mudville!
> > http://www.dfwcontest.com
> >
> >
> >
> >
> > K5IID Tom Horton Hillsboro, TX
> > E sorter for ARRL W5 bureau
> > Same call for 57 years!

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/7004 - Release Date: 01/15/14

30967. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 04:25:07 UTC
From: Tom Horton
Topic: 30963 Message: 30967

Thanks guys...
 I have some fence wire and was going to use it last time, but had to do some soldering.
This time I won't need to solder so I may wind up using it!
73, Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

From: Walt Wilson <WWILSON@...>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 15, 2014 8:56 PM
Subject: Re: [ham-antennas] Antenna Wire source

Locally we use the Tractor Supply store. They keep it in stock

From: jim ki6njf
Sent: Wednesday, January 15, 2014 9:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna Wire source

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160
meter dipoles. It's available in 14 awg and 17 awg.
73s
jim
ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:
>
I've used the electric fence wire for loops with no problems it's cheap
in
> the farm stores 73 Bob
>
> Real radios glow in the
dark!
>
> > On Jan 15, 2014, at 8:50 PM, Tom Horton
<k5iid@...> wrote:
> >
> > Any hints as to
where I can locate 1000 feet of #16 or #14 copper wire (at
> > a really
good price) to rebuild my 5 band quad. Thank you ice storm.

> >
> > Thanks, Tom K5IID
> >
> > There is no joy in
Mudville!
> > http://www.dfwcontest.com
> >
> >
> >
> >
> > K5IID Tom Horton Hillsboro, TX
>
> E sorter for ARRL W5 bureau
> > Same call for 57
years!

No virus found in this
message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus
Database: 3658/7004 - Release Date:
01/15/14

30968. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 05:39:55 UTC
From: William Collister
Topic: 30963 Message: 30968

I even use the High Voltage insulated fence wire for pass-through wire on car bodies. I just keep it short length. I think everyone knows about the cheap priced fencing insulators also.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: ki6njf@...
Date: Wed, 15 Jan 2014 18:13:23 -0800
Subject: Re: [ham-antennas] Antenna Wire source

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160

meter dipoles. It's available in 14 awg and 17 awg.

73s

jim

ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:

> I've used the electric fence wire for loops with no problems it's cheap in

> the farm stores 73 Bob

>

> Real radios glow in the dark!

>

> > On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:

> >

> > Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at

> > a really good price) to rebuild my 5 band quad. Thank you ice storm.

> >

> > Thanks, Tom K5IID

> >

> > There is no joy in Mudville!

> > http://www.dfwcontest.com

> >

> >

> >

> >

> > K5IID Tom Horton Hillsboro, TX

> > E sorter for ARRL W5 bureau

> > Same call for 57 years!

30969. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 07:27:08 UTC
From: Billy McFarland
Topic: 30929 Message: 30969

Did you get any update Mel?

73 de GM0OBX billy

30970. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 12:11:27 UTC
From: Richard Schmuke
Topic: 30963 Message: 30970

Most wire can be soldered with the right solder and flux, even aluminum and SS. Here is a picture of a 2M vertical where I attached the 1/8” element to the 1/16 upper element.

http://s1102.photobucket.com/user/KD0ZZ/media/DSC00812.jpg.html

It is not a butt joint, I did drill a 1/16 hole in the end of the 1/8 rod. The rod material is stainless steel and 60/40 solder .If working on a large loop or other antenna than can be a long distance from the soldering iron then split bolts can come in handy. Most big box hardware stores carry a good selection of sizes.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Tom Horton
Sent: Wednesday, January 15, 2014 10:25 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna Wire source

Thanks guys...
I have some fence wire and was going to use it last time, but had to do some soldering.
This time I won't need to solder so I may wind up using it!
73, Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

From: Walt Wilson <WWILSON@....com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 15, 2014 8:56 PM
Subject: Re: [ham-antennas] Antenna Wire source

Locally we use the Tractor Supply store. They keep it in stock

From: jim ki6njf <mailto:ki6njf@...>

Sent: Wednesday, January 15, 2014 9:13 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Antenna Wire source

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160 meter dipoles. It's available in 14 awg and 17 awg.

73s
jim
ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:
> I've used the electric fence wire for loops with no problems it's cheap in
> the farm stores 73 Bob
>
> Real radios glow in the dark!
>
> > On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:
> >
> > Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at
> > a really good price) to rebuild my 5 band quad. Thank you ice storm.
> >
> > Thanks, Tom K5IID
> >
> > There is no joy in Mudville!
> > http://www.dfwcontest.com
> >
> >
> >
> >
> > K5IID Tom Horton Hillsboro, TX
> > E sorter for ARRL W5 bureau
> > Same call for 57 years!

No virus found in this message.
Checked by AVG - www.avg.com <http://www.avg.com/>
Version: 2014.0.4259 / Virus Database: 3658/7004 - Release Date: 01/15/14

[Non-text portions of this message have been removed]

30971. Re: Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 14:25:28 UTC
From: Thomas W4HM
Topic: 30963 Message: 30971

I recently started using #14 stranded black single covered wire sold by DX Engineering. It is relaxed wire in that it's not prone to recoiling like say #12 or 14 stranded house wire that one would buy at Home Depot or Lowes. It's comparable in price to what's at Home Depot and Lowes.

73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

30972. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 14:52:01 UTC
From: Mel Farrer
Topic: 30929 Message: 30972

I received a reply from Steve that he would send the attachment later. Will keep you informed.

Mel, K6KBE

On Wednesday, January 15, 2014 11:27 PM, Billy McFarland <gm0obx@...> wrote:

Did you get any update Mel?

73 de GM0OBX billy

From: Mel Farrer <farrerfolks@...>;
To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Alpha 6160 construction
Sent: Thu, Jan 16, 2014 12:07:52 AM

Cheers,

Mel

On Wednesday, January 15, 2014 4:05 PM, Billy McFarland <gm0obx@yahoo.co.uk> wrote:

Nice job Mel,

Maybe there's a coil as well creating length electrically. Will be interesting to see a schematic and findings. It's 5 past midnight in the UK so I'll catch up with the findings in 6 hours time when I leave for work.

73 de GM0OBX billy

From: farrerfolks@... <farrerfolks@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Alpha 6160 construction
Sent: Thu, Jan 16, 2014 12:02:25 AM

Update.

I called Alpha Antennas and talked to, Steve the owner, and discussed the interest in the 6-160 but was unclear as to the actual design and schematic. He was very upfront and will send me a schematic/picture of the antenna layout shortly. There was quite a discussion on the feed system and matching network that the antenna has that is not just a balun. More to follow.

Mel, K6KBE

30973. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 17:42:23 UTC
From: <farrerfolks@...>
Topic: 30929 Message: 30973

I received the "sketch" from Steve. It is not useable to determine anything. No dimensions or specific info. Will continue to look elsewhere. While Steve is very courteous and all I must assume that he feels the particulars of the antenna will not be shared.

Mel, K6KBE

30974. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 18:10:13 UTC
From: Harold
Topic: 30963 Message: 30974

has anyone tried the aluminum electric fence wire?
I have a loop using the regular electric fence wire and it has held up well.
I need to replace a windom which I used #12 wire and use the lighter electric fence wire.

Hal AA2ID

PS also use emt conduit for my verticals, seems to work.

-----Original Message-----
From: Walt Wilson <WWILSON@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Jan 15, 2014 6:56 pm
Subject: Re: [ham-antennas] Antenna Wire source

Locally we use the Tractor Supply store. They keep it in stock

From: jim ki6njf
Sent: Wednesday, January 15, 2014 9:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna Wire source

Ditto on the electric fence wire. I've use it for both 80 meter loops and 160
meter dipoles. It's available in 14 awg and 17 awg.
73s
jim
ki6njf

On Wednesday, January 15, 2014 08:52:01 PM you wrote:
> I've used the electric fence wire for loops with no problems it's cheap in
> the farm stores 73 Bob
>
> Real radios glow in the dark!
>
> > On Jan 15, 2014, at 8:50 PM, Tom Horton <k5iid@...> wrote:
> >
> > Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at
> > a really good price) to rebuild my 5 band quad. Thank you ice storm.
> >
> > Thanks, Tom K5IID
> >
> > There is no joy in Mudville!
> > http://www.dfwcontest.com
> >
> >
> >
> >
> > K5IID Tom Horton Hillsboro, TX

> > E sorter for ARRL W5 bureau
> > Same call for 57 years!

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3658/7004 - Release Date: 01/15/14

30975. AW: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 18:14:01 UTC
From: siegfried jackstien
Topic: 30963 Message: 30975

Why not use aluminium fence wire instead of copper?!?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Tom Horton
> Gesendet: Donnerstag, 16. Januar 2014 01:50
> An: antennas; cq-contest; ctdxcc; DFW; George Huling; LSDXA; TDXS; ntcc;
> ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Antenna Wire source
>
>
>
> Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at
> a really good price) to rebuild my 5 band quad.
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> Thank you ice storm.
> Thanks, Tom K5IID
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> http://www.dfwcontest.com
>
>
>
>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>
>

30976. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 19:00:49 UTC
From: JOHN CEDARHOLM
Topic: 30929 Message: 30976

Of possible interest to the group: There is a technical description on how this antenna was developed on the web site http://AmateurRadioStore.com and here is some of that content:
"To develop the Alpha 6-160 meter J-Pole Jr Antenna we used an Antenna Analyzer that simultaneously shows the SWRs of 5 bands. The inspiration behind the J-Pole Jr from Alpha Antenna came from a combination of antenna designs, namely the J-Pole and Zepp. Along with a matching network technology, which we attached the specially selected outdoor rated wire to, we then spent over three months cutting and trimming the wiring till we achieved a resonant antenna design on 6, 10, 15, 20, & 40 Meters and a tunable resonant pattern on 80 & 160 Meters. We adopted the J-Pole name for this antenna because the result of our design were two separate lengths of wire that are parallel to each other. We also learned the spacing between the wiring was critical in their respective sheaths, as well as the size & number of the strands of the wire within each sheath. From the Zepp Antenna we borrowed the end-fed type design, which is also similar to the end-fed
design of a standard J-Pole antenna. Although significant, the wiring is by no means the only factor in matching the antenna. The matching box allows for the antenna to be fed with 50 ohm coax at the antenna. This makes for an important design characteristic when feeding a tuner, as it keeps the RF voltages low at the base feed point."

30977. RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 19:23:22 UTC
From: <aa2nh@...>
Topic: 30607 Message: 30977

I've been using this with really decent mobile HF results
http://www.eham.net/reviews/detail/10340 http://www.eham.net/reviews/detail/10340

30978. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-16 22:13:16 UTC
From: Billy McFarland
Topic: 30929 Message: 30978

Thanks for the reply Mel. Interesting. I would hate to buy one just to get sizes lol.

73 de GM0OBX billy

30979. [Heathkit:Yahoo] FYI-> upcoming functions of interest to HAMS

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 01:14:52 UTC
From: Van Lincoln
Topic: 30979 Message: 30979

To: <TubeTesters@yahoogroups.com>
List-Id: <TubeTesters.yahoogroups.com>
Precedence: bulk
List-Unsubscribe: <mailto:TubeTesters-unsubscribe@yahoogroups.com>
Date: 16 Jan 2014
Subject: [=>TUBETESTERS<=] RadioWinterFest near
Baltimore-Washington Airport 1/19/14

Coming this Sunday, RadioWinterFest; an
all-indoor meet and auction to be held at the
National Electronics Museum facility near
Baltimore-Washington Airport (BWI) on January 19th 2014.

Presented jointly by the Mid-Atlantic Antique
Radio Club and the National Electronics Museum,
you can find more details at
<http://www.Maarc.org>www.Maarc.org or
<http://www.nationalelectronicsmuseum.org>www.nationalelectronicsmuseum.org
and the RadioWinterFest near Baltimore-Washington
Airport 1/19/14 file at
<http://groups.yahoo.com/neo/groups/TubeTesters/files>http://groups.yahoo.com/neo/groups/T
ubeTesters/files.

In-door Flea Market: 9:00 am ☐11:300 am, Auction: Noon

Directions from Washington: Take Route 295 North
(Baltimore-Washington Parkway), take West Nursery
Road exit and stay right on ramp, go through
three stoplights and Turn left on Elm Rd, Museum
is on the corner of Nursery and Elm across from the Marriot Hotel.

Directions from Baltimore: Take Route 295 South
(Baltimore-Washington Parkway), take West Nursery
Road exit, turn left at light and go through four
stoplights and Turn left on Elm Rd, Museum is on
the corner of Nursery and Elm across from the Marriot Hotel.

TubeTesters is a group devoted to the
preservation, use, and repair of Tube Testers
from the 30's on through the 1970's. The names
are legion...Hickok, Triplett, B&K, Heathkit,
EICO, Lafayette, Allied, Knight, etc. Have one to
sell, want to buy, want to extol the virtues of a
particular unit? List and explain on this group.
We'll listen, after all, we possess our own favorite, or we're looking for it.

Van Lincoln - wd8aam -

30980. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 01:23:31 UTC
From: <w7pva@...>
Topic: 30963 Message: 30980

I visited my local TSC store and picked up a bag of 10 "corner insulators" for an electric fence. Cost was $2.50. A quarter mile of 17 gauge aluminum wire was about $25.

The insulators were a little lighter weight than those I bought for another antenna from one of the ham shops. They are also bright yellow. A little black mat spray paint will make them less visible and provide more protection from the Arizona sun..

TSC has always been a favorite place!

Bill - W7PVA
Prescott Valley AZ
DM34tp

30981. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 02:27:26 UTC
From: William Collister
Topic: 30963 Message: 30981

I bought the black ones for a bit more money...claimed they were more sun resistant.

Bill N7MOG

To: ham-antennas@yahoogroups.com
From: w7pva@arrl.net
Date: Thu, 16 Jan 2014 17:23:31 -0800
Subject: RE: [ham-antennas] Antenna Wire source

I visited my local TSC store and picked up a bag of 10 "corner insulators" for an electric fence. Cost was $2.50. A quarter mile of 17 gauge aluminum wire was about $25.

The insulators were a little lighter weight than those I bought for another antenna from one of the ham shops. They are also bright yellow. A little black mat spray paint will make them less visible and provide more protection from the Arizona sun..

TSC has always been a favorite place!

Bill - W7PVA

Prescott Valley AZ

DM34tp

30982. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 03:16:47 UTC
From: Andy
Topic: 30963 Message: 30982

Here in these suburbs it is actually hard to find electric fence wire. Hardware stores don't sell it, and there are no farm supply stores nearby. (Surely they must be out there, just very difficult to find, and a bit of a hike - er, drive to get to.) If I needed to get some, I might have to do it by mail-order from the midwest.

I'm told that a cheap source for copper wire, if you don't mind solid, is a motor repair shop, where they re-wind motors. They might have leftovers from big spools that they can't use.

And that suggests one can get copper wire for free by salvaging old fan motors, or any other unwanted motors you have laying around.

Andy

30983. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 04:32:54 UTC
From: <w7pva@...>
Topic: 30963 Message: 30983

I looked at the larger black insulators. They were about twice the size of the ones I bought. I thought that perhaps the smaller ones wouldn't be as visible since I live in a HOA area.

For those that don't have a TSC store I had researched and found the same insulators at Home Depot and Lowes. I did not check Ace or TrueValue.

While I'm going to use 14 gauge stranded and insulated wire for an OCF I have used copper-clad welding wire with good results.

Bill - W7PVA
Prescott Valley AZ
DM34tp

30984. Re: [ham-antennas] Coax Feed

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 06:00:20 UTC
From: Andy
Topic: 30856 Message: 30984

Going back to a question from a few days ago ...

"Somewhere I read that coax lenght could be counter productive on certain freq. (i.e. one should avoid running 30 meter lenght of coax to a 10 meg antenna)."

I can think of 4 reasons where coax length matters with antennas:

(1) The coax is a "phasing line" in the antenna or array. The antenna probably came with that coax, or someone made them to connect two or more antennas together. In that case, do not cut the lengths shorter. They need to be that length, whatever it is.

(2) RF loss. The longer the coax, the more signal you lose, and this gets worse as the frequency goes up. It also gets worse if the SWR on the coax is up there. According to this rule (alone), make your coax as short as you can.

(But there are some antennas that specify a minimum coax length, to get enough loss to make the SWR look good!)

(3) Re-radiation. The presence of coax in the near-field of an antenna can become a parasitic element that messes with the antenna's pattern. Resonant lengths near even or odd multiples 1/2 wavelength, at any frequency you use, are best avoided. Do not use the VF (velocity factor) in this calculation because you are looking at the coax from outside, like a solid wire. Note: While this can be a concern, it is not a biggie, and can be avoided by running the coax at right angles away from the antenna.

The same consideration also affects antennas that should use a balun but don't have one. When the feedline length is the right length to be resonant, it can amplify the effects of RF on the outside of the coax.

(4) Getting a certain impedance at the shack end, when the SWR on the coax is NOT low. More on that follows:

When the SWR is already low, it doesn't make much difference how long the coax is (except for (1), (2), or (3) above). The input impedance will look close to 50 ohms whether it's 1/4 or 1/2 wavelength or anywhere between.

When the SWR is not low, sometimes you want to see the same impedance at the shack end, that exists at the antenna. To make that happen, the effective length, taking VF into account, needs to be 1/2 wavelength or any (even or odd) multiple ... so you would want to avoid odd multiples of 1/4 wavelength.

Personally, I'm not sure why one would need to do this. But I'm sure there are situations where it helps. Let's say you have a large loop and its

resonant feedpoint impedance at some frequency is 180 ohms. You can bring that 180 ohms into the shack by using 1/2 wavelength of coax, or a multiple. OTOH, if you used 1/4 wavelength of coax, it would be transformed down to 13.9 ohms. Both are the same SWR (I'm assuming the use of very low loss coax here). Now it may be that your shack-end ATU or rig can handle 180 ohms easier than it can handle 13.8 ohms, even though both are the same SWR; so in this case it makes sense to use something near 1/2 wavelength, and avoid 1/4 wavelength.

So, considering only case (4), IF you need to see roughly the same impedance as exists at the antenna, use 1/2 wavelength or an integer multiple, and remember to incorporate the velocity factor of the coax when you make that calculation.

But there's no guarantee that the antenna's feedpoint impedance (with a high SWR) is necessarily the one you need to see in the shack. It might be that things work better if the coax length is 1/4 wavelength long, or an odd multiple. Or something else.

AFAIK, a short coax (< 1/4 wavelength) is rarely ever a problem.

Andy

30985. Re: [ham-antennas] Alpha 6160 construction

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 10:45:25 UTC
From: Billy McFarland
Topic: 30929 Message: 30985

I see my qrz forum post has revealed no answers about this antenna either

73 de GM0OBX billy

30986. RE: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 11:57:45 UTC
From: KB3YRC
Topic: 30963 Message: 30986

http://www.therfc.com/

Poly Stealth cable

26 AWG; 19 strands Cu-clad with black poly jacket, .040” OD : A must for QRP, hotels and townhouses. 25 lbs Breaking Strength.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of w7pva@...
Sent: Thursday, January 16, 2014 11:33 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna Wire source

I looked at the larger black insulators. They were about twice the size of the ones I bought. I thought that perhaps the smaller ones wouldn't be as visible since I live in a HOA area.

For those that don't have a TSC store I had researched and found the same insulators at Home Depot and Lowes. I did not check Ace or TrueValue.

While I'm going to use 14 gauge stranded and insulated wire for an OCF I have used copper-clad welding wire with good results.

Bill - W7PVA

Prescott Valley AZ

DM34tp

30987. Turbo TunerII Screwdriver Antenna Controller Source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 12:40:17 UTC
From: WD8ARZ
Topic: 30607 Message: 30987

Have been using the original Turbo Tuner with my TS-480HX 200 watt hf radio for about six years now. Zero problems. What I absolutely love about it is the simplicity of operation and how much it improves driver safety and getting your screwdriver antenna to its lowest swr.

All I do is select the band and frequency I want to operate on, press the PF key on the Display panel of Hand Mic that is programmed for the Tune function, and just drive. The rig goes into transmit, and the Turbo Tuner takes over. When it has adjusted the Screwdriver antenna for lowest SWR it sends out a CW dah dit dah (K) and returns the radio to receive mode. At that point I know it is ok to transmit. Single push button operation couldnt be any simpler.

To aid mobile driving, I have programmed my TS-480HX memories for frequencies of interest for all ham bands. From the hand mic I can step up and down through those memories looking for chats of interest to listen to while I keep my eyes on the road driving, or to find a clear one to call on. Those memories are tunable, so it is also easy to manually dial around the band and not be limited to the memory frequency. Again while keeping my eyes on the road.

Because the screwdriver antenna can have different capacity hats and whip lengths that can be used for it, the swr for a frequency will be different for each antenna combination, especially 40 - 160 meters. Thus a memory antenna tuner would not be as good a choice for me. Thus I prefer a screwdriver antenna tuner that finds the lowest swr each time it is activated regardless of frequency and antenna configuration. is always going to configure the antenna correctly each time.

Here is the link to the Turbo Tuner II by GigaParts:
http://www.gigaparts.com/Product-Lines/?search=turbo+tuner&sc=29&Submit2.x=0&Submit2.y=0
Each version of the Turbo TunerII can be clicked on for more details.

GigaParts is the distributor. Here is the link to Tennatronix who makes em and has the manuals for download:
http://tennatronix.com/home.html

Note, these links have nothing to do with the original Turbo Tuner whose author has died. Same updated product, but not same company.

73 from Bill - WD8ARZ

30988. Re: Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-17 13:49:31 UTC
From: fred
Topic: 30963 Message: 30988

I was in a HOA in houston and made my dipole from 1/16" galvanize lift cable and did not use end insulators . hid the centre insulator and twinlead behind a tree and it was never spotted . after it was up for a while the wire turned a dull gray colour and was almost invisible against the sky . my 10 metre vertical was visible and when the HOA asked I told them it was a lightning rod .
kd5pnt
--- In ham-antennas@yahoogroups.com, <w7pva@...> wrote:
>
> I looked at the larger black insulators. They were about twice the size of the ones I bought. I thought that perhaps the smaller ones wouldn't be as visible since I live in a HOA area.
>
>
> For those that don't have a TSC store I had researched and found the same insulators at Home Depot and Lowes. I did not check Ace or TrueValue.
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> While I'm going to use 14 gauge stranded and insulated wire for an OCF I have used copper-clad welding wire with good results.
>
>
> Bill - W7PVA
> Prescott Valley AZ
> DM34tp
>

30989. support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 19:24:05 UTC
From: <hitekgearhead@...>
Topic: 30989 Message: 30989

My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.

My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:

I was going to get two 10' sections of chain link top rail and weld/bolt/sleeve them together. For the base, I was thinking of taking the bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with concrete. The pole would be right next to the house, and where it passes the roof line/fascia it will be secured. I was also thinking of guying the top if necessary. The support lines for the dipoles could play into that quite easily.

Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?

Thanks,
Albert
KI4ORI

30990. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 19:54:27 UTC
From: Will
Topic: 30989 Message: 30990

My first thought would be to use the whole 55 Gallon drum filled with rocks/concrete and forget the guys. But you might need some of Pop-eyes spinach to move it. If filled with rocks not concreted together they would be removable.

Anybody used the poles from wind-surf boards as a support?

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: hitekgearhead@...
> Sent: 01/19/14 08:24 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] support pole/tower construction idea
>
> My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.
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>
>
>
> Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?
>
>
>
> Thanks,
>
> Albert
>

> KI4ORI

30991. AW: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 20:16:10 UTC
From: siegfried jackstien
Topic: 30989 Message: 30991

Yepp ... i have a surf pole in one of my trees (to have the antenna free from the branches) ...

... what about using the house height??

You only need a 6m pole to get to 15m height if your house already is 10m high (also doing that here)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Will
> Gesendet: Samstag, 18. Januar 2014 19:54
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] support pole/tower construction idea
>
>
>
>
> My first thought would be to use the whole 55 Gallon drum filled with
> rocks/concrete and forget the guys. But you might need some of Pop-eyes
> spinach to move it. If filled with rocks not concreted together they
> would be removable.
>
> Anybody used the poles from wind-surf boards as a support?
>
> Cheers
> Will
> ZL1TAO
>
> > ----- Original Message -----
> > From: hitekgearhead@...
> > Sent: 01/19/14 08:24 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] support pole/tower construction idea
> >
> > My wife and I recently bought our first house and I am looking at
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> first and see what you think.
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> >

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> >
> >
> >
> > Thanks,
> >
> > Albert
> >
> > KI4ORI
>
>
>
>

30992. RE: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 21:44:48 UTC
From: Richard Schmuke
Topic: 30989 Message: 30992

Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.

http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html

Look at the sketch and then there are a few pictures of it in the album. You will also find plans and pictures of a 40ft support that holds up my rotor, beam, large loop and 160/80 dipole in my album. Sorry I don’t have any citified plans but hillbilly engineering is all I know.

This could be made smaller or larger according to your layout and room.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead@...
Sent: Saturday, January 18, 2014 1:24 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] support pole/tower construction idea

My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.

My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:

I was going to get two 10' sections of chain link top rail and weld/bolt/sleeve them together. For the base, I was thinking of taking the bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with concrete. The pole would be right next to the house, and where it passes the roof line/fascia it will be secured. I was also thinking of guying the top if necessary. The support lines for the dipoles could play into that quite easily.

Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?

Thanks,
Albert
KI4ORI

[Non-text portions of this message have been removed]

30993. Best balun manufacturer

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 21:57:21 UTC
From: <yg@...>
Topic: 30993 Message: 30993

Yup, I did Google and searched this forum and got lots of related hits but not anything that could be called a consensus..

Just wondering if there is any kind of a consensus for the best balun manufacturer for legal-limit 1:1 and 4:1 current baluns. Balun Designs and DX Engineering seem to get good reports, and a few others not so much.

This will be used with an inverted V cut to 160M and fed with window line. Another one will be used with a slightly-shorter-than-160M inverted V (ran out of room) also fed with window line. The window line runs to the balun mounted outside the shack window, then a short length of coax to an LDG 1000-watt tuner, then to my 700-watt station. Both antennas will be used 160-10 plus MARS and CAP frequencies, and relatively seldom will they be run at resonance points.

Any recommendations gratefully accepted.

Rick WA1RKT
Londonderry, NH (getting a totally unforecast snowstorm this afternoon!)
Catch me on 14.300 MHz Intercon / MMSN most days

30994. RE: [ham-antennas] Best balun manufacturer

Yahoo group: ham-antennas (2014)
Date: 2014-01-18 22:06:38 UTC
From: goldtr8@...
Topic: 30993 Message: 30994
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

30995. RE: Best balun manufacturer

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 01:23:35 UTC
From: <soona4sail@...>
Topic: 30993 Message: 30995

Great success with Balun Designs. Top quality product, at a reasoanble price. Email Bob, explain your situation, and let him recommend the product that will work the best for you.If your QTH has a metal roof, let him know that too!

73 John

30996. RE: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 02:53:16 UTC
From: <hitekgearhead@...>
Topic: 30989 Message: 30996

Actually Rich, in some ways, hillbilly engineering is the best....

And a question for you:
The pipe detailed in your drawings, is it just regular schedule 40 pipe from the hardware store? Also, on the "small" version of your tilt up tower, I see that the lower section is 1.5", but what is the diameter of the upper section?

Thanks,
Albert

---In ham-antennas@yahoogroups.com, <rdj@...> wrote:

Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.

http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html
http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html

Look at the sketch and then there are a few pictures of it in the album. You will also find plans and pictures of a 40ft support that holds up my rotor, beam, large loop and 160/80 dipole in my album. Sorry I don’t have any citified plans but hillbilly engineering is all I know.

This could be made smaller or larger according to your layout and room.

Rich, Kd0zz

30997. Re: [ham-antennas] Best balun manufacturer

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 04:59:11 UTC
From: Keith Heimbold
Topic: 30993 Message: 30997

Balun designs. Own three of them. Great products!!!

Sent from my iPhone please excuse typos

> On Jan 18, 2014, at 1:57 PM, yg@internetsmallfry.com wrote:
>
> Yup, I did Google and searched this forum and got lots of related hits but not anything that could be called a consensus..
>
> Just wondering if there is any kind of a consensus for the best balun manufacturer for legal-limit 1:1 and 4:1 current baluns. Balun Designs and DX Engineering seem to get good reports, and a few others not so much.
>
> This will be used with an inverted V cut to 160M and fed with window line. Another one will be used with a slightly-shorter-than-160M inverted V (ran out of room) also fed with window line. The window line runs to the balun mounted outside the shack window, then a short length of coax to an LDG 1000-watt tuner, then to my 700-watt station. Both antennas will be used 160-10 plus MARS and CAP frequencies, and relatively seldom will they be run at resonance points.
>
> Any recommendations gratefully accepted.
>
> Rick WA1RKT
> Londonderry, NH (getting a totally unforecast snowstorm this afternoon!)
> Catch me on 14.300 MHz Intercon / MMSN most days
>
>

30998. Re: [ham-antennas] Best balun manufacturer

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 06:13:34 UTC
From: Jim Bennett
Topic: 30993 Message: 30998

Me too - had a 4:1 1KW DXE balun, then bought the Balun Designs 4:1 3KW unit. Put both of 'em on the end of my AIM-4170C analyzer. No doubt about it, the Balun Designs unit was flatter across the 1.8 - 30 MHz range.

Jim / W6JHB

On Saturday, Jan 18, 2014, at Saturday, 8:59 PM, Keith Heimbold wrote:

>
> Balun designs. Own three of them. Great products!!!
>
> Sent from my iPhone please excuse typos
>
> On Jan 18, 2014, at 1:57 PM, yg@internetsmallfry.com wrote:
>
>>
>> Yup, I did Google and searched this forum and got lots of related hits but not anything that could be called a consensus..
>>
>> Just wondering if there is any kind of a consensus for the best balun manufacturer for legal-limit 1:1 and 4:1 current baluns. Balun Designs and DX Engineering seem to get good reports, and a few others not so much.
>>
>> This will be used with an inverted V cut to 160M and fed with window line. Another one will be used with a slightly-shorter-than-160M inverted V (ran out of room) also fed with window line. The window line runs to the balun mounted outside the shack window, then a short length of coax to an LDG 1000-watt tuner, then to my 700-watt station. Both antennas will be used 160-10 plus MARS and CAP frequencies, and relatively seldom will they be run at resonance points.
>>
>> Any recommendations gratefully accepted.
>>
>> Rick WA1RKT
>> Londonderry, NH (getting a totally unforecast snowstorm this afternoon!)
>> Catch me on 14.300 MHz Intercon / MMSN most days
>>
>
>

30999. RE: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 13:01:19 UTC
From: Richard Schmuke
Topic: 30989 Message: 30999

And a question for you:

The pipe detailed in your drawings, is it just regular schedule 40 pipe from the hardware store? Also, on the "small" version of your tilt up tower, I see that the lower section is 1.5", but what is the diameter of the upper section?,

Albert
---:

Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.

http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html

Well, yes , no and mebey. The smaller one it was built 30 years ago and I went to a scrap yard and bought two sections of pipe that telescoped together. One was a gas pipe and had the yellow plastic coating on it as I recall. I think they would be called 1 1/2” and 1 1/4. Note I did not buy it from a hardware store because some of that pipe is not as weldable as regular steel pipe unless you are careful and use 7018 rod and I am not a good welder. Being standard S40 it was 21ft long so I paid the man an extra dollar and he cut about 5 ft off the 21 and that made the shorter vertical part. It was made with holes in the base so it could be mounted on studs and that made it easy to set it vertical also when I got ready to move it was easy to take it all down. When I retired and moved out where I have no rules and regulations I made the larger one. I keep the shorter one for testing. The last tilting unit I made was done with treated lumber and mounted on a treated 4x4 in concrete. Picture of the assemble in work can be seen at. Note: All work is feline inspected.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg.html

Please disregard the antenna being built it this album , it is just one of my many that was not a great success but now the tilt unit is being used for a raised feed point 40M vertical that works great.

The larger steel tilt design required no welding just drilling a couple of holes and being in concrete I don’t plan on removing it. After I am a silent key it is someone else’s problem. If I had to remake the larger one I would use 2 full lengths of 2x3 steel tubing (21ft) to raise the pivot point higher. I tilt it now with a come-a-long at the base but with the rotor on top and a beam it gets a little heavy for a 69 year man. If you look at the picture of the whole assembly you can get a idea of the leverage as it is tilted. The picture shows a 3 element 15M beam. It now has a Hex beam.

Rich, Kd0zz

31000. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 17:51:09 UTC
From: Gerald Bishop
Topic: 30989 Message: 31000

Hi- Might try this-I just put up 40ft- 3 pieces of 1 1/2 thi wall conduit,with 5 ft oof splice in hte middle - One i have has 6ft of 1 1/4 conduit drove intoi the ground and a piece of 1 1/23 in set down on it and another ,with a 4 ft piece ,2 ft into the top with a metal screw. sLIPPED IT ON AND GOOD TO GO - 20 FT. tHE 40 FT ,WAS A BIT MORE- I CUT A 1 1/4 IN CONDUIT IN HALF AND STUCK EACH PIECE 30 INCHES INTO THE 1 1/2 IN STUFF AND USED A SELF TAPPING 5/16 IN BOLT. jUST SLIPPED THEM TOGETHER AND PUT A 1 1/2 IN ANT MAST THAT I HAD 4 FT INTO THE TOP 1 1/2 CONDUIT. nOW AVE A 36 FT STEEL POLE - i HAD ROAD SIGN POSTS DRIVEN 4 FT INOT THE GROUND AND BOLTED TO MAST TO THAT. e-mail me ,If you lake -de w8kq
----- Original Message -----
From: hitekgearhead@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 18, 2014 2:24 PM
Subject: [ham-antennas] support pole/tower construction idea

My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.

My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:

I was going to get two 10' sections of chain link top rail and weld/bolt/sleeve them together. For the base, I was thinking of taking the bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with concrete. The pole would be right next to the house, and where it passes the roof line/fascia it will be secured. I was also thinking of guying the top if necessary. The support lines for the dipoles could play into that quite easily.

Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?

Thanks,
Albert
KI4ORI

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31001. Need high-power high-gain omnidirectional VHF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 21:25:42 UTC
From: <wa1rkt@...>
Topic: 31001 Message: 31001

Anybody have any suggesions for a high-gain 2-meter omnidirectional vertical, something like the Diamond or Comet high-gain collinears of around 7+ dB gain, but will handle at least 500 watts of power on FM?

Something like the Diamond F-23H would almost work except that it's only rated for 350 watts and I could use just a bit more.

Thanks...

Rick WA1RKT

31002. Re: [ham-antennas] Need high-power high-gain omnidirectional VHF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-19 22:10:33 UTC
From: Mel Farrer
Topic: 31001 Message: 31002

Well, if it is light duty,, no snow or high winds, you could always put up a pair and split the feed??? For omni one above the other.

Mel, K6KBE

On Sunday, January 19, 2014 1:25 PM, "wa1rkt@..." <wa1rkt@comcast.net> wrote:

Anybody have any suggesions for a high-gain 2-meter omnidirectional vertical, something like the Diamond or Comet high-gain collinears of around 7+ dB gain, but will handle at least 500 watts of power on FM?

Something like the Diamond F-23H would almost work except that it's only rated for 350 watts and I could use just a bit more.

Thanks...

Rick WA1RKT

31003. New member here!

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 01:40:49 UTC
From: billspalding1969
Topic: 31003 Message: 31003

I am getting over 10 strokes now I will have to re-learn most of my HF knowledge. I am on a very limited budget. So I think this group will save me rom a lot of Ill spending. I will be studying the groups antennas to help me. K7crr, Bill- 73's to all!

31004. Re: [ham-antennas] New member here!

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 02:07:52 UTC
From: dale cole
Topic: 31003 Message: 31004

Welcome Bill!
Dale K8TS

From: billspalding1969 <billspalding1969@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 19, 2014 8:40 PM
Subject: [ham-antennas] New member here!

I am getting over 10 strokes now I will have to re-learn most of my HF knowledge. I am on a very limited budget. So I think this group will save me rom a lot of Ill spending. I will be studying the groups antennas to help me. K7crr, Bill- 73's to all!

31005. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 03:30:01 UTC
From: Kd8nnu
Topic: 30607 Message: 31005

Tell me more about it and your setup. I am now thinking of getting one.

What tuner do you use and how did you mount and ground yours.

Kd8nnu
Don

Sent from my Samsung Galaxy S®4

-------- Original message --------
From: aa2nh@yahoo.com
Date:01/16/2014 2:23 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: mobile hf antenna

I've been using this with really decent mobile HF
results http://www.eham.net/reviews/detail/10340

31006. Re: [ham-antennas] New member here!

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 03:36:35 UTC
From: Larry Brown
Topic: 31003 Message: 31006

Welcome Bill! I'm just a lurker and learner here but I've found a lot of knowledge freely offered here!

Larry
KG4ZAR

On Jan 19, 2014, at 8:40 PM, billspalding1969 wrote:

> I am getting over 10 strokes now I will have to re-learn most of my HF knowledge. I am on a very limited budget. So I think this group will save me rom a lot of Ill spending. I will be studying the groups antennas to help me. K7crr, Bill- 73's to all!
>
>

31007. Re: [ham-antennas] New member here!

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 08:04:11 UTC
From: Billy McFarland
Topic: 31003 Message: 31007

Hello and welcome Bill.

73 de GM0OBX billy

31008. Re: [ham-antennas] New member here!

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 10:55:23 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31003 Message: 31008

Goodness. That's a whole lot of learning to do! I hope you are listening to your doctors, and are getting enough rest.

A wire antenna will be your friend...as will some local hams to help get it up in some trees. (That will be inexpensive compared to buying things off the internet....)

What part of the country are you in?

A friend just put up an 80 meter doublet, fed by open wire (about 600 ohm --- all hand made) - That might be a bit much for you to do, but he is getting incredbile results.. (and has some nice 80' tall trees behind his house to make that possible...) - works all bands his radios work with an external tuner..(balanced feedline helps with the efficiency.)

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: billspalding1969 <billspalding1969@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, January 19, 2014 8:40 PM
Subject: [ham-antennas] New member here!

I am getting over 10 strokes now I will have to re-learn most of my HF knowledge. I am on a very limited budget. So I think this group will save me rom a lot of Ill spending. I will be studying the groups antennas to help me. K7crr, Bill- 73's to all!

31009. Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 12:24:22 UTC
From: <crrestoration@...>
Topic: 31009 Message: 31009

Can anyone direct me on how to correct SWR on 40 and 80 meters?

I have checked SWR repeatedly with antenna analyser and 40 is resonant around 6.600 and 80 is around 3.000.

I am not sure if I should lengthen or shorten that section or start messing with the capacitance spokes.

Any advice would be appreciated

31010. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 13:01:05 UTC
From: Chuck Schultz
Topic: 31009 Message: 31010

Looks like you need to lengthen nothing , so go from there . What study material did you use ? Chuck Wq5B
On 1/20/2014 6:24 AM, crrestoration@... wrote:
>
> Can anyone direct me on how to correct SWR on 40 and 80 meters?
>
> I have checked SWR repeatedly with antenna analyser and 40 is resonant
> around
>
> 6.600 and 80 is around 3.000.
>
> I am not sure if I should lengthen or shorten that section or start
> messing with the capacitance spokes.
>
> Any advice would be appreciated
>
>

31011. Innova and Force12

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 13:33:06 UTC
From: physics1@sbcglobal.net
Topic: 31011 Message: 31011

Innova seems to have taken their force 12 mods off line. Did the merger fall threw?
Carl K0YCR

31012. Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 14:31:27 UTC
From: Joe
Topic: 31012 Message: 31012
Attachments: 1 described; binary payloads are missing from this source WARC

Just thinking here, and unless my Ohm's law is way out of line here. or anything else why it shouldn't work?

OK the average LED runs pretty good at what 1.5 to 2 volts right?

In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.

Could we make an illuminated WATT / SWR meter by tapping into the RF?

I mean with only 0.04 watts of drive we already have enough voltage to light the LED.

Add in a regulator or something that will not allow any higher voltage to go to the LED even when running Legal limit, 275 volts.

This way we could have an illuminated meter without having batteries or external power supply needed.

Thoughts?

Joe WB9SBD
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

31013. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 15:02:38 UTC
From: Chuck Schultz
Topic: 31012 Message: 31013
Attachments: 1 described; binary payloads are missing from this source WARC

It could also power a real peak reading circuit & perhaps heat the
shack ! Chuck Wq5B
On 1/20/2014 8:31 AM, Joe wrote:
> Just thinking here, and unless my Ohm's law is way out of line here.
> or anything else why it shouldn't work?
>
> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>
> In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.
>
> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>
> I mean with only 0.04 watts of drive we already have enough voltage to
> light the LED.
>
> Add in a regulator or something that will not allow any higher voltage
> to go to the LED even when running Legal limit, 275 volts.
>
> This way we could have an illuminated meter without having batteries
> or external power supply needed.
>
> Thoughts?
>
> Joe WB9SBD
> --
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

31014. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 15:08:09 UTC
From: Joe
Topic: 31012 Message: 31014
Attachments: 2 described; binary payloads are missing from this source WARC

:-D
Thats what a Cantenna does he he he..

But seriously, what is wrong with this idea? here must be, otherwise
why isn't it done all the time already?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/20/2014 9:02 AM, Chuck Schultz wrote:
> It could also power a real peak reading circuit & perhaps heat the
> shack ! Chuck Wq5B
> On 1/20/2014 8:31 AM, Joe wrote:
>> Just thinking here, and unless my Ohm's law is way out of line here.
>> or anything else why it shouldn't work?
>>
>> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>>
>> In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.
>>
>> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>>
>> I mean with only 0.04 watts of drive we already have enough voltage
>> to light the LED.
>>
>> Add in a regulator or something that will not allow any higher
>> voltage to go to the LED even when running Legal limit, 275 volts.
>>
>> This way we could have an illuminated meter without having batteries
>> or external power supply needed.
>>
>> Thoughts?
>>
>> Joe WB9SBD
>> --
>> Sig
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>

31015. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 15:18:21 UTC
From: Artek Manuals
Topic: 31012 Message: 31015
Attachments: 2 described; binary payloads are missing from this source WARC

Possible to be sure ..... but the voltages involved can be quite extreme
especially under high SWR. making the over voltage regulator circuit a
bit of a challenge

Dave
NR1DX

On 1/20/2014 9:08 AM, Joe wrote:
> :-D
> Thats what a Cantenna does he he he..
>
> But seriously, what is wrong with this idea? here must be, otherwise
> why isn't it done all the time already?
>
> Joe WB9SBD
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 1/20/2014 9:02 AM, Chuck Schultz wrote:
>> It could also power a real peak reading circuit & perhaps heat the
>> shack ! Chuck Wq5B
>> On 1/20/2014 8:31 AM, Joe wrote:
>>> Just thinking here, and unless my Ohm's law is way out of line here.
>>> or anything else why it shouldn't work?
>>>
>>> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>>>
>>> In a 50 Ohm system that comes out to only 0.04 watts to get that
>>> voltage.
>>>
>>> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>>>
>>> I mean with only 0.04 watts of drive we already have enough voltage
>>> to light the LED.
>>>
>>> Add in a regulator or something that will not allow any higher
>>> voltage to go to the LED even when running Legal limit, 275 volts.
>>>
>>> This way we could have an illuminated meter without having batteries
>>> or external power supply needed.
>>>
>>> Thoughts?

>>>
>>> Joe WB9SBD
>>> --
>>> Sig
>>> The Original Rolling Ball Clock
>>> Idle Tyme
>>> Idle-Tyme.com
>>> http://www.idle-tyme.com
>>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31016. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 15:24:45 UTC
From: Original Woodchuck
Topic: 31012 Message: 31016

On Mon, Jan 20, 2014 at 09:08:09AM -0600, Joe wrote:
> :-D
> Thats what a Cantenna does he he he..
>
> But seriously, what is wrong with this idea? here must be,
> otherwise why isn't it done all the time already?
>
> Joe WB9SBD
> Sig
> The Original Rolling Ball Clock

I think it would work better with a loosely-coupled neon bulb.

Dave AB3NR

31017. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:15:03 UTC
From: Geoff NW7GM
Topic: 31012 Message: 31017

The signal would also have to be rectified to DC as the RF signal is AC.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 20, 2014 6:31 AM, "Joe" <nss@...> wrote:

> Just thinking here, and unless my Ohm's law is way out of line here. or
> anything else why it shouldn't work?
>
> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>
> In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.
>
> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>
> I mean with only 0.04 watts of drive we already have enough voltage to
> light the LED.
>
> Add in a regulator or something that will not allow any higher voltage to
> go to the LED even when running Legal limit, 275 volts.
>
> This way we could have an illuminated meter without having batteries or
> external power supply needed.
>
> Thoughts?
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>

[Non-text portions of this message have been removed]

31018. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:23:12 UTC
From: Joe
Topic: 31012 Message: 31018
Attachments: 1 described; binary payloads are missing from this source WARC

Thats true too, but how much power would you need to get it to light
bright enough?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/20/2014 9:24 AM, Original Woodchuck wrote:
> On Mon, Jan 20, 2014 at 09:08:09AM -0600, Joe wrote:
>> :-D
>> Thats what a Cantenna does he he he..
>>
>> But seriously, what is wrong with this idea? here must be,
>> otherwise why isn't it done all the time already?
>>
>> Joe WB9SBD
>> Sig
>> The Original Rolling Ball Clock
> I think it would work better with a loosely-coupled neon bulb.
>
> Dave AB3NR
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
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31019. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:27:20 UTC
From: Gerald Bishop
Topic: 31009 Message: 31019

Would think something is too long ?? Not sure what is adjustable on these ! De W8KQ
----- Original Message -----
From: crrestoration@...
To: ham-antennas@yahoogroups.com
Sent: Monday, January 20, 2014 7:24 AM
Subject: [ham-antennas] Hy-Gain AV18-AVQII

Can anyone direct me on how to correct SWR on 40 and 80 meters?

I have checked SWR repeatedly with antenna analyser and 40 is resonant around

6.600 and 80 is around 3.000.

I am not sure if I should lengthen or shorten that section or start messing with the capacitance spokes.

Any advice would be appreciated

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31020. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:28:55 UTC
From: Joe
Topic: 31012 Message: 31020
Attachments: 1 described; binary payloads are missing from this source WARC

yes and no? the Led would light on only one direction, and since it is a kazillion times faster than 50 or 60 cycle "Power" you'd never ever see the flicker true? The flicker from the modulation would be far more obvious than the flicker from the AC Freq.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/20/2014 10:15 AM, Geoff NW7GM wrote:
> The signal would also have to be rectified to DC as the RF signal is AC.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Jan 20, 2014 6:31 AM, "Joe" <nss@...> wrote:
>
>> Just thinking here, and unless my Ohm's law is way out of line here. or
>> anything else why it shouldn't work?
>>
>> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>>
>> In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.
>>
>> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>>
>> I mean with only 0.04 watts of drive we already have enough voltage to
>> light the LED.
>>
>> Add in a regulator or something that will not allow any higher voltage to
>> go to the LED even when running Legal limit, 275 volts.
>>
>> This way we could have an illuminated meter without having batteries or
>> external power supply needed.
>>
>> Thoughts?
>>
>> Joe WB9SBD
>> --
>>
>> The Original Rolling Ball Clock
>> Idle Tyme

>> Idle-Tyme.com
>> http://www.idle-tyme.com
>>
>
> [Non-text portions of this message have been removed]
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
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31021. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:34:57 UTC
From: doug pfaff
Topic: 31012 Message: 31021

Wind a small coil on the outside of the coax to avoid having to build high voltage circuits and the attendant hazards then rectify it to dc enough to give voltage to light a led.

DOUG VE5DCP

----- Original Message -----
From: Geoff NW7GM
To: ham-antennas@yahoogroups.com
Sent: Monday, January 20, 2014 8:15 AM
Subject: Re: [ham-antennas] Led Illuminated Meters

The signal would also have to be rectified to DC as the RF signal is AC.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 20, 2014 6:31 AM, "Joe" <nss@...> wrote:

> Just thinking here, and unless my Ohm's law is way out of line here. or
> anything else why it shouldn't work?
>
> OK the average LED runs pretty good at what 1.5 to 2 volts right?
>
> In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.
>
> Could we make an illuminated WATT / SWR meter by tapping into the RF?
>
> I mean with only 0.04 watts of drive we already have enough voltage to
> light the LED.
>
> Add in a regulator or something that will not allow any higher voltage to
> go to the LED even when running Legal limit, 275 volts.
>
> This way we could have an illuminated meter without having batteries or
> external power supply needed.
>
> Thoughts?
>
> Joe WB9SBD
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>

[Non-text portions of this message have been removed]

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31022. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:40:59 UTC
From: Joe
Topic: 31012 Message: 31022
Attachments: 1 described; binary payloads are missing from this source WARC

If your antenna is made correctly there shouldn't be any voltage there.
There should never be anything on the outside of the coax.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/20/2014 10:34 AM, doug pfaff wrote:
>
>
> Wind a small coil on the outside of the coax to avoid having to build
> high voltage circuits and the attendant hazards then rectify it to dc
> enough to give voltage to light a led.
> DOUG VE5DCP
>
> ----- Original Message -----
> *From:* Geoff NW7GM <mailto:geoff.nw7gm@...>
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Sent:* Monday, January 20, 2014 8:15 AM
> *Subject:* Re: [ham-antennas] Led Illuminated Meters
>
> The signal would also have to be rectified to DC as the RF signal
> is AC.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Jan 20, 2014 6:31 AM, "Joe" <nss@... <mailto:nss@...>>
> wrote:
>
> > Just thinking here, and unless my Ohm's law is way out of line
> here. or
> > anything else why it shouldn't work?
> >
> > OK the average LED runs pretty good at what 1.5 to 2 volts right?
> >
> > In a 50 Ohm system that comes out to only 0.04 watts to get that
> voltage.
> >
> > Could we make an illuminated WATT / SWR meter by tapping into
> the RF?

> >
> > I mean with only 0.04 watts of drive we already have enough
> voltage to
> > light the LED.
> >
> > Add in a regulator or something that will not allow any higher
> voltage to
> > go to the LED even when running Legal limit, 275 volts.
> >
> > This way we could have an illuminated meter without having
> batteries or
> > external power supply needed.
> >
> > Thoughts?
> >
> > Joe WB9SBD
> > --
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
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> [Non-text portions of this message have been removed]
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> <http://www.avast.com/>
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> This email is free from viruses and malware because avast!
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>

31023. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 16:50:11 UTC
From: Stan Labinsky Jr.
Topic: 31012 Message: 31023

SigThat’s why the rectify and filter approach is to be desired. A... say ten or so MFd cap would hold enough of a charge to smooth out any modulation affects. However, all bets would be off if you were monitoring SSB.

One other reason to not connect directly to the pickup... coil, or whatever is used, is that LED’s reverse voltage is not too awfully high.
You might see a situation where the forward current flow is OK but forcing the junction on in the reverse might make it warm enough to kill the lamp.
That’s why you might see a 1N400-whatever in series with the lamp wired across AC, to protect its junction from reverse punch-through.

Stan

From: Joe
Sent: Monday, January 20, 2014 11:28 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Led Illuminated Meters

yes and no? the Led would light on only one direction, and since it is a kazillion times faster than 50 or 60 cycle "Power" you'd never ever see the flicker true? The flicker from the modulation would be far more obvious than the flicker from the AC Freq.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
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http://www.idle-tyme.com

On 1/20/2014 10:15 AM, Geoff NW7GM wrote:

The signal would also have to be rectified to DC as the RF signal is AC.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 20, 2014 6:31 AM, "Joe" mailto:nss@... wrote:

Just thinking here, and unless my Ohm's law is way out of line here. or anything else why it shouldn't work?

OK the average LED runs pretty good at what 1.5 to 2 volts right?

In a 50 Ohm system that comes out to only 0.04 watts to get that voltage.

Could we make an illuminated WATT / SWR meter by tapping into the RF?

I mean with only 0.04 watts of drive we already have enough voltage to light the LED.

Add in a regulator or something that will not allow any higher voltage to go to the LED even when running Legal limit, 275 volts.

This way we could have an illuminated meter without having batteries or external power supply needed.

Thoughts?

Joe WB9SBD
--

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[Non-text portions of this message have been removed]

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31024. Re: [ham-antennas] Antenna Wire source

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 17:17:17 UTC
From: Gerald Bishop
Topic: 30963 Message: 31024

Any close out store,surplus ,salvidge types ?? Re-hab ?? Must be something. These are the places that I would first look. de Jerry,W8KQ
----- Original Message -----
From: Tom Horton
To: antennas ; cq-contest ; ctdxcc ; DFW ; George Huling ; LSDXA ; TDXS ; ntcc ; ham-antennas@yahoogroups.com
Sent: Wednesday, January 15, 2014 8:50 PM
Subject: [ham-antennas] Antenna Wire source

Any hints as to where I can locate 1000 feet of #16 or #14 copper wire (at a really good price) to rebuild my 5 band quad.

Thank you ice storm.
Thanks, Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31025. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-20 18:26:28 UTC
From: Joe Hutchens
Topic: 31009 Message: 31025
Attachments: 2 described; binary payloads are missing from this source WARC

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[ Attachment content not displayed ]
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31026. RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 02:20:30 UTC
From: <aa2nh@...>
Topic: 30607 Message: 31026

I use a LDG YT-100 tuner and it tunes the Alpha MOTO on all the bands its' manufacturer states. It works really well on 6 through 20 meters and surprisingly well on 40 meters. On 80 meters I've only had 2 QSOs and they were in my same State, but I don't use that band much.

I mounted it on the lip of my front fender where the hood comes and hides the bolts on the Alpha Jam Mount, all of which I bought from http://AmateurRadioStore.com (tuner, antenna, & mount).

31027. Re: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 03:09:59 UTC
From: Keith
Topic: 30607 Message: 31027

I'm new to HF. However, I, too, use an Alpha MOTO Sr. Although, I have a 102" whip attached to mine and use the LDG AT200PROII Tuner with my Icom IC-7000. It tunes 160-6 meters without any problems. I use this setup as my backup for my Micom radio for the Civil Air Patrol, not that we have anything in the 6 meter band, but we do work 1.6-30 MHz. I currently have one antenna sticking straight up for DXing. I plan to add a second one on the other side of my van and fold it down & toward the front for NVIS work and switch between the two when needed.

Sent from my iPhone...Please forgive me for any possible typos. :-)

31028. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 03:36:48 UTC
From: <crrestoration@...>
Topic: 31009 Message: 31028

Thank you Joe,

The antenna is ground mounted, I have adjusted all the other bands almost perfectly.

I have adjusted "E" to no avail starting at the recommended 22"

I will try removing 1 spoke from 40 just to see where that goes,
at least this will give me some idea.

Chris

31029. RE: Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 04:16:41 UTC
From: <k0idx@...>
Topic: 31009 Message: 31029

be careful here, lengthening under a loading coil - which is what a trap is if not on its resonant freq. - can actually raise resonant freq on lower bands. the higher the coil is placed electrically it becomes less effective. There was an artical in QST in the 70's - maybe by W2FMI, on a 14AVQ if I recall correctly that discussed this.

31030. RE: [ham-antennas] Re: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 04:20:58 UTC
From: William Collister
Topic: 30607 Message: 31030

OK, my question is to all who like this antenna...why pay $200 for an antenna that still has to have a tuner to work all bands? I can do that with a much less expensive antenna. What an I missing?
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: kdbrady1963@...
Date: Mon, 20 Jan 2014 21:09:59 -0600
Subject: [ham-antennas] Re: mobile hf antenna

I'm new to HF. However, I, too, use an Alpha MOTO Sr. Although, I have a 102" whip attached to mine and use the LDG AT200PROII Tuner with my Icom IC-7000. It tunes 160-6 meters without any problems. I use this setup as my backup for my Micom radio for the Civil Air Patrol, not that we have anything in the 6 meter band, but we do work 1.6-30 MHz. I currently have one antenna sticking straight up for DXing. I plan to add a second one on the other side of my van and fold it down & toward the front for NVIS work and switch between the two when needed.

Sent from my iPhone...Please forgive me for any possible typos. :-)

31031. Re: [ham-antennas] Re: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 05:29:23 UTC
From: dean
Topic: 30607 Message: 31031

Can you work all bands at 70 miles per hour or 112 km. Its like using a screwdriver antenna without any moving parts. If you do what antenna is it.

73, WY6L

From: William Collister
Sent: Monday, January 20, 2014 8:20 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: mobile hf antenna

OK, my question is to all who like this antenna...why pay $200 for an antenna that still has to have a tuner to work all bands? I can do that with a much less expensive antenna. What an I missing?
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: kdbrady1963@...
Date: Mon, 20 Jan 2014 21:09:59 -0600
Subject: [ham-antennas] Re: mobile hf antenna

I'm new to HF. However, I, too, use an Alpha MOTO Sr. Although, I have a 102" whip attached to mine and use the LDG AT200PROII Tuner with my Icom IC-7000. It tunes 160-6 meters without any problems. I use this setup as my backup for my Micom radio for the Civil Air Patrol, not that we have anything in the 6 meter band, but we do work 1.6-30 MHz. I currently have one antenna sticking straight up for DXing. I plan to add a second one on the other side of my van and fold it down & toward the front for NVIS work and switch between the two when needed.

Sent from my iPhone...Please forgive me for any possible typos. :-)

31032. Re: Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 09:21:29 UTC
From: Cyt
Topic: 31012 Message: 31032

Put two of 'em back to back, and use the waveform coming and going! Cheers, Kit, GW8DSO, Swansea, UK.

--- In ham-antennas@yahoogroups.com, Joe <nss@...> wrote:
>
> yes and no? the Led would light on only one direction, and since it is a
> kazillion times faster than 50 or 60 cycle "Power" you'd never ever see
> the flicker true? The flicker from the modulation would be far more
> obvious than the flicker from the AC Freq.
>
> Joe WB9SBD
> Sig
> The Original Rolling Ball Clock
>

31033. Re: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 13:51:20 UTC
From: Keith
Topic: 30607 Message: 31033

Let me start off by apologizing if this reply does not get in the digest in the correct spot. The Alpha MOTO is designed as a multi-band antenna. You do not need to use a tuner with it. I choose to use a tuner because it reassures me that I'm getting the best SWR and the best power output that I can. In addition, it does allow the tuning of the 160 meter band, which the Alpha is not guaranteed to do with the supplied whip. I think, just off the top of my head, it is 6 to 80 meters, depending on the length of the whip you are using. There is a video on their website, that demonstrates the ease of use of the Alpha. https://amateurradiostore.com/all-alpha-antennas-c-2/mobile-alpha-moto-sr-easily-tune-680-meters-500-watts-p-164?zenid=uh29ps9l6k50aifu4q8mvbi1t0

I like the Alpha a lot better than the Littlle Tarheel. So, if anyone is interested, I'm selling a Little Tarhel with Super tuner with cable for the Icom IC-7000. I've had it less than a month. 73 KB0CAP

Sent from my iPhone...Please forgive me for any possible typos. :-)

31034. RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 13:56:18 UTC
From: <aa2nh@...>
Topic: 30607 Message: 31034

The cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31035. RE: Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 14:23:50 UTC
From: <bk915@...>
Topic: 31009 Message: 31035

I have an old 14AVQ. I have found that the dimensions/lengths of tubes vary greatly between different vintages of the model. I had to match up the pn's of the traps with an older manual. The current one at hygain/mfj is completely different. Then after all that I discover I have the tubes for the roof mounted version and I want to ground mount it!

Bill
W2NVD

31036. AW: [ham-antennas] Re: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 16:05:58 UTC
From: siegfried jackstien
Topic: 30607 Message: 31036

>
> Can you work all bands at 70 miles per hour or 112 km. Its like using a
> screwdriver antenna without any moving parts. If you do what antenna is
> it.

I used a "milwhip" with fc1000 tuner ... worked all bands and I could drive
200mph with it (if my car would be that fast) ... tested with 200+ km/h

Military whip antenna was cheap from a flewmarket

Dg9bfc

Sigi

31037. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 22:50:38 UTC
From: Andy
Topic: 31012 Message: 31037

Interesting question, Joe. There are simple circuits that light up an LED in the presence of RF power, even give you a relative indication of power level (or SWR level) from the LED's brightness. I see them built into homebrew QRP antenna tuners. You switch them in to tune the antenna/tuner, then switch them out. Often that's because the SWR bridge is a simple resistor bridge not a directional coupler, and it uses too much RF power to get a usable SWR indication.

I think it's not a great idea to have the LED directly across the RF terminals. Yes it's a diode, but a bad one for RF. Probably too slow, and probably quite a lot of junction capacitance, and I don't know what else ... not the kind of thing you want to hang across an RF line. So you probably want to rectify first with a good fast RF diode, then think about applying DC to the LED.

The act of hanging something across RF that actively rectifies it, even if it only steals a little of the RF, will generate harmonics, and that's not good. If you can make the "device hung across the RF" look like a linear resistance, and a very large resistance, that would be best.

So what do you want your LED to show? Just an RF presence indicator, that gets brighter or dimmer? Or a series of LEDs in a bargraph display? Or a complete digital readout, showing Pout and SWR?

There are some nifty voltage regulator ICs that work on much less voltage than a dead AA battery, and step it up to something useful. So there are possibilities.

Regards,
Andy

31038. Re: [ham-antennas] Led Illuminated Meters

Yahoo group: ham-antennas (2014)
Date: 2014-01-21 22:54:46 UTC
From: Richard Solomon
Topic: 31012 Message: 31038

OK, enough of this new-fangled stuff ... get an old NE-2 Neon Lamp and stick
a loop of wire on it !!

As an added bonus, if you have parasitics, you can tell the frequency region
by the color.

73, Dick, W1KSZ

On Tue, Jan 21, 2014 at 3:50 PM, Andy <ai.egrps@...> wrote:

>
>
> Interesting question, Joe. There are simple circuits that light up an LED
> in the presence of RF power, even give you a relative indication of power
> level (or SWR level) from the LED's brightness. I see them built into
> homebrew QRP antenna tuners. You switch them in to tune the antenna/tuner,
> then switch them out. Often that's because the SWR bridge is a simple
> resistor bridge not a directional coupler, and it uses too much RF power to
> get a usable SWR indication.
>
> I think it's not a great idea to have the LED directly across the RF
> terminals. Yes it's a diode, but a bad one for RF. Probably too slow, and
> probably quite a lot of junction capacitance, and I don't know what else
> ... not the kind of thing you want to hang across an RF line. So you
> probably want to rectify first with a good fast RF diode, then think about
> applying DC to the LED.
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> The act of hanging something across RF that actively rectifies it, even if
> it only steals a little of the RF, will generate harmonics, and that's not
> good. If you can make the "device hung across the RF" look like a linear
> resistance, and a very large resistance, that would be best.
>
> So what do you want your LED to show? Just an RF presence indicator, that
> gets brighter or dimmer? Or a series of LEDs in a bargraph display? Or a
> complete digital readout, showing Pout and SWR?
>
> There are some nifty voltage regulator ICs that work on much less voltage
> than a dead AA battery, and step it up to something useful. So there are
> possibilities.
>
> Regards,
> Andy
>
>

>
>

31039. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 02:49:52 UTC
From: William Collister
Topic: 30607 Message: 31039

A whip of any reasonable length and a tuner does the same thing. A friend of mine does well with an 80M hamstick and his tuner for a lot less money. Is it perfect? Show me one that is! I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me. I have a military whip and mount for about $50 that works with my SGC tuner. It's longer than 62 inches, but works well. I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit. I am viewing this with an open mind, and wouldn't mind trying it actually. Just have limited $$$.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan 2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf antenna

The cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31040. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 03:37:24 UTC
From: <aa2nh@...>
Topic: 30607 Message: 31040

I suppose if that Alpha MOTO antenna was $200 I could see the point, but it's been on sale for a lot less by the manufacturer for a long time.

31041. Re: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 04:41:51 UTC
From: dean
Topic: 30607 Message: 31041

I understand Bill. I have a 20M Sierra Slim (hamstick) that does not need a tuner. In fact my 10M to 20 meter ones do not need a tuner. My original question to you was can you change your hamsticks out without stopping your vehicle. That is not going to happen. You are mentioning just one frequency. He was mentioning from 80 M to 6 M's.

I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick. Not much fun and $200 is far cheaper than going to a screwdriver antenna.

I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors. If I can scrape $200 together I would buy one.

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

A whip of any reasonable length and a tuner does the same thing. A friend of mine does well with an 80M hamstick and his tuner for a lot less money. Is it perfect? Show me one that is! I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me. I have a military whip and mount for about $50 that works with my SGC tuner. It's longer than 62 inches, but works well. I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit. I am viewing this with an open mind, and wouldn't mind trying it actually. Just have limited $$$.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan 2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf antenna

The cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat,

where I have a 9 position band switch with seven coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31042. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 05:38:51 UTC
From: William Collister
Topic: 30607 Message: 31042

Maybe you missed one item, or overlooked it. My friend uses the 80M stick and tuner for all band work. That is a cheaper alternative that I see. Better? dunno. Does work, however. All mobile work in the HF region is iffy and at times pretty sketchy anyway. Still, I like seeing other possibilities, even if they might not work for me. Heck, at the base I use a B&W folded dipole. It works for me, I was kind of thinking that this MOTO was a dummy load type of thing also over it's reported bandwidth. Getting signals out & back are still successes, no matter what you use!
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 20:41:51 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

I understand Bill. I have a 20M Sierra Slim (hamstick) that does not need a tuner. In fact my 10M to 20 meter ones do not need a tuner. My original question to you was can you change your hamsticks out without stopping your vehicle. That is not going to happen. You are mentioning just one frequency. He was mentioning from 80 M to 6 M’s.

I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick. Not much fun and $200 is far cheaper than going to a screwdriver antenna.

I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors. If I can scrape $200 together I would buy one.

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: mobile hf antenna

A whip of any reasonable length and a tuner does the same thing. A friend of mine does well with an 80M hamstick and his tuner for a lot less money. Is it perfect? Show me one that is! I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me. I have a military whip and mount for about $50 that works with my SGC tuner. It's longer than 62 inches, but works well. I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit. I am viewing this with an open mind, and wouldn't mind trying it actually. Just have limited $$$.

Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan
2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf
antenna

The
cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31043. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 05:48:24 UTC
From: William Collister
Topic: 30607 Message: 31043

OK, MSRP of $199 & on sale for less.
MOBILE - Alpha MOTO Sr Easily Tune 6-80 Meters 500 WattsAlpha MOTO Sr Mobile 6-80 Meter QRP - 500 Watt Antenna All Alpha Antenna systems are handmade & built to order at our shop in Greenwood, MO. We...$199.00 $139.00
Save: 30% off

Add:

It still makes them think that it is a $200 antenna.... Still need a tuner according to them to go below 40M.
==========
OVERALL OPERATION - The entire antenna system is specifically designed for 6 through 40 Meter mobile operations. In addition to allowing you to tune 6-40 meters, it will also allow you to tune 60-80 Meters when properly grounded. The optional Alpha Jam Mount will give you a well grounded installation for full use of 6-40 meters and enable you to tune these bands plus 60-80 meters with an automatic or manual antenna tuner.

TUNING THE MOTO - All native SWRs, when necessesary, can be tuned with an antenna tuner, because they are between 1.4:1 on the higher bands to 5.4:1 on the lower bands.
==========
Therein is the reason I said it was actually more expensive, since for "all band" it needs a separate tuner!
Bill
N7MOG
To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan 2014 19:37:24 -0800
Subject: RE: [ham-antennas] RE: mobile hf antenna

I suppose if that Alpha MOTO antenna was $200 I could see the point, but it's been on sale for a lot less by the manufacturer for a long time.

31044. Re: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 05:52:00 UTC
From: dean
Topic: 30607 Message: 31044

You did not make that clear only that he did it on 80 meters. So your saying if we have an 80 M hamstick and a tuner we can work 80 M to 6 M?

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 9:38 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

Maybe you missed one item, or overlooked it. My friend uses the 80M stick and tuner for all band work. That is a cheaper alternative that I see. Better? dunno. Does work, however. All mobile work in the HF region is iffy and at times pretty sketchy anyway. Still, I like seeing other possibilities, even if they might not work for me. Heck, at the base I use a B&W folded dipole. It works for me, I was kind of thinking that this MOTO was a dummy load type of thing also over it's reported bandwidth. Getting signals out & back are still successes, no matter what you use!
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 20:41:51 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

I understand Bill. I have a 20M Sierra Slim (hamstick) that does not need a tuner. In fact my 10M to 20 meter ones do not need a tuner. My original question to you was can you change your hamsticks out without stopping your vehicle. That is not going to happen. You are mentioning just one frequency. He was mentioning from 80 M to 6 M’s.

I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick. Not much fun and $200 is far cheaper than going to a screwdriver antenna.

I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors. If I can scrape $200 together I would buy one.

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

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To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan 2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf antenna

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31045. RE: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 07:37:39 UTC
From: William Collister
Topic: 30607 Message: 31045

That's his claim. I know how active he is on 20, 40 & 80, so I believe him. I have a military whip (multiple sections) and an SGC, as well as a Hi-Q for a different vehicle. I guess it just depends on what you want to use...maybe flavor of the month? Remember the big pull for the G5RV and then the Zepps? Now I'd lean toward a 160M horizontal loop (I have the space). It's all fun and interesting, huh?
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 21:52:00 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

You did not make that clear only that he did it on 80 meters. So your saying if we have an 80 M hamstick and a tuner we can work 80 M to 6 M?

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 9:38 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: mobile hf antenna

Maybe you missed one item, or overlooked it. My friend uses the 80M stick and tuner for all band work. That is a cheaper alternative that I see. Better? dunno. Does work, however. All mobile work in the HF region is iffy and at times pretty sketchy anyway. Still, I like seeing other possibilities, even if they might not work for me. Heck, at the base I use a B&W folded dipole. It works for me, I was kind of thinking that this MOTO was a dummy load type of thing also over it's reported bandwidth. Getting signals out & back are still successes, no matter what you use!
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 20:41:51 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

I understand Bill. I have a 20M Sierra Slim (hamstick) that does not need a tuner. In fact my 10M to 20 meter ones do not need a tuner. My original question to you was can you change your hamsticks out without stopping your vehicle. That is not going to happen. You are

mentioning just one frequency. He was mentioning from 80 M to 6 M’s.

I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick. Not much fun and $200 is far cheaper than going to a screwdriver antenna.

I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors. If I can scrape $200 together I would buy one.

73, WY6L

From: William
Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: mobile hf antenna

A whip of any reasonable length and a tuner does the same thing. A friend of mine does well with an 80M hamstick and his tuner for a lot less money. Is it perfect? Show me one that is! I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me. I have a military whip and mount for about $50 that works with my SGC tuner. It's longer than 62 inches, but works well. I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit. I am viewing this with an open mind, and wouldn't mind trying it actually. Just have limited $$$.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan
2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf
antenna

The
cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven

coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31046. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 12:57:28 UTC
From: <crrestoration@...>
Topic: 31009 Message: 31046

Pulled the antenna down a few times yesterday,
Took 1 spoke off of 40 meter, resonance went from 6.750 to 7.000.

Removed 1 spoke from 80 meters, not enough so I removed a second spoke and resonance went from 3.000 to 4.200, too far/toomuch.

31047. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 13:16:55 UTC
From: Gerald Bishop
Topic: 31009 Message: 31047

Do you have the paper work for the ant ?
----- Original Message -----
From: crrestoration@...
To: ham-antennas@yahoogroups.com
Sent: Wednesday, January 22, 2014 7:57 AM
Subject: Re: [ham-antennas] Hy-Gain AV18-AVQII

Pulled the antenna down a few times yesterday,

Took 1 spoke off of 40 meter, resonance went from 6.750 to 7.000.

Removed 1 spoke from 80 meters, not enough so I removed a second spoke and resonance went from 3.000 to 4.200, too far/toomuch.

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31048. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 13:56:41 UTC
From: Joe Hutchens
Topic: 31009 Message: 31048
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

31049. Mobile HF Antenna - MOBILE - Alpha MOTO Sr Easily Tune 6-80 Meters 500 Watts

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 14:04:15 UTC
From: WD8ARZ
Topic: 30607 Message: 31049

Hello Bill, another HiQ Screwdriver user here too.

Have considered a second hf antenna on my Trail Blazer. That way I could use it for say APRS on HF, while continuing to operate voice on the HiQ. Being ale to monitor on two hf frequencies full time would have some uses for me. Would of course have to protect the receiver front ends from harmonics and the fundamental frequency accidental tune in .... hi .... and the tuning effect of one antenna on the other, etc Looks like the Alpha MOTO Sr would mount off the front of the Trail Blazer very easily, and place some distance to the HiQ mounted on the rear. Have used such arrangement in the past, plus a center roof mount on a station wagon.

Have read over the eHamnet reviews, and as usual the reports of 'how great' it works on 10-20 and how much DX was worked, is not very useful to me. Even for 40 meters when the band is open. Heck, when 10 - 40 are open, you can work the world on a wet noodle and five watts. That goes for all hf mobile antenna reviews regardless of brand. Love operating on those bands hf mobile, and I do it a lot. Heck, even discovered a group of AM hams operating on 15 meters on my last trip couple weeks ago while traveling from TN to Indiana .... hi hi

For me, I must be able to have performance on 80 - 160 meters. That is where the Q of an antenna and its radiation efficiency, start to sort out the actual performance of one hf mobile antenna to another. Certainty the high quality of materials, design and attention to detail go along way too, and this product appears to be one of those.

To be clear, I am Not knocking this antenna, in fact I am very interested in it even though I do have a better mobile hf antenna now (for 40 - 160 where the differences turn up). It is not even about a 'shoot out' of this antenna against other brands - there are lots of problems with those evaluations too by the way .... hi

Like the web site, good information provided, and the owner sounds like a great guy I would enjoy doing business with ... and some day after other priorities are taken care of, I will pursue a possible purchase. Based on the SWR performance as detailed in the user manual page 5, I would say a tuner is needed to help keep the transmitter power from reducing. http://alphaantenna.com/pdf/Alpha_Antenna_MOTO_User_Guide.pdf - That adds to the total cost factor.

For my only HF mobile antenna, I will stay with the HiQ (plan on getting another the 6/160 for better efficiency yet on 160), but as an additional or back up antenna, or just for 10-20, yep, looks like this

Alpha MOTO Sr would be a good one to try out.

73 from Bill - WD8ARZ

On 1/22/2014 2:37 AM, William Collister wrote:
>
>
> That's his claim. I know how active he is on 20, 40 & 80, so I
> believe him. I have a military whip (multiple sections) and an SGC,
> as well as a Hi-Q for a different vehicle. I guess it just depends on
> what you want to use...maybe flavor of the month? Remember the big
> pull for the G5RV and then the Zepps? Now I'd lean toward a 160M
> horizontal loop (I have the space). It's all fun and interesting, huh?
> Bill
> N7MOG

31050. Re: support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 16:14:53 UTC
From: mark_pope_kf7uzr
Topic: 30989 Message: 31050

Rich,

I viewed your plan for the tilt up mast. Would really like to try building one. So it's good for 30 ft. from what you stated? I didn't see any in your pictures but does it have to be guyed? I have a Mosley TA33jr that I really need to get up in the air. I was hoping to buy a tower but circumstances say this wont happen anytime soon. But this project I could swing. The MOsley weighs about 25 lbs. Not sure about the rotor. We are very limited on what we can buy here. Any suggestions on where one might find the tubing and pipe? We have access to Lowes and Home Depot. But they are over an hour away.

Thanks
MArk/W7MCP

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>

wrote:
>
> Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html
>
> Look at the sketch and then there are a few pictures of it in the album. You will also find plans and pictures of a 40ft support that holds up my rotor, beam, large loop and 160/80 dipole in my album. Sorry I donâ□□t have any citified plans but hillbilly engineering is all I know.
>
> This could be made smaller or larger according to your layout and room.
>
>
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead@...
> Sent: Saturday, January 18, 2014 1:24 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] support pole/tower construction idea
>
>
>
>
>
> My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I

had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.
>
> My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:
>
> I was going to get two 10' sections of chain link top rail and weld/bolt/sleeve them together. For the base, I was thinking of taking the bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with concrete. The pole would be right next to the house, and where it passes the roof line/fascia it will be secured. I was also thinking of guying the top if necessary. The support lines for the dipoles could play into that quite easily.
>
> Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?
>
> Thanks,
> Albert
> KI4ORI
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

31051. HF Mobile - Links Of Interest

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 17:06:02 UTC
From: WD8ARZ
Topic: 30607 Message: 31051

For those interested in HF Mobile operation, there is an interesting discussion going on that your welcome to participate in.

Regards and 73 from Bill - WD8ARZ
==========
Over the last few months a lot of different topics have been covered about HF Mobile.

Many of my comments have been rather specific and detailed about equipment, antenna's, installation and operation.

Am wondering now if there is not some value to getting back to the basics. After all, we don't normally launch into various aspects of our hobby with full blown systems. Generally I suppose we start out simple, using what we have, make, modify, can borrow or buy on the cheap.

With that in mind, I would like to propose that those who are already into hf mobile, encourage, support and aid others to join in, but to focus on just the basics. What about encourage those that have never done hf mobile, to give it a try at the most minimum level using what they already have, or can get their hands on.

Point being?

Unless the HF Mobile Bug bites one, no need to go the extra time and expense. However note that the effort for the most basic system still requires most of what better systems can grow out of this initial exploring effort. Such as:

* Power take off location, and safety
* Antenna to use, and safety
* How and where to mount antenna
* Where to place mobile radio and safety

In other words, what is the minimum it takes to get on the air from a hf mobile that can drive at high way speeds, using what is at hand or cheaply available.

If and when the bug then really takes hold, the HF Mobile System can grow as time, budget and equipment becomes available to enhance the operation. Not to mention discovering how useful HF Mobile Operation can be to an individual operator, but also as a resource to support other aspects of amateur radio activities.

One resource I can share here, is the various other reflectors where this topic has come up:
http://mailman.qth.net/mailman/listinfo/mobile-portable

http://groups.yahoo.com/group/ARPortable/
http://groups.yahoo.com/neo/groups/ham-antennas/info
http://ca.groups.yahoo.com/neo/groups/Ham_radio_remote_base/info
http://groups.yahoo.com/neo/groups/hfnow/info
http://groups.yahoo.com/neo/groups/hiqantennas/info
http://mailman.qth.net/mailman/listinfo/icom/
http://mailman.qth.net/mailman/listinfo/kenwood
http://groups.yahoo.com/neo/groups/TS-480/info
http://groups.yahoo.com/neo/groups/screwdriverantenna/info
http://lists.contesting.com/mailman/listinfo/yaesu

Please feel free to share links that would fit this topic you are aware of.

Everyone's thoughts on this topic would be much appreciated.

73 from Bill - WD8ARZ

31052. Re: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 21:17:20 UTC
From: dean
Topic: 30607 Message: 31052

I’m sitting on 8 acres of land. Problem with it is its not flat. I sit or the property does on the side of a mountain. got 3 flat areas just downhill from each other. My radio is at the top but I don’t have the $$$$$$ to put up towers to support the loop.

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 11:37 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

That's his claim. I know how active he is on 20, 40 & 80, so I believe him. I have a military whip (multiple sections) and an SGC, as well as a Hi-Q for a different vehicle. I guess it just depends on what you want to use...maybe flavor of the month? Remember the big pull for the G5RV and then the Zepps? Now I'd lean toward a 160M horizontal loop (I have the space). It's all fun and interesting, huh?
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 21:52:00 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

You did not make that clear only that he did it on 80 meters. So your saying if we have an 80 M hamstick and a tuner we can work 80 M to 6 M?

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 9:38 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

Maybe you missed one item, or overlooked it. My friend uses the 80M stick and tuner for all band work. That is a cheaper alternative that I see. Better? dunno. Does work, however. All mobile work in the HF region is iffy and at times pretty sketchy anyway. Still, I like seeing other possibilities, even if they might not work for me. Heck, at the base I use a B&W folded dipole. It works for me, I was kind of thinking that this MOTO was a dummy load type of thing also over it's reported bandwidth. Getting signals out & back are still successes, no matter what you use!
Bill
N7MOG

To: ham-antennas@yahoogroups.com

From: deanf@...
Date: Tue, 21 Jan 2014 20:41:51 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

I understand Bill. I have a 20M Sierra Slim (hamstick) that does not need a tuner. In fact my 10M to 20 meter ones do not need a tuner. My original question to you was can you change your hamsticks out without stopping your vehicle. That is not going to happen. You are mentioning just one frequency. He was mentioning from 80 M to 6 M’s.

I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick. Not much fun and $200 is far cheaper than going to a screwdriver antenna.

I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors. If I can scrape $200 together I would buy one.

73, WY6L

From: William Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna

A whip of any reasonable length and a tuner does the same thing. A friend of mine does well with an 80M hamstick and his tuner for a lot less money. Is it perfect? Show me one that is! I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me. I have a military whip and mount for about $50 that works with my SGC tuner. It's longer than 62 inches, but works well. I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit. I am viewing this with an open mind, and wouldn't mind trying it actually. Just have limited $$$.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@...
Date: Tue, 21 Jan 2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf antenna

The cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven coaxial cables running to 9 independently

mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

31053. RE: [ham-antennas] Re: support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 21:47:15 UTC
From: Richard Schmuke
Topic: 30989 Message: 31053

I don’t know about your location but around here most people live in houses with a basement. The basements have a “I” beam down the center and steel post, for support steel angle above the basement windows to provide support for load bearing walls so if you have homes there is a steel shop close by. Check the net for location of steel shops and also a scrap yard is cheaper. Lowes and Home Depot do not carry standard steel pipe. They do carry 10 sections of rigid conduit.

I had a 3 element 15 meter beam and a CD45 rotor on it for several years with no guy wires. When I went to 40 ft plus with the other design and on a open hill top I added guy wires. Here is a first install picture, before guy wires.

http://s1102.photobucket.com/user/KD0ZZ/media/HomeMadeTiltover_zps99b8d6e7.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of mark_pope_kf7uzr
Sent: Wednesday, January 22, 2014 10:15 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: support pole/tower construction idea

Rich,

I viewed your plan for the tilt up mast. Would really like to try building one. So it's good for 30 ft. from what you stated? I didn't see any in your pictures but does it have to be guyed? I have a Mosley TA33jr that I really need to get up in the air. I was hoping to buy a tower but circumstances say this wont happen anytime soon. But this project I could swing. The MOsley weighs about 25 lbs. Not sure about the rotor. We are very limited on what we can buy here. Any suggestions on where one might find the tubing and pipe? We have access to Lowes and Home Depot. But they are over an hour away.

Thanks
MArk/W7MCP

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>

wrote:
>
> Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html
>
> Look at the sketch and then there are a few pictures of it in the album. You will also find plans and pictures of a 40ft support that holds up my rotor, beam, large loop and 160/80 dipole in my album. Sorry I donâ€™t have any citified plans but hillbilly engineering is all I know.

>
> This could be made smaller or larger according to your layout and room.
>
>
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead@...
> Sent: Saturday, January 18, 2014 1:24 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] support pole/tower construction idea
>
>
>
>
>
> My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.
>
> My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:
>
> I was going to get two 10' sections of chain link top rail and weld/bolt/sleeve them together. For the base, I was thinking of taking the bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with concrete. The pole would be right next to the house, and where it passes the roof line/fascia it will be secured. I was also thinking of guying the top if necessary. The support lines for the dipoles could play into that quite easily.
>
> Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?
>
> Thanks,
> Albert
> KI4ORI
>
>
>
>
>
> [Non-text portions of this message have been removed]
>

[Non-text portions of this message have been removed]

31054. Re: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 21:29:08 UTC
From: james
Topic: 30607 Message: 31054

i am sitting here on the side line i live in springfield or and iam in
the mtns with your land i do not know were your land is but you can but
up a nice dipole with your land your choice very cheap
On 1/22/2014 1:17 PM, dean wrote:
>
> I?m sitting on 8 acres of land. Problem with it is its not flat. I
> sit or the property does on the side of a mountain. got 3 flat areas
> just downhill from each other. My radio is at the top but I don?t
> have the $$$$$$ to put up towers to support the loop.
> 73, WY6L
> *From:* William Collister <mailto:n7mog@...>
> *Sent:* Tuesday, January 21, 2014 11:37 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* RE: [ham-antennas] RE: mobile hf antenna
>
> That's his claim. I know how active he is on 20, 40 & 80, so I
> believe him. I have a military whip (multiple sections) and an SGC,
> as well as a Hi-Q for a different vehicle. I guess it just depends on
> what you want to use...maybe flavor of the month? Remember the big
> pull for the G5RV and then the Zepps? Now I'd lean toward a 160M
> horizontal loop (I have the space). It's all fun and interesting, huh?
> Bill
> N7MOG
>
> ---
> To: ham-antennas@yahoogroups.com
> From: deanf@...
> Date: Tue, 21 Jan 2014 21:52:00 -0800
> Subject: Re: [ham-antennas] RE: mobile hf antenna
>
> You did not make that clear only that he did it on 80 meters. So your
> saying if we have an 80 M hamstick and a tuner we can work 80 M to 6 M?
> 73, WY6L
> *From:* William Collister <mailto:n7mog@...>
> *Sent:* Tuesday, January 21, 2014 9:38 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* RE: [ham-antennas] RE: mobile hf antenna
>
> Maybe you missed one item, or overlooked it. My friend uses the 80M
> stick and tuner for all band work. That is a cheaper alternative that
> I see. Better? dunno. Does work, however. All mobile work in the
> HF region is iffy and at times pretty sketchy anyway. Still, I like
> seeing other possibilities, even if they might not work for me. Heck,
> at the base I use a B&W folded dipole. It works for me, I was kind of
> thinking that this MOTO was a dummy load type of thing also over it's

> reported bandwidth. Getting signals out & back are still successes,
> no matter what you use!
> Bill
> N7MOG
>
>
> ---
> To: ham-antennas@yahoogroups.com
> From: deanf@...
> Date: Tue, 21 Jan 2014 20:41:51 -0800
> Subject: Re: [ham-antennas] RE: mobile hf antenna
>
> I understand Bill. I have a 20M Sierra Slim (hamstick) that does not
> need a tuner. In fact my 10M to 20 meter ones do not need a tuner.
> My original question to you was can you change your hamsticks out
> without stopping your vehicle. That is not going to happen. You are
> mentioning just one frequency. He was mentioning from 80 M to 6 M?s.
> I primarily talk on 20 meters but if I want to talk on 10 meters then
> I have to pull over and get out and change my hamstick. Not much fun
> and $200 is far cheaper than going to a screwdriver antenna.
> I know there are a lot of hams out there that can do the same with
> some homebrewed stuff but I no longer can homebrew anything do to my
> tremors. If I can scrape $200 together I would buy one.
> 73, WY6L
> *From:* William Collister <mailto:n7mog@...>
> *Sent:* Tuesday, January 21, 2014 6:49 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* RE: [ham-antennas] RE: mobile hf antenna
>
> A whip of any reasonable length and a tuner does the same thing. A
> friend of mine does well with an 80M hamstick and his tuner for a lot
> less money. Is it perfect? Show me one that is! I just wonder about
> a $200 antenna that still needs a tuner to work...that equates to a
> $400+ antenna system to me. I have a military whip and mount for about
> $50 that works with my SGC tuner. It's longer than 62 inches, but
> works well. I admire many different solutions, just trying to figure
> out if this is $200 worth of snake oil or a real benefit. I am
> viewing this with an open mind, and wouldn't mind trying it actually.
> Just have limited $$$.
> Bill
> N7MOG
>
> ---
> To: ham-antennas@yahoogroups.com
> From: aa2nh@...
> Date: Tue, 21 Jan 2014 05:56:18 -0800
> Subject: [ham-antennas] RE: mobile hf antenna
>
> The cheapest decent mobile antenna is the Alpha MOTO. Consider the
> options; Hamsticks used to be considered the least expensive way to

> get on the air, but you'll pay $20 per band. The MOTO will hand you 10
> bands, which is $200 worth of Hamsticks. Plus you don't have to stop
> your car every time you want to change bands. Look around some more on
> how people are using their Hamsticks and you'll see they are using
> antenna tuners to get a little more band coverage out of them as a
> Hamstick give you about 15% to 20% of usable bandwidth for each band.
> That sounds like more of a ripoff now that I've actually typed and
> re-read it! The Hamstick is also around 6 1/2 feet long. I have owned
> and used Hamsticks and they hit nearly every tree out there and I
> can't pull into my garage, not the case with the MOTO at only 62
> inches long. Hamsticks have their place, and I've found that place is
> on my boat, where I have a 9 position band switch with seven coaxial
> cables running to 9 independently mounted Hamsticks. After all, I'd
> already spent he money on them and couldn't see them go to waste. I'd
> have not bought them if I had to start over though, but then again,
> the MOTO wasn't available till 4 years ago. Got another idea of a
> cheaper antenna that'll give me all the bands? Please let me know what
> it is! I'd love to try it.
>
>
>
>
>

31055. Re: [ham-antennas] RE: mobile hf antenna???

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 21:53:14 UTC
From: WD8ARZ
Topic: 30607 Message: 31055

... and this applies to hf mobile how?

Bill

On 1/22/2014 4:17 PM, dean wrote:
>
>
> I?m sitting on 8 acres of land. Problem with it is its not flat. I
> sit or the property does on the side of a mountain. got 3 flat areas
> just downhill from each other. My radio is at the top but I don?t have
> the $$$$$$ to put up towers to support the loop.
> 73, WY6L
>

31056. Re: [ham-antennas] RE: mobile hf antenna???

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 21:54:01 UTC
From: WD8ARZ
Topic: 30607 Message: 31056

... and this applies to mobile hf antenna how???

Bill

On 1/22/2014 4:29 PM, james wrote:
>
>
> i am sitting here on the side line i live in springfield or and iam in
> the mtns with your land i do not know were your land is but you can
> but up a nice dipole with your land your choice very cheap
> On 1/22/2014 1:17 PM, dean wrote:
>> ?

31057. Re: [ham-antennas] RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 22:23:53 UTC
From: dean
Topic: 30607 Message: 31057

I have a nice dipole but I was talking about putting up a loop. I could do a horizontal loop but no $$$$ for it.

73, WY6L

From: james
Sent: Wednesday, January 22, 2014 1:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: mobile hf antenna

i am sitting here on the side line i live in springfield or and iam in the mtns with your land i do not know were your land is but you can but up a nice dipole with your land your choice very cheap

On 1/22/2014 1:17 PM, dean wrote:

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Iï¿½m sitting on 8 acres of land.ï¿½ Problem with it is its not flat.ï¿½ I sit or the property does on the side of a mountain.ï¿½ got 3 flat areas just downhill from each other.ï¿½ My radio is at the top but I donï¿½t have the $$$$$$ to put up towers to support the loop.
ï¿½
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73, WY6L
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From: William Collister
Sent: Tuesday, January 21, 2014 11:37 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna
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ï¿½
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Bill
N7MOG
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To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 21:52:00 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

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You did not make that clear only that he did it on 80 meters.ï¿½ So your saying if we have an 80 M hamstick and a tuner we can work 80 M to 6 M?
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From: William Collister
Sent: Tuesday, January 21, 2014 9:38 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: mobile hf antenna
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Maybe you missed one item, or overlooked it.ï¿½ My friend uses the 80M stick and tuner for all band work.ï¿½ That is a cheaper alternative that I see.ï¿½ Better?ï¿½ dunno.ï¿½ Does work, however.ï¿½ All mobile work in the HF region is iffy and at times pretty sketchy anyway.ï¿½ Still, I like seeing other possibilities, even if they might not work for me.ï¿½ Heck, at the base I use a B&W folded dipole.ï¿½ It works for me, I was kind of thinking that this MOTO was a dummy load type of thing also over it's reported bandwidth.ï¿½ Getting signals out & back are still successes, no matter what you use!
Bill
N7MOG

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To: ham-antennas@yahoogroups.com
From: deanf@...
Date: Tue, 21 Jan 2014 20:41:51 -0800
Subject: Re: [ham-antennas] RE: mobile hf antenna

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ï¿½
I primarily talk on 20 meters but if I want to talk on 10 meters then I have to pull over and get out and change my hamstick.ï¿½ Not much fun and $200 is far cheaper than going to a screwdriver antenna.ï¿½
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I know there are a lot of hams out there that can do the same with some homebrewed stuff but I no longer can homebrew anything do to my tremors.ï¿½ If I can scrape $200 together I would buy one.
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From: William Collister
Sent: Tuesday, January 21, 2014 6:49 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: mobile hf antenna
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A whip of any reasonable length and a tuner does the same thing.ï¿½ A friend of mine does well with an 80M hamstick and his tuner for a lot less money.ï¿½ Is it perfect?ï¿½ Show me one that is!ï¿½ I just wonder about a $200 antenna that still needs a tuner to work...that equates to a $400+ antenna system to me.ï¿½ I have a military whip and mount for about $50 that works with my SGC tuner.ï¿½ It's longer than 62 inches, but works well.ï¿½ I admire many different solutions, just trying to figure out if this is $200 worth of snake oil or a real benefit.ï¿½ I am viewing this with an open mind, and wouldn't mind trying it actually.ï¿½ Just have limited $$$.
Bill
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To: ham-antennas@yahoogroups.com
From: aa2nh@yahoo.com
Date: Tue, 21 Jan 2014 05:56:18 -0800
Subject: [ham-antennas] RE: mobile hf antenna

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The cheapest decent mobile antenna is the Alpha MOTO. Consider the options; Hamsticks used to be considered the least expensive way to get on the air, but you'll pay $20 per band. The MOTO will hand you 10 bands, which is $200 worth of Hamsticks. Plus you don't have to stop your car every time you want to change bands. Look around some more on how people are using their Hamsticks and you'll see they are using antenna tuners to get a little more band coverage out of them as a Hamstick give you about 15% to 20% of usable bandwidth for each band. That sounds like more of a ripoff now that I've actually typed and re-read it! The Hamstick is also around 6 1/2 feet long. I have owned and used Hamsticks and they hit nearly every tree out there and I can't pull into my garage, not the case with the MOTO at only 62 inches long. Hamsticks have their place, and I've found that place is on my boat, where I have a 9 position band switch with seven coaxial cables running to 9 independently mounted Hamsticks. After all, I'd already spent he money on them and couldn't see them go to waste. I'd have not bought them if I had to start over though, but then again, the MOTO wasn't available till 4 years ago. Got another idea of a cheaper antenna that'll give me all the bands? Please let me know what it is! I'd love to try it.

ï¿½
ï¿½

31058. Mobile HF Antenna - Loop

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 22:30:50 UTC
From: WD8ARZ
Topic: 30607 Message: 31058

Thats interesting. Have heard about some hf mobile loops for vehicles that have the roof room. Image RV's would like em too.

Are you looking to make one of your own? What vehicle are you looking to put it on?

If I remember right, that gives some NVIS performance too doesnt it?

A strong dipole would be interesting. Sounds like a lot of coil loading. What frequency range were you looking to get out of it on your mobile?

Let us know how this works out for you.

73 from Bill - WD8ARZ

On 1/22/2014 5:23 PM, dean wrote:
>
>
> I have a nice dipole but I was talking about putting up a loop. I
> could do a horizontal loop but no $$$$ for it.
> 73, WY6L
>

31059. Re: [ham-antennas] Re: support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 22:35:15 UTC
From: dean
Topic: 30989 Message: 31059

Hi there Rich,

I have the Mosley T33 jr atop a 40 foot mast. I call it a tower but its round. No guying needed but I have the Yaesu G800DXA rotor or rotator. Its more than enough for my antenna. The guys on field day used a rope around the toper to turn the beam but I would not recommend that for full time, especially if you have a lot of wind. To start with I bought a really cheap rotor that worked very well but the guy that put it up there did not use a fat enough pole and it was turning on the pole when the wind blew. I'm very happy with my setup now.

73, WY6L

From: mark_pope_kf7uzr
Sent: Wednesday, January 22, 2014 8:14 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: support pole/tower construction idea

Rich,

I viewed your plan for the tilt up mast. Would really like to try building one. So it's good for 30 ft. from what you stated? I didn't see any in your pictures but does it have to be guyed? I have a Mosley TA33jr that I really need to get up in the air. I was hoping to buy a tower but circumstances say this wont happen anytime soon. But this project I could swing. The MOsley weighs about 25 lbs. Not sure about the rotor. We are very limited on what we can buy here. Any suggestions on where one might find the tubing and pipe? We have access to Lowes and Home Depot. But they are over an hour away.

Thanks
MArk/W7MCP

--- In ham-antennas@yahoogroups.com, "Richard Schmuke" <rdj@...>

wrote:
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> Here is a inexpensive plan but it is from a hillbilly. It is good for 20 to 30 ft. This can also be used for a rotor and hex-beam in the future.
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> http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html
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> Look at the sketch and then there are a few pictures of it in the album. You will also find plans and pictures of a 40ft support that holds up my rotor, beam, large loop and 160/80 dipole in my album. Sorry I donâ□□t have any citified plans but hillbilly engineering is all I know.
>
> This could be made smaller or larger according to your layout and room.
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> Rich, Kd0zz
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of hitekgearhead@...
> Sent: Saturday, January 18, 2014 1:24 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] support pole/tower construction idea
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> My wife and I recently bought our first house and I am looking at putting up some antennas. At our previous location I had several LARGE oaks to suspend things from. At the new location I don't have any trees to act as supports. So, I have an idea but I wanted to run it by you guys first and see what you think.
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> My plan is to support a dual or tri band vertical (50/144/440) and a 10 & 20 meter dipole from the following:
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>
> Just wondering if you guys think this is a solid & inexpensive plan, or does it sound a little too much like hillbilly engineering?
>
> Thanks,
> Albert
> KI4ORI
>
>
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>
>
> [Non-text portions of this message have been removed]
>

31060. Re: [ham-antennas] Mobile HF Antenna - Loop

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 22:45:31 UTC
From: dean
Topic: 30607 Message: 31060

Well I only do NVIS in my vehicle when its parked. I have a small 01 Golf TDI. I have my antenna wire connected to the antenna mount and I first made it for 40 meters. I put a spade lug on the end of the antenna and then make it to 80 meters. My car is the other side of the dipole. I put it up about 12 to 15 feet mostly so people don’t touch the antenna while I’m transmitting, I have to remember good safety. If I want to talk on 40 meters then I just connect the two antennas together. That’s what the spade lug is for. I used to like in Fresno, CA and talked to San Francisco. Not too shabby.

I’m not looking for a loop antenna for my car. I would like one for my house but I don’t’ have the $$$ to put one up. I could do a nice 160 here. It has absolutely nothing to do with mobile HF antennas, but if it really bothers you just delete the message.

73, WY6L

From: WD8ARZ
Sent: Wednesday, January 22, 2014 2:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Mobile HF Antenna - Loop

Thats interesting. Have heard about some hf mobile loops for vehicles that have the roof room. Image RV's would like em too.

Are you looking to make one of your own? What vehicle are you looking to put it on?

If I remember right, that gives some NVIS performance too doesnt it?

A strong dipole would be interesting. Sounds like a lot of coil loading. What frequency range were you looking to get out of it on your mobile?

Let us know how this works out for you.

73 from Bill - WD8ARZ

On 1/22/2014 5:23 PM, dean wrote:

I have a nice dipole but I was talking about putting up a loop. I could do a horizontal loop but no $$$$ for it.

73, WY6L

31061. Re: [ham-antennas] Mobile HF Antenna - Parked

Yahoo group: ham-antennas (2014)
Date: 2014-01-22 22:57:42 UTC
From: WD8ARZ
Topic: 30607 Message: 31061

Now thats a good point. Not only mobile hf antennas for the mobile while in motion, but how to improve the mobile antenna options for operation while parked.

Thats a nice next step to be prepared for. I keep a charging power supply for the extra battery in my vehicle used just for ham gear, extension power cord, and a couple rolls of one hundred foot wire, and a auto tuner to use when parked at family and friends homes when I travel. Can still use the screw driver antenna on the mobile, but why not go for the better antenna when one can eh?

Now that I am retired, I obviously dont drive as much. But I do travel out of state often enough that I frequently leave my mobile gear installed in the Trail Blazer. It is parked in the garage at my home a lot, and not driven as much. Some times I put the charger on the spare battery for the ham gear, put the tuner on the hf rig, and plug in the outside ham antenna. Now the mobile in this cold weather will operate just as if it was in my house as a base hf station.

73 from Bill - WD8ARZ

On 1/22/2014 5:45 PM, dean wrote:
>
>
> Well I only do NVIS in my vehicle when its parked. I have a small 01
> Golf TDI. I have my antenna wire connected to the antenna mount and I
> first made it for 40 meters. I put a spade lug on the end of the
> antenna and then make it to 80 meters. My car is the other side of
> the dipole. I put it up about 12 to 15 feet mostly so people don?t
> touch the antenna while I?m transmitting, I have to remember good
> safety. If I want to talk on 40 meters then I just connect the two
> antennas together. That?s what the spade lug is for. I used to like
> in Fresno, CA and talked to San Francisco. Not too shabby.
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> my house but I don?t? have the $$$ to put one up. I could do a nice
> 160 here. It has absolutely nothing to do with mobile HF antennas,
> but if it really bothers you just delete the message.
> 73, WY6L
> *From:* WD8ARZ <mailto:wd8arz@...>
> *Sent:* Wednesday, January 22, 2014 2:30 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Mobile HF Antenna - Loop
>
> Thats interesting. Have heard about some hf mobile loops for vehicles
> that have the roof room. Image RV's would like em too.
>

> Are you looking to make one of your own? What vehicle are you looking
> to put it on?
>
> If I remember right, that gives some NVIS performance too doesnt it?
>
> A strong dipole would be interesting. Sounds like a lot of coil
> loading. What frequency range were you looking to get out of it on
> your mobile?
>
> Let us know how this works out for you.
>
> 73 from Bill - WD8ARZ
>
> On 1/22/2014 5:23 PM, dean wrote:
>> I have a nice dipole but I was talking about putting up a loop. I
>> could do a horizontal loop but no $$$$ for it.
>> 73, WY6L
>>

31062. RE: [ham-antennas] RE: mobile hf antenna???

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 00:04:55 UTC
From: William Collister
Topic: 30607 Message: 31062

As the earth turns on it's axis...Really we are all talking about great possibilities. Most of the mobile antennas come from ideas used on terra firma. Loops just happen to be my direction of study for now. Smaller ones like those coming out of the Middle East for Land Rovers et. al. have my attention for band usage. They fold down for travel and up for use. Lots more $$$ than Alpha's package, darn it. I'll stay with my whips, until these others can match my payout abilities. Still interesting.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: wd8arz@...
Date: Wed, 22 Jan 2014 16:53:14 -0500
Subject: Re: [ham-antennas] RE: mobile hf antenna???

... and this applies to hf mobile how?

Bill

On 1/22/2014 4:17 PM, dean wrote:

I’m sitting on 8 acres of land. Problem with it is its not flat. I sit or the property does on the side of a mountain. got 3 flat areas just downhill from each other. My radio is at the top but I don’t have the $$$$$$ to put up towers to support the loop.

73, WY6L

31063. RE: [ham-antennas] RE: mobile hf antenna???

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 02:24:55 UTC
From: <aa2nh@...>
Topic: 30607 Message: 31063

Speaking of loops for mobile. I saw a prototype of an Alpha Loop Sr and it could be mounted mobile (or base)! It is (will be) a MLA (magnetic loop antenna) that does handle 100 watts and operates on the same bands as the Alpha Loop Jr. The guy from Alpha showed me how it might be able to work on 80 meters also. Problem was that he also said that it wouldn't likely be available for another 18 months and that it's a manually tuned system, although I imagine that it'd be easy enough to add a remote on it.

31064. RE: [ham-antennas] RE: mobile hf antenna???

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 04:39:19 UTC
From: William Collister
Topic: 30607 Message: 31064

Making me bookmark Alpha Antennas, aren't you? ☐
Thanks for the info!
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: aa2nh@yahoo.com
Date: Wed, 22 Jan 2014 18:24:55 -0800
Subject: RE: [ham-antennas] RE: mobile hf antenna???

Speaking of loops for mobile. I saw a prototype of an Alpha Loop Sr and it could be mounted mobile (or base)! It is (will be) a MLA (magnetic loop antenna) that does handle 100 watts and operates on the same bands as the Alpha Loop Jr. The guy from Alpha showed me how it might be able to work on 80 meters also. Problem was that he also said that it wouldn't likely be available for another 18 months and that it's a manually tuned system, although I imagine that it'd be easy enough to add a remote on it.

31065. RE: mobile hf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 13:12:07 UTC
From: <k4hkx@...>
Topic: 30607 Message: 31065

I have had a very positive experience with my mobile magloop and a 10 watt KX3 QRP transceiver. If interested, details are on my QRZ page (K4HKX). Scroll down to the mobile magloop section. Anecdotal reports are pretty much worthless, but interesting nonetheless. I recently enjoyed a 55 report from the Ukraine on 40 meters SSB while in motion, and I have worked all over Europe on 20, 17 and 15 meters SSB. This antenna is a keeper.

Paul, K4HKX

31066. Mobile HF Lloop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 13:15:05 UTC
From: WD8ARZ
Topic: 30607 Message: 31066

Thanks for this info Paul. Will check it out.

Now that 40 meter ten watt Ukraine SSB to me is not anecdotal, that is a great report actually.

Thanks for sharing!

73 from Bill - WD8ARZ

On 1/23/2014 8:12 AM, k4hkx@... wrote:
>
>
> I have had a very positive experience with my mobile magloop and a 10
> watt KX3 QRP transceiver. If interested, details are on my QRZ page
> (K4HKX). Scroll down to the mobile magloop section. Anecdotal
> reports are pretty much worthless, but interesting nonetheless. I
> recently enjoyed a 55 report from the Ukraine on 40 meters SSB while
> in motion, and I have worked all over Europe on 20, 17 and 15 meters
> SSB. This antenna is a keeper.
>
> Paul, K4HKX

31067. Trying to understand JPole Schematic

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 21:25:13 UTC
From: gulfcoastfishing@att.net
Topic: 31067 Message: 31067

ok I have a schematic for ed fongs jPole only are I am not sure about is the area I use rg174
If I understand I simply solder center core of bottom of 174 and the upper portion I short center core to shield and solder that shorted portion to the 300 ohm

heres a link to the schematic
http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at30923PM_zpsba1a6a71.png

Heres a link to a drawing i made this is my understanding the photo is upside down sorry not sure how to flip it on photobucket....

http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at32410PM_zps32d62516.png

31068. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 22:29:56 UTC
From: Wayne Helms N4HWH
Topic: 30989 Message: 31068

Ron, I use a treated 4x4 wooden deck post 16/18 ft in length from Lowes, stood it up vertical with 18 to 24 inches in ground with half bag of instant concrete mix in it. I then put two/three of Lowes aluminum poles on side of post and secure same with electrical straps and wood screws. In top of post put a large eye bolt with a D ring and pulley with parachute cord down side for wire antenna for later use. I have four verticals for VHF/UHF and 10 meters install this way plus two HF wires. Works for me!
N4HWH Wayne Helms

On Sat, Jan 18, 2014 at 2:24 PM, <hitekgearhead@...> wrote:

>
>
> My wife and I recently bought our first house and I am looking at putting
> up some antennas. At our previous location I had several LARGE oaks to
> suspend things from. At the new location I don't have any trees to act as
> supports. So, I have an idea but I wanted to run it by you guys first and
> see what you think.
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> My plan is to support a dual or tri band vertical (50/144/440) and a 10 &
> 20 meter dipole from the following:
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> weld/bolt/sleeve them together. For the base, I was thinking of taking the
> bottom 1' of a 55 gallon plastic barrel and mounting the pole in that with
> concrete. The pole would be right next to the house, and where it passes
> the roof line/fascia it will be secured. I was also thinking of guying the
> top if necessary. The support lines for the dipoles could play into that
> quite easily.
>
> Just wondering if you guys think this is a solid & inexpensive plan, or
> does it sound a little too much like hillbilly engineering?
>
> Thanks,
> Albert
> KI4ORI
>
>

--
73 de N4HWH
Wayne Helms
Kannapolis, NC
EM 95

31069. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 22:32:42 UTC
From: Bry Carling
Topic: 30989 Message: 31069

That sounds cool, Wayne. What is the total height of that thing?

Best regards - Bry Carling

> On Jan 23, 2014, at 5:29 PM, Wayne Helms N4HWH <n4hwh.nc@...> wrote:
>
> Ron, I use a treated 4x4 wooden deck post 16/18 ft in length from Lowes, stood it up vertical with 18 to 24 inches in ground with half bag of instant concrete mix in it. I then put two/three of Lowes aluminum poles on side of post and secure same with electrical straps and wood screws. In top of post put a large eye bolt with a D ring and pulley with parachute cord down side for wire antenna for later use. I have four verticals for VHF/UHF and 10 meters install this way plus two HF wires. Works for me!
> N4HWH Wayne Helms
>
>
>> On Sat, Jan 18, 2014 at 2:24 PM, <hitekgearhead@...> wrote:
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>> Thanks,
>> Albert
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>
>
> --
> 73 de N4HWH
> Wayne Helms

> Kannapolis, NC
> EM 95
>

31070. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-23 22:43:30 UTC
From: Wayne Helms N4HWH
Topic: 30989 Message: 31070

14 to 16ft post, 20 to 25ft. aluminum pole (cut one in half). 12 to 18 ft antennas. Most antennas are Ringo Rangers for 144, 440, 220, 50 mhz. One up for ten meter with Antron 99. Average height app. 30ft to top of antennas. N4HWH Wayne

On Thu, Jan 23, 2014 at 5:32 PM, Bry Carling <bcarling@...> wrote:

>
>
> That sounds cool, Wayne. What is the total height of that thing?
>
> Best regards - Bry Carling
>
>
>
> On Jan 23, 2014, at 5:29 PM, Wayne Helms N4HWH <n4hwh.nc@...> wrote:
>
>
>
> Ron, I use a treated 4x4 wooden deck post 16/18 ft in length from Lowes,
> stood it up vertical with 18 to 24 inches in ground with half bag of
> instant concrete mix in it. I then put two/three of Lowes aluminum poles
> on side of post and secure same with electrical straps and wood screws. In
> top of post put a large eye bolt with a D ring and pulley with parachute
> cord down side for wire antenna for later use. I have four verticals for
> VHF/UHF and 10 meters install this way plus two HF wires. Works for me!
> N4HWH Wayne Helms
>
>
> On Sat, Jan 18, 2014 at 2:24 PM, <hitekgearhead@...> wrote:
>
>>
>>
>> My wife and I recently bought our first house and I am looking at putting
>> up some antennas. At our previous location I had several LARGE oaks to
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>> supports. So, I have an idea but I wanted to run it by you guys first and
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>> weld/bolt/sleeve them together. For the base, I was thinking of taking the
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>> Thanks,
>> Albert
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>
> --
> 73 de N4HWH
> Wayne Helms
> Kannapolis, NC
> EM 95
>
>
>

--
73 de N4HWH
Wayne Helms
Kannapolis, NC
EM 95

31071. Re: [ham-antennas] Trying to understand JPole Schematic

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 00:01:51 UTC
From: Mel Farrer
Topic: 31067 Message: 31071

Looks right to me. Mel, K6KBE

On Thursday, January 23, 2014 1:25 PM, "gulfcoastfishing@..." <gulfcoastfishing@...> wrote:

ok I have a schematic for ed fongs jPole only are I am not sure about is the area I use rg174
If I understand I simply solder center core of bottom of 174 and the upper portion I short center core to shield and solder that shorted portion to the 300 ohm

heres a link to the schematic
http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at30923PM_zpsba1a6a71.png

Heres a link to a drawing i made this is my understanding the photo is upside down sorry not sure how to flip it on photobucket....

http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at32410PM_zps32d62516.png

31072. 80m mobile on all bands?

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 13:16:18 UTC
From: mikerodgerske5gbc@...
Topic: 31072 Message: 31072

Someone mentioned recently a friend using a 80m mobile antenna on 6-80 with a tuner.

When I asked K0BG about using a 11m antenna atop a screwdriver, he said there would be problems with coil windings arcing over SO would that also be a issue with above setup?

Are there guys/gals with actual first hand experience using the 80m with a tuner all band. I'm thinking if there is a arcing potential, a big can hustler might be better than say a ham stick ?

Thanks
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31073. Re: [ham-antennas] 80m mobile on all bands?

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 13:58:00 UTC
From: Bry Carling
Topic: 31072 Message: 31073

I have never heard of any arc over in such a situation. I used an 11 foot long mobile whip with
a coil about 2 feet up. It was a homemade classic "bug catcher. I used it on all bands with success, including 80m.

Many years of experience. Zero arc over. Now if you use 25 KW in a shoot out, then it might!

73 de AF4K, Bry

On 24 Jan 2014 at 7:16, mikerodgerske5gbc@... wrote:

To: HamAntennas <ham-antennas@yahoogroups.com>
From: mikerodgerske5gbc@...
Date sent: Fri, 24 Jan 2014 07:16:18 -0600
Subject: [ham-antennas] 80m mobile on all bands?
Send reply to: ham-antennas@yahoogroups.com

Someone mentioned recently a friend using a 80m mobile antenna on 6-80 with a tuner.

When I asked K0BG about using a 11m antenna atop a screwdriver, he said there would be problems with coil windings arcing over SO would that also be a issue with above setup?

Are there guys/gals with actual first hand experience using the 80m with a tuner all band. I'm
thinking if there is a arcing potential, a big can hustler might be better than say a ham stick ?

Thanks
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

The following section of this message contains a file attachment
prepared for transmission using the Internet MIME message format.
If you are using Pegasus Mail, or any other MIME-compliant system,
you should be able to save it or view it from within your mailer.
If you cannot, please ask your system administrator for assistance.

---- File information -----------
File: DEFAULT.BMP
Date: 21 Sep 2001, 13:59
Size: 358 bytes.
Type: Unknown

[Non-text portions of this message have been removed]

31074. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 13:58:43 UTC
From: <hitekgearhead@...>
Topic: 30989 Message: 31074

Wayne,
Could you give further details on the "Lowe's aluminum pole" that you used? ....type, style, size, what department of the store you found it in.... etc...

Thanks,
Albert

31075. Re: Mobile HF Lloop Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 15:05:55 UTC
From: dj_philonline
Topic: 30607 Message: 31075

I have to agree with Paul, I played with a homebrew mag loop for 20m thru to 10m and found it to be a really good antenna, connected to my FT817nd I had decent reports with only 5w from most of Europe, Russia and North Africa from both horizontal and vertical pol. stations (did not seem to matter) and also a very good contact from Turkey by another loop user with his loop on a high balcony and mine indoors upstairs 5-7 given by me, 5-5 received in Turkey from here in NE UK, he was 30w. All contacts were on ssb.
Could be a very practical static/mobile antenna with a good remote tuning system (mine was basic manual variable cap with insulated shaft tube for tuning) I will say I had better results with a toroid ring feed rather than the second inner loop type of feed.
Plan to build another better one when we have moved qth also an 80m frame antenna.
Phil M6MRP

--- In ham-antennas@yahoogroups.com, WD8ARZ <wd8arz@...> wrote:
>
> Thanks for this info Paul. Will check it out.
>
> Now that 40 meter ten watt Ukraine SSB to me is not anecdotal, that is a
> great report actually.
>
> Thanks for sharing!
>
> 73 from Bill - WD8ARZ
>
> On 1/23/2014 8:12 AM, k4hkx@... wrote:
> >
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> > I have had a very positive experience with my mobile magloop and a 10
> > watt KX3 QRP transceiver. If interested, details are on my QRZ page
> > (K4HKX). Scroll down to the mobile magloop section. Anecdotal
> > reports are pretty much worthless, but interesting nonetheless. I
> > recently enjoyed a 55 report from the Ukraine on 40 meters SSB while
> > in motion, and I have worked all over Europe on 20, 17 and 15 meters
> > SSB. This antenna is a keeper.
> >
> > Paul, K4HKX
>

31076. Re: support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 15:27:13 UTC
From: Jim
Topic: 30989 Message: 31076

Hi..

I did about the same thing as Wayne, N4HWH, but used 2x4 green treated lumber. The ground end was put into an opening in a buried building block and the top end was secured to the peak of the house.
It only held a tall 2m/70cm co-linear, so that was all the support needed. My lumber was about 18ft long, but bigger sizes are available. We pulled it down last year when the house roof was re-shingled. It had been up for ten years without any problems; looked like it could have gone another ten, or so.

For a small beam antenna, it would have been fine. For something larger, the size post suggested by Wayne would be better. I wouldn't have any qualms about using two pieces of 2x4, screwed together at right angles. Just depends on what is available at the local lumber yard; lots of stuff can be special ordered, if necessary.

Just remember, if its outside, make sure its green or brown treated lumber. Everything else will rot out in a couple of years.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, Wayne Helms N4HWH <n4hwh.nc@...> wrote:
>
> Ron, I use a treated 4x4 wooden deck post 16/18 ft in length from Lowes,
> stood it up vertical with 18 to 24 inches in ground with half bag of
> instant concrete mix in it. I then put two/three of Lowes aluminum poles
> on side of post and secure same with electrical straps and wood screws. In
> top of post put a large eye bolt with a D ring and pulley with parachute
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> VHF/UHF and 10 meters install this way plus two HF wires. Works for me!
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> On Sat, Jan 18, 2014 at 2:24 PM, <hitekgearhead@...> wrote:
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> > concrete. The pole would be right next to the house, and where it passes
> > the roof line/fascia it will be secured. I was also thinking of guying the
> > top if necessary. The support lines for the dipoles could play into that
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> > does it sound a little too much like hillbilly engineering?
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> > Thanks,
> > Albert
> > KI4ORI
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>
>
> --
> 73 de N4HWH
> Wayne Helms
> Kannapolis, NC
> EM 95
>

31077. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 18:32:09 UTC
From: Wayne Helms N4HWH
Topic: 30989 Message: 31077

Albert: Found them in the garden section on the outside. They are 10ft. each taper on one end so as to fit together. They are a little flimsy to mount up high due to wind, ice, storms. I use them to mount portable antennas for contesting when roving. I have 5 of these set-up at my home station at 20 to 25 ft high for vertical antennas. These poles are actually used as the top railing of a steel link fence. 73, Wayne

On Fri, Jan 24, 2014 at 8:58 AM, <hitekgearhead@...> wrote:

>
>
> Wayne,
>
> Could you give further details on the "Lowe's aluminum pole" that you
> used? ....type, style, size, what department of the store you found it
> in.... etc...
>
>
> Thanks,
>
> Albert
>
>
>

--
73 de N4HWH
Wayne Helms
Kannapolis, NC
EM 95

31078. Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 22:59:33 UTC
From: Joe
Topic: 31078 Message: 31078
Attachments: 1 described; binary payloads are missing from this source WARC

In QST,, Ohhh at least say 10 years ago maybe more like 20 there was an article about a 2 meter antenna, think like this one.
http://www.lincomatic.com/wireless/biquadbad.jpg
or this one
http://martybugs.net/wireless/biquad/images/quad_close.jpg
or
http://www.lincomatic.com/wireless/biquadfeed.jpg

But is was made for 2 meters and hd a screen reflector.

Anyone remember that article and know what Issue it might be in or any name to be able to search for it?

Joe WB9SBD
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

31079. Re: [ham-antennas] Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 23:22:53 UTC
From: Mel Farrer
Topic: 31078 Message: 31079
Attachments: 1 described; binary payloads are missing from this source WARC

Not sure, but it has heritage to the ARRL reference antenna which was a stacked collinear. Same layout. I would start looking for a reference gain antenna variation. Good Luck.

Mel, K6KBE

On Friday, January 24, 2014 2:59 PM, Joe <nss@...> wrote:

In QST,, Ohhh at least say 10 years ago maybe more like 20 there was an article about a 2 meter antenna, think like this one.
http://www.lincomatic.com/wireless/biquadbad.jpg
or this one
http://martybugs.net/wireless/biquad/images/quad_close.jpg
or
http://www.lincomatic.com/wireless/biquadfeed.jpg

But is was made for 2 meters and hd a screen reflector.

Anyone remember that article and know what Issue it might be in or
any name to be able to search for it?

Joe WB9SBD
--
Sig
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Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

31080. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 23:45:57 UTC
From: Roland Brade
Topic: 30989 Message: 31080

For what it's worth, I have just made my 35 foot mast from 2 inch OD scaffold pole.

It has a swivel at the bottom and it is connected to my house wall with 2 K brackets.

I have used a 2 to 1 pulley system to raise it up and down.

As I have a have a 6 metre beam on it I also have a pole with a yoke so that when I lower it the mast it fits into the yoke and stops the beam hitting the ground.

I was going to have a 4 to 1 pulley but so many ropes tend to get tangled. I found that 2 to 1 was still very easy for one person to raise and lower.

You can pay quite a lot of money for this sort of thing but it cost me about 100 bucks in total.

It can be raised and lowered by one person on a windless day but probably best for 2 to do the job.

Roley

G3VIR

RAFARS 112 - RSARS 224

roland@...

31081. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 23:51:53 UTC
From: Rodney Davis PhD.
Topic: 30989 Message: 31081

Where can you find the scaffold pole your using
On Jan 24, 2014, at 5:45 PM, Roland Brade <rolandbrade@...> wrote:

>
> For what it’s worth, I have just made my 35 foot mast from 2 inch OD scaffold pole.
>
> It has a swivel at the bottom and it is connected to my house wall with 2 K brackets.
>
> I have used a 2 to 1 pulley system to raise it up and down.
>
> As I have a have a 6 metre beam on it I also have a pole with a yoke so that when I lower it the mast it fits into the yoke and stops the beam hitting the ground.
>
> I was going to have a 4 to 1 pulley but so many ropes tend to get tangled. I found that 2 to 1 was still very easy for one person to raise and lower.
>
> You can pay quite a lot of money for this sort of thing but it cost me about 100 bucks in total.
>
> It can be raised and lowered by one person on a windless day but probably best for 2 to do the job.
>
>
>
> Roley
>
> G3VIR
>
> RAFARS 112 - RSARS 224
>
> roland@brade.com
>
>
>
>
>

31082. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-24 23:55:40 UTC
From: Todd F. Carney / K7TFC
Topic: 30989 Message: 31082

Roley,

About how many feet of the pole would you say is above the top-most
attachment to the house?

Thanks,

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

On Fri, Jan 24, 2014 at 3:45 PM, Roland Brade <rolandbrade@...>wrote:

>
>
> For what it’s worth, I have just made my 35 foot mast from 2 inch OD
> scaffold pole.
>
> It has a swivel at the bottom and it is connected to my house wall with 2
> K brackets.
>
> I have used a 2 to 1 pulley system to raise it up and down.
>
> As I have a have a 6 metre beam on it I also have a pole with a yoke so
> that when I lower it the mast it fits into the yoke and stops the beam
> hitting the ground.
>
> I was going to have a 4 to 1 pulley but so many ropes tend to get tangled.
> I found that 2 to 1 was still very easy for one person to raise and lower.
>
> You can pay quite a lot of money for this sort of thing but it cost me
> about 100 bucks in total.
>
> It can be raised and lowered by one person on a windless day but probably
> best for 2 to do the job.
>
>
>
> *Roley*
>
> *G3VIR*
>
> *RAFARS 112 - RSARS 224*

>
> *roland@... <roland@...>*
>
>
>
>
>

31083. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 00:15:26 UTC
From: Roland Brade
Topic: 30989 Message: 31083

Firstly sorry I can't add this to my previous mail as I have trouble with yahoo groups, but to answer some questions. I bought my poles from a nice scaffold company man, although there are companies that sell them in 20 foot lengths over here. Using scaffold poles is really best as it has quite a thick wall.

The apex of my roof is about 26 foot. By pushing it up to about 35 foot it gives me a reasonable clearance and also allows me to add a cross arm to support my trap dipole.

I would have liked to push it up a bit higher to clear all the surrounding houses but I think I am OK where it is. My other bonus at this QTH is I am overlooking the sea and have a nice straight run towards Europe which I can see from here.

If you don't have a wall you can always guy it and use a jin-pole or gin-pole to raise it just as easily.

Happy building, a nice project for the summer months!!

Roley

G3VIR

RAFARS 112 - RSARS 224

roland@...

31084. Re: [ham-antennas] Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 00:52:40 UTC
From: jeffrey kohel
Topic: 31078 Message: 31084
Attachments: 1 described; binary payloads are missing from this source WARC

ALL 3 LOOKED TO HAVE DIFFERENT FEEDING SYSTEMS?????

On Friday, January 24, 2014 6:23 PM, Mel Farrer <farrerfolks@...> wrote:

Not sure, but it has heritage to the ARRL reference antenna which was a stacked collinear. Same layout. I would start looking for a reference gain antenna variation. Good Luck.

Mel, K6KBE

On Friday, January 24, 2014 2:59 PM, Joe <nss@...> wrote:

In QST,, Ohhh at least say 10 years ago maybe more like 20 there was an article about a 2 meter antenna, think like this one.
http://www.lincomatic.com/wireless/biquadbad.jpg
or this one
http://martybugs.net/wireless/biquad/images/quad_close.jpg
or
http://www.lincomatic.com/wireless/biquadfeed.jpg

But is was made for 2 meters and hd a screen reflector.

Anyone remember that article and know what Issue it might be in or
any name to be able to search for it?

Joe WB9SBD
--

Sig

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Idle-Tyme.com
http://www.idle-tyme.com

31085. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 08:00:10 UTC
From: <crrestoration@...>
Topic: 31009 Message: 31085

I do have the manual but its kinda vague (at least to me)

31086. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 10:55:45 UTC
From: Gerald Bishop
Topic: 31009 Message: 31086

Hi- I down-loaded to see what it was about. Notice that the tuning for all bands starts at the bottom?? So maybe their thinking is better than most ??? Just a thought !!W8KQ
----- Original Message -----
From: crrestoration@...
To: ham-antennas@yahoogroups.com
Sent: Saturday, January 25, 2014 3:00 AM
Subject: Re: [ham-antennas] Hy-Gain AV18-AVQII

I do have the manual but its kinda vague (at least to me)

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31087. Re: 80m mobile on all bands?

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 11:56:19 UTC
From: mikerodgerske5gbc@...
Topic: 31072 Message: 31087

Bry, what band was your bug catcher optimized for?

A bug catcher does have the wide spaced coil I was referring to.

Thanks
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31088. Re: [ham-antennas] support pole/tower construction idea

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 14:35:54 UTC
From: <hitekgearhead@...>
Topic: 30989 Message: 31088

...Exactly what I was thinking of using and what I mentioned in my message..... chain link top rail post.

I was looking into it and the top rail they sell at the stores in my area is usually 17 gauge and 1-3/8" OD.

Similar 10' "antenna" poles from channel master and the like are 1-1/4" and 18 gauge steel, so I think that the top rail will be a better choice for what I want to do.

Along with proper attachment to the eve/fascia of the house, and maybe a couple guys I believe it will be more than satisfactory for what I want to do.

Thanks,
Albert
KI4ORI

31089. Re: Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 20:01:50 UTC
From: John Ferrell
Topic: 31078 Message: 31089

I believe the one in the pictures is for 1296mhz, about 2-14 " per side.

--
John Ferrell W8CCW
"The man who complains about the way the
ball bounces is likely to be the one who dropped it."

31090. Re: Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 20:03:55 UTC
From: <jferrell13@...>
Topic: 31078 Message: 31090

make that 2-1/4" on each side...

31091. Re: [ham-antennas] Hy-Gain AV18-AVQII

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 22:23:46 UTC
From: <crrestoration@...>
Topic: 31009 Message: 31091

Maybe vague wasn;t the right word.
I set the antenna up for phone as directed, ground mounted.
The only band even close was 10 meters.
What was confusing was what to do with 40 and 80 as changing the top section.
The recommended measurement was 22" but changing that from the minimum to the maximum had very little effect.
Alan's suggestion on removing a spoke (or two) kept me from having to "guess" at what to do next.

31092. Re: [ham-antennas] Trying to understand JPole Schematic

Yahoo group: ham-antennas (2014)
Date: 2014-01-25 23:18:51 UTC
From: Ken Burchfield
Topic: 31067 Message: 31092

The original article by Ed Fong of the DBJ1 is in the QST Feb 2003
Also a corrected diagram was later.
If you need it plse email me.
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

On Thursday, January 23, 2014 3:25 PM, "gulfcoastfishing@..." <gulfcoastfishing@...> wrote:

ok I have a schematic for ed fongs jPole only are I am not sure about is the area I use rg174
If I understand I simply solder center core of bottom of 174 and the upper portion I short center core to shield and solder that shorted portion to the 300 ohm

heres a link to the schematic
http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at30923PM_zpsba1a6a71.png

Heres a link to a drawing i made this is my understanding the photo is upside down sorry not sure how to flip it on photobucket....

http://i989.photobucket.com/albums/af20/WestTexasFishingAdventures/ScreenShot2014-01-23at32410PM_zps32d62516.png

---

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

http://info.yahoo.com/legal/us/yahoo/utos/terms/

31093. RE: [ham-antennas] 80m mobile on all bands?

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 05:28:37 UTC
From: William Collister
Topic: 31072 Message: 31093

I'm the one referencing my friend, KD7LLF, that uses an antenna tuner with an 80M hamstick to work all bands. I was told by him that it works well on 20-40 as well as 80M. K0BG has a bunch of great information. I also have found some of his stuff, although it may have not worked for him, has worked for others and in some cases very well. I remember a TV commercial as of late "it was on the internet, so it has to be true!" and use that to temper what I read and study. There is that possibility that some writing on this forum have never done some things because they were told it couldn't work. Tesla was reported to have been told his ideas couldn't work by Edison, and that is why we all have neighborhood DC generators and no AC grid...OOPS.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: mikerodgerske5gbc@yahoo.com
Date: Fri, 24 Jan 2014 07:16:18 -0600
Subject: [ham-antennas] 80m mobile on all bands?

Someone mentioned recently a friend using a 80m mobile antenna on 6-80 with a tuner.

When I asked K0BG about using a 11m antenna atop a screwdriver, he said there would be problems with coil windings arcing over SO would that also be a issue with above setup?

Are there guys/gals with actual first hand experience using the 80m with a tuner all band. I'm thinking if there is a arcing potential, a big can hustler might be better than say a ham stick ?

Thanks

Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31094. AW: [ham-antennas] Quad Lopp Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 08:44:44 UTC
From: siegfried jackstien
Topic: 31078 Message: 31094

You got mail

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Freitag, 24. Januar 2014 23:00
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Quad Lopp Antenna
>
> In QST,, Ohhh at least say 10 years ago maybe more like 20 there was an
> article about a 2 meter antenna, think like this one.
> http://www.lincomatic.com/wireless/biquadbad.jpg
> or this one
> http://martybugs.net/wireless/biquad/images/quad_close.jpg
> or
> http://www.lincomatic.com/wireless/biquadfeed.jpg
>
> But is was made for 2 meters and hd a screen reflector.
>
> Anyone remember that article and know what Issue it might be in or any
> name to be able to search for it?
>
> Joe WB9SBD
> --
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

31095. Is there a "search" function here?

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 17:53:50 UTC
From: <luckettg@...>
Topic: 31095 Message: 31095

I was hoping to see if there has been any discussions of the discone antennas.

31096. Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 17:56:39 UTC
From: <luckettg@...>
Topic: 31096 Message: 31096

I was hoping to see if there has been any discussions of the discone antennas but could not find a "search" here. I have been doing my homework, Google, etc. plus the ARRL handbook, Qnet, and so on.

I would like to see a discussion about the different discone styles, mounting, effects, types of bands, and so on.
Thank you,
Greg Luckett
NB8X
73

31097. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 18:32:54 UTC
From: Charles Albert
Topic: 31096 Message: 31097

I've used discones for many years, both commercial and homebrew, and had very good luck with them.

The trick is to remember that it is VERY broadband device, so noise can be an issue. I wouldn't suggest one if you are less than five miles or so from any high power transmitters.

The price for that broadband nature is gain. The best you will do is unity as compared to a dipole. In practice, it's usually less than that.

As an exercise (perhaps in futility!) I once built a discone with a low end cutoff just below 2m (like 142 MHz as I recall) and used sheet metal so the disk and cone were totally solid. Weighed like 30 pounds and I could see no practical difference in performance when compared to an MFJ unit with rods.

On, I didn't bother to calculate the wind load, but it was big!

Take Care & 73
Charles Albert
KC6UFM

On 01/26/2014 09:56 AM, luckettg@... wrote:
>
> I was hoping to see if there has been any discussions of the discone
> antennas but could not find a "search" here. I have been doing my
> homework, Google, etc. plus the ARRL handbook, Qnet, and so on.
>
> I would like to see a discussion about the different discone styles,
> mounting, effects, types of bands, and so on.
> Thank you,
> Greg Luckett
> NB8X
> 73
>
>

31098. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 18:35:46 UTC
From: Van Lincoln
Topic: 31096 Message: 31098

go to the groups 'home page', and at the top it says 'search groups',
put your search term into this box,
click on 'search groups, and it'll search THIS group only for your search term.

It would have made more sense to say 'search GROUP' in the singular sense.

Van Lincoln
wd8aam
73

At 17:56 1/26/2014, you wrote:

>I was hoping to see if there has been any discussions of the discone
>antennas but could not find a "search" here. I have been doing my
>homework, Google, etc. plus the ARRL handbook, Qnet, and so on.
>
>I would like to see a discussion about the different discone styles,
>mounting, effects, types of bands, and so on.
>Thank you,
>Greg Luckett
>NB8X
>73
>
>

31099. Re: [ham-antennas] Is there a "search" function here?

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 18:45:24 UTC
From: Van Lincoln
Topic: 31095 Message: 31099

go to the groups 'home page', and at the top it says 'search groups',
put your search term into this box,
click on 'search groups, and it'll search THIS group only for your search term.

It would have made more sense to say 'search GROUP' in the singular sense.

Van Lincoln
wd8aam
73

At 17:53 1/26/2014, you wrote:

>I was hoping to see if there has been any discussions of the discone
>antennas.
>
>

31100. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-26 18:48:59 UTC
From: <luckettg@...>
Topic: 31096 Message: 31100

Thank you, Van. :)

31101. Re: [ham-antennas] Is there a "search" function here?

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 04:35:41 UTC
From: Andy
Topic: 31095 Message: 31101

"... click on 'search groups, and it'll search THIS group only for your search term."

Unless it can't find a match in THIS group; and then it searches ALL groups for matching words in their group descriptions. And then you'll have to find a way back to this group again.

"It would have made more sense to say 'search GROUP' in the singular sense."

In the search box itself where you type the word(s) you want searched, it says "Search Conversations" which is more to the point.

Once you have searched once, an Advanced search option comes up, where you can narrow your search down.

Andy

31102. Re: Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 15:41:54 UTC
From: Jim
Topic: 31096 Message: 31102

Hi Gregg,

The good thing about a discone is the relative wide banded frequency coverage, both transmit and receive. The problem with a discone is the wide band frequency coverage....

Physically, you can get away with one of the cheap variety if it is mounted indoors, like an attic. They will have screw threads crimped into the ends of hollow stainless steel rods to make up the assembly. Very light duty, and easy to bend, even when moving it around inside your house. For outdoor use, you will need the expensive type; that is the rods making up the assembly will be solid stainless steel that has been threaded at the ends.

As others have said, its "flat and wide banded, with unity or less than unity gain". But, many times, that's all that is needed, especially at uhf and vhf.

They are a good all around antennas for local comms, 50Mhz and higher. If you are into experimenting with the cheap dvb-t dongles for SDR that cover 30mhz to 2ghz, it is the ideal antenna type. It will cover most of that range and perform adequately.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, <luckettg@...> wrote:
>
> I was hoping to see if there has been any discussions of the discone antennas but could not find a "search" here. I have been doing my homework, Google, etc. plus the ARRL handbook, Qnet, and so on.
>
> I would like to see a discussion about the different discone styles, mounting, effects, types of bands, and so on.
> Thank you,
> Greg Luckett
> NB8X
> 73
>

31103. Re: [ham-antennas] Re: Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 21:51:55 UTC
From: Bob
Topic: 31096 Message: 31103

Discone antenna.

I have had several Discone antennas. I just built a new house and now getting around to antennas. I just received an MFJ Doscone and by far it is the best constructed one I have seen. Had solid aluminum rod construction. Well worth the money.
BOB KB3MOJ

Sent from my iPhone

On Jan 27, 2014, at 10:41 AM, "Jim" <k9jfk@...> wrote:

> Hi Gregg,
>
> The good thing about a discone is the relative wide banded frequency coverage, both transmit and receive. The problem with a discone is the wide band frequency coverage....
>
> Physically, you can get away with one of the cheap variety if it is mounted indoors, like an attic. They will have screw threads crimped into the ends of hollow stainless steel rods to make up the assembly. Very light duty, and easy to bend, even when moving it around inside your house. For outdoor use, you will need the expensive type; that is the rods making up the assembly will be solid stainless steel that has been threaded at the ends.
>
> As others have said, its "flat and wide banded, with unity or less than unity gain". But, many times, that's all that is needed, especially at uhf and vhf.
>
> They are a good all around antennas for local comms, 50Mhz and higher. If you are into experimenting with the cheap dvb-t dongles for SDR that cover 30mhz to 2ghz, it is the ideal antenna type. It will cover most of that range and perform adequately.
>
> 73, Jimmie, K9JFK
>
> --- In ham-antennas@yahoogroups.com, <luckettg@...> wrote:
> >
> > I was hoping to see if there has been any discussions of the discone antennas but could not find a "search" here. I have been doing my homework, Google, etc. plus the ARRL handbook, Qnet, and so on.
> >
> > I would like to see a discussion about the different discone styles, mounting, effects, types of bands, and so on.
> > Thank you,
> > Greg Luckett
> > NB8X
> > 73
> >
>
>

31104. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 22:06:07 UTC
From: <luckettg@...>
Topic: 31096 Message: 31104

I used one for short wave listening back in the early ninties, moved here to Michigan from Texas and never set it up again. I had it all bundled and torn down. Now that I want to use it again, the center loading coil and whip are missing. It is a Radio Shack unit. I think the loading coil might be for 6 meter use. Anyway, I am thinking of buying a new one of similar style. You mentioned building them, which intrigues me. I am struggling with antenna issues to get on the air and this really bad winter in Michigan is slowing me down. I figured I could set up a discone quickly and like the broad band.
Greg.
NB8X
73

31105. RE: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 22:46:47 UTC
From: Ray, W4BYG
Topic: 31096 Message: 31105

I've not seen anyone mention the real problem with discones. While they are in fact "broadband" as far as SWR is concerned, they do not radiate equally as well (at useful low vertical angles), on all frequencies.

Where they work fairly well (typically at 0 db gain), is on the more fundamental, or lowest frequencies they are cut for.

On higher and harmonic type frequencies and above, while they will take power with a reasonable SWR and will receive some signals and transmit at those higher frequencies, they do not radiate at very efficient vertical angles. Typically they will on those frequencies radiate well above the horizon at like 25 to 45 degrees and above with very poor performance on or near the horizon, where you usually want your RF to go.

I have a model made by Diamond. It is reasonably well made. I sometimes use it for local 2 meter repeaters and rag chews. Although it will also work the in-town 440 MHz repeaters, it doesn't work very well with those outside my immediate area. A simple dipole or ground plane cut for the frequency does noticeably better
73,

Ray, W4BYG

Ineptocracy (in-ep-toc-ra-cy) - a system of government where the least capable to lead are elected by the least capable of producing, and where the members of society least likely to sustain themselves or succeed, are rewarded with goods and services paid for by the confiscated wealth of a diminishing number of producers

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of luckettg@...
Sent: Monday, January 27, 2014 5:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Discone antennas

I used one for short wave listening back in the early ninties, moved here to Michigan from Texas and never set it up again. I had it all bundled and torn down. Now that I want to use it again, the center loading coil and whip are missing. It is a Radio Shack unit. I think the loading coil might be for 6 meter use. Anyway, I am thinking of buying a new one of similar style. You mentioned building them, which intrigues me. I am struggling with antenna issues to get on the air and this really bad winter in Michigan is slowing me down. I figured I could set up a discone quickly and like the broad band.
Greg.
NB8X

73

31106. RE: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 23:12:30 UTC
From: William Collister
Topic: 31096 Message: 31106

Yep, 6M is what is set at for the coil and vertical. It runs well without it even attached, actually, unless you are specifically looking for 6M. Sustituting a hamstick or CB loaded whip also works, BTW. Not a solutuion for everything, but what single antenna is?

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: luckettg@...
Date: Mon, 27 Jan 2014 14:06:07 -0800
Subject: Re: [ham-antennas] Discone antennas

I used one for short wave listening back in the early ninties, moved here to Michigan from Texas and never set it up again. I had it all bundled and torn down. Now that I want to use it again, the center loading coil and whip are missing. It is a Radio Shack unit. I think the loading coil might be for 6 meter use. Anyway, I am thinking of buying a new one of similar style. You mentioned building them, which intrigues me. I am struggling with antenna issues to get on the air and this really bad winter in Michigan is slowing me down. I figured I could set up a discone quickly and like the broad band.
Greg.
NB8X
73

31107. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-27 23:23:13 UTC
From: Charles Albert
Topic: 31096 Message: 31107

In the models, you're right, Ray. Discones appear to radiate fairly high.

In practice of using them since the early 1990s I haven't seen that to be a problem. I can hit 6m, 2m, 1.25m, and 70cm repeaters out to 30+ miles with 50w or less. I can work the 1200MHz machines to 20 miles with 10 watts.

My experience with discones is that getting it at least 20' in the air and having a solid ground on the mast is imperative.

I now have an MFJ unit (can't recall the model, but it's the one with 6m) on the end of 30' of EMT conduit. The antenna clamps to the mast, and the mast is firmly bonded to ground at the base.

While I have never actually measured the take off angle, in practice, it's a non issue.

Yes, even a ground plane would give better performance on a particular band, I have never seen one that will work from 50-2300 MHz.

On 01/27/2014 02:46 PM, Ray, W4BYG wrote:
>
> I've not seen anyone mention the real problem with discones. While
> they are in fact "broadband" as far as SWR is concerned, they do not
> radiate equally as well (at useful low vertical angles), on all
> frequencies.
> Where they work fairly well (typically at 0 db gain), is on the more
> fundamental, or lowest frequencies they are cut for.
> On higher and harmonic type frequencies and above, while they will
> take power with a reasonable SWR and will receive some signals and
> transmit at those higher frequencies, they do not radiate at very
> efficient vertical angles. Typically they will on those frequencies
> radiate well above the horizon at like 25 to 45 degrees and above with
> very poor performance on or near the horizon, where you usually want
> your RF to go.
> I have a model made by Diamond. It is reasonably well made. I
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> plane cut for the frequency does noticeably better
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> Ray, W4BYG
>
> *Ineptocracy*(in-ep-toc-ra-cy) - a system of government where the
> least capable to lead are elected by the least capable of producing,
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> confiscated wealth of a diminishing number of producers
>
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> ---
> *From:* ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of *luckettg@...
> *Sent:* Monday, January 27, 2014 5:06 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Discone antennas
>
> I used one for short wave listening back in the early ninties, moved
> here to Michigan from Texas and never set it up again. I had it all
> bundled and torn down. Now that I want to use it again, the center
> loading coil and whip are missing. It is a Radio Shack unit. I think
> the loading coil might be for 6 meter use. Anyway, I am thinking of
> buying a new one of similar style. You mentioned building them, which
> intrigues me. I am struggling with antenna issues to get on the air
> and this really bad winter in Michigan is slowing me down. I figured I
> could set up a discone quickly and like the broad band.
> Greg.
> NB8X
> 73
>
>

31108. RE: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 02:24:13 UTC
From: <luckettg@...>
Topic: 31096 Message: 31108

I suppose I could get the ARRL handbook on antennas out and see about making a 6m loading coil and whip. That might be fun to try.

31109. Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 03:31:05 UTC
From: <gfgolden@...>
Topic: 31109 Message: 31109

I live in a restricted neighborhood. Any antenna cannot be visible from the front of the home. I live in a 3 story so I can sneak some sort of antenna in the back yard. Other and maybe the main issue is back yard is 29 feet by 29 feet and to complicate things a swimming pool covers about 60% of yard.

So any suggestion on possible best antenna. I have read reviews on eHam and others. I have considered verticals like Cushcraft and others. I am not able to run ground radials (most of yard is concrete) and the pool is an issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or A3W would work. The mast or tower would have to be against back of house since power lines are at back of lot. One of my MUST is to have antenna and mast where if it falls cannot reach power lines. So another limit.
Any ideas would be appreciated?
For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.

73,
George
N5QF

31110. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 04:18:15 UTC
From: Geoff NW7GM
Topic: 31109 Message: 31110

Instead of a beam, you could build a cobweb antenna. It's a 5 band (20-10m) omnidirectional that works very well... Plus, they don't need a tuner and are easy to construct.

I would suggest the single wire style instead of the twin (speaker wire) because it's easier to time and has less weight/wind load.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 27, 2014 7:31 PM, <gfgolden@aol.com> wrote:

>
>
> I live in a restricted neighborhood. Any antenna cannot be visible from
> the front of the home. I live in a 3 story so I can sneak some sort of
> antenna in the back yard. Other and maybe the main issue is back yard is 29
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> issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or
> A3W would work. The mast or tower would have to be against back of house
> since power lines are at back of lot. One of my MUST is to have antenna and
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> Any ideas would be appreciated?
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>
> 73,
> George
> N5QF
>
>
>

31111. Re: Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 04:23:10 UTC
From: Julie Bunker
Topic: 31109 Message: 31111

Check out the discussion that was had about 6 months ago on the Zero-Five Vertical Antennas. I have a very limited lot were radials were not an option. I put up a**29 Foot Broadband 6 - 80 Meter Stealth HOA Multiband Vertical Antenna*. *It is on top of a 5 foot pole. It is working great for me. I work mostly on 80 meters and can make all of the contacts that I want.** I had a lot of questions for Tom and he patiently answered them all.

Julie
KV7JB*

*

31112. Re: [ham-antennas] Discone antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 04:45:15 UTC
From: Charles Albert
Topic: 31096 Message: 31112

That will probably work just fine.

I built a chicken wire discone wire brazing rod supports once designed for just below 2m (around 135 as I recall) and later wanted 6m. I just added a 6m HamStick to the disk, and it worked well. SWR was a little high on the very low end of 6m, but I wasn't using it for anything other than FM work.

Quick and easy, but not nearly as much fun as your idea!

On 01/27/2014 06:24 PM, luckettg@... wrote:
>
> I suppose I could get the ARRL handbook on antennas out and see about
> making a 6m loading coil and whip. That might be fun to try.
>
>

31113. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 05:25:46 UTC
From: Richard Solomon
Topic: 31109 Message: 31113

Look at the Hy-Gain series; AV-620 or AV-640. I have the AV-620 and like it.

73, Dick, W1KSZ

On Mon, Jan 27, 2014 at 8:31 PM, <gfgolden@...> wrote:

>
>
> I live in a restricted neighborhood. Any antenna cannot be visible from
> the front of the home. I live in a 3 story so I can sneak some sort of
> antenna in the back yard. Other and maybe the main issue is back yard is 29
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> issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or
> A3W would work. The mast or tower would have to be against back of house
> since power lines are at back of lot. One of my MUST is to have antenna and
> mast where if it falls cannot reach power lines. So another limit.
> Any ideas would be appreciated?
> For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.
>
> 73,
> George
> N5QF
>
>
>

31114. Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 09:03:29 UTC
From: roley_g3vir
Topic: 31114 Message: 31114

I bought a secondhand HF9V a couple of years ago and generally I am very pleased with the performance.
The only let down is 160 metres. It is rather short for this band at around 30 foot.
I wonder if anyone has done any mods to improve the performance on this band.
I thought I would look at modifications before I build a dedicated 160 metre inverted L.
Your comments are much appreciated.

Roley
G3VIR

31115. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 09:42:11 UTC
From: MIKE DURKIN
Topic: 31109 Message: 31115

MFJ1798 is a non-ground radial antenna ... i have one .. its ok ...

To: ham-antennas@yahoogroups.com
From: gfgolden@...
Date: Mon, 27 Jan 2014 19:31:05 -0800
Subject: [ham-antennas] Best Antenna For Small Backyard?

I live in a restricted neighborhood. Any antenna cannot be visible from the front of the home. I live in a 3 story so I can sneak some sort of antenna in the back yard. Other and maybe the main issue is back yard is 29 feet by 29 feet and to complicate things a swimming pool covers about 60% of yard.

So any suggestion on possible best antenna. I have read reviews on eHam and others. I have considered verticals like Cushcraft and others. I am not able to run ground radials (most of yard is concrete) and the pool is an issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or A3W would work. The mast or tower would have to be against back of house since power lines are at back of lot. One of my MUST is to have antenna and mast where if it falls cannot reach power lines. So another limit.Any ideas would be appreciated?For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.
73,GeorgeN5QF

31116. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 11:27:50 UTC
From: KB3YRC
Topic: 31109 Message: 31116

George

When I started most of my antennas were in my attic, 2 meter 70 cm on mobile antennas on cookie sheets or traffic sign blanks, Copper J poles etc. My first venture outside I used Polly stealth cable from http://www.therfc.com/

My off set center feed dipole turned into a full dipole. Remember physical length doesn’t need to be in one line.

your advantage is three story heights. I used a 2 ft. piece of painted pipe from my roof vent at the start of the dipole.

Use some indignity the first antenna may not be the best or the last. You may go out to a tree or post and back to the house to make the length a diamond or a loop. Hide it in a tree or a flag pole in the front yard

Best of luck

Richard

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http://www.avast.com

31117. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 12:34:39 UTC
From: N7RJN
Topic: 31109 Message: 31117

George,

Take a look at the N6BT Bravo-5a. This is a relatively small half wavelength vertical, that does not require radials. Covers 20 through 10 meters. N6BNT also has models that will cover 40 and 80 meters.

Web site: http://www.n6bt.com/n6bt-Bravo-1.htm

73,

Bob - N7RJN

From: <gfgolden@aol.com>
Reply-To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Monday, January 27, 2014 at 8:31 PM
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Best Antenna For Small Backyard?

>
>
>
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> it falls cannot reach power lines. So another limit.
> Any ideas would be appreciated?
> For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.
>
> 73,
> George
> N5QF
>
>
>
>

>
>

31118. Re: [ham-antennas] Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 13:42:03 UTC
From: Artek Manuals
Topic: 31114 Message: 31118

Roley

Been there done that go the scars to prove ..... short version is build the inverted L.

Don't get me wrong , I love my HF9V and I have owned two over the last 30+ years and my current one is 20+ years old and still in service as my back up antenna. I no longer bother with the 160M add on kit (I use an Inv L instead)

But here is the science behind why it is really an exercise in futility to try and improve the B-nut on 160M. As it stands on 160 the B-Nut is basically a BASE LOADED vertical . To improve the RADIATION EFFICIENCY one needs to modify the antenna for TOP LOADING. This is usually done by removing the 160M base loading kit and then adding 2 to 4 wires to the top of the antenna, sloped back to the ground these will be on the order of 100' long. You could also add a loading coil at the top and then hook shorter top loading wires to the coil. This is NOT the same coil that you use at the bottom it will have many more turns. The biggest draw back to the top loading scheme is it largely destroys the resonance of the antenna on all the other bands and putting in a relay switching scheme to disconnect the top loading when not on 160M brings with it immense challenges of finding relays which can stand several KV of RF.

Dave
NR1DX

On 1/28/2014 3:03 AM, roley_g3vir wrote:
>
> I bought a secondhand HF9V a couple of years ago and generally I am
> very pleased with the performance.
> The only let down is 160 metres. It is rather short for this band at
> around 30 foot.
> I wonder if anyone has done any mods to improve the performance on
> this band.
> I thought I would look at modifications before I build a dedicated 160
> metre inverted L.
> Your comments are much appreciated.
>
> Roley
> G3VIR
>
>

--
Dave

Manuals@...
www.ArtekManuals.com

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http://www.avast.com

31119. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 14:21:35 UTC
From: <esmorrison1@...>
Topic: 31109 Message: 31119

Check out the Comet CHA-250BX Broadband GP antenna

31120. Re: Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 14:41:08 UTC
From: roley_g3vir
Topic: 31114 Message: 31120

Dave
many thanks for taking the trouble to reply.
Yes, I have already thought about all the points you made and Thats why I went to plan an inverted L.
My antenna performs just great. Even on 160 it is not bad for local to mid distance.
I'd just like to work a bit of the DX that is around.
I get frustrated listening to a couple of friends working all the DX and I can't hear it!!
Still they bot have 100 foot verticals.
I shouldn't be greedy as I've done it all before but I decided to start again at my "new" QTH with a little garden or should I say back yard!
Very many thanks
Roley G3VIR
see us all on QRZ.com

--- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@...> wrote:
>
> Roley
>
> Been there done that go the scars to prove ..... short version is
> build the inverted L.
>
> Don't get me wrong , I love my HF9V and I have owned two over the last
> 30+ years and my current one is 20+ years old and still in service as my
> back up antenna. I no longer bother with the 160M add on kit (I use an
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> top of the antenna, sloped back to the ground these will be on the order
> of 100' long. You could also add a loading coil at the top and then hook
> shorter top loading wires to the coil. This is NOT the same coil that
> you use at the bottom it will have many more turns. The biggest draw
> back to the top loading scheme is it largely destroys the resonance of
> the antenna on all the other bands and putting in a relay switching
> scheme to disconnect the top loading when not on 160M brings with it
> immense challenges of finding relays which can stand several KV of RF.
>
> Dave
> NR1DX
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>
> On 1/28/2014 3:03 AM, roley_g3vir wrote:

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> > I bought a secondhand HF9V a couple of years ago and generally I am
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> > Roley
> > G3VIR
> >
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> Dave
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> www.ArtekManuals.com
>
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>
> ---
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active.
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>

31121. Re: [ham-antennas] Re: Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 15:22:29 UTC
From: Artek Manuals
Topic: 31114 Message: 31121

Roley

Another thought is to invest in a SIGNIFICANT ground system under the HF9V. The effective radiation resistance of an antenna that short on 160M is on the order of less than 10 ohms so ground losses are a big deal. If the HF9V were my only option (due to lack of space and supports) I would (and have at past QTH's) put in a ground field of 50 or more ground mounted radials or go to 4 to 8 elevated radials this will help on Xmit ...hearing stuff on any vertical is tough regardless of the size and a low noise receiving systems (Loops and beverages) are worth the investment. I have worked Europe and Antarctica from the central USA using a HF9V and a KW on 160M. At the time I did have a 50+ ground radial system under it, but these were the exceptions rather than the rule. A full size Inverted L with a modest ground system will kick the HF9V's butt by a couple of S-Units every time. I am an avid DX'r with about 260+ countries on 160M and 99% of these were done with an Inverted L

Dave
NR1DX

On 1/28/2014 8:41 AM, roley_g3vir wrote:
>
> Dave
> many thanks for taking the trouble to reply.
> Yes, I have already thought about all the points you made and Thats
> why I went to plan an inverted L.
> My antenna performs just great. Even on 160 it is not bad for local to
> mid distance.
> I'd just like to work a bit of the DX that is around.
> I get frustrated listening to a couple of friends working all the DX
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> yard!
> Very many thanks
> Roley G3VIR
> see us all on QRZ.com
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> --- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@...> wrote:
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> >
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> > > Roley
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> > >
> > >
> >
> >
> > --
> > Dave
> > Manuals@...

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>

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Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

31122. RE: Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 15:25:36 UTC
From: <farrerfolks@...>
Topic: 31109 Message: 31122

I would think of running a wire around the eve of the roof, like where you would hang Christmas tree lights. I would use a OCF dipole so it would allow multiband use and not be visible. No towers and since you are 3 stories high it will be a chore to hang the antenna but the height will be to your advantage. I have used one like this when I lived in town in a restricted neighborhood. Good Luck

Mel, K6KBE

31123. Re: Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 17:00:26 UTC
From: roley_g3vir
Topic: 31114 Message: 31123

Yes Dave I agree with you. I already have quite a ground system with radials several hundred feet. They run on the border of other properties and were already in place as boundary markers! It works very well on the other bands but always lacking on 160 as you would expect. I can work North and South America but it is hard going. I'll just have to wait till the warmer weather comes to start building!! It gets very windy up here on the white cliffs overlooking France. Some of that bad weather from your side has arrived here now and the HF9V is bending like a goodun! It's quite amazing how well it works on 80 and the other bands. there is a photo of it on my QRZ page.
Roley G3VIR

--- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@...> wrote:
>
> Roley
>
> Another thought is to invest in a SIGNIFICANT ground system under the
> HF9V. The effective radiation resistance of an antenna that short on
> 160M is on the order of less than 10 ohms so ground losses are a big
> deal. If the HF9V were my only option (due to lack of space and
> supports) I would (and have at past QTH's) put in a ground field of 50
> or more ground mounted radials or go to 4 to 8 elevated radials this
> will help on Xmit ...hearing stuff on any vertical is tough regardless
> of the size and a low noise receiving systems (Loops and beverages) are
> worth the investment. I have worked Europe and Antarctica from the
> central USA using a HF9V and a KW on 160M. At the time I did have a 50+
> ground radial system under it, but these were the exceptions rather than
> the rule. A full size Inverted L with a modest ground system will kick
> the HF9V's butt by a couple of S-Units every time. I am an avid DX'r
> with about 260+ countries on 160M and 99% of these were done with an
> Inverted L
>
>
> Dave
> NR1DX
>
>
> On 1/28/2014 8:41 AM, roley_g3vir wrote:
> >
> > Dave
> > many thanks for taking the trouble to reply.
> > Yes, I have already thought about all the points you made and Thats
> > why I went to plan an inverted L.
> > My antenna performs just great. Even on 160 it is not bad for local to
> > mid distance.
> > I'd just like to work a bit of the DX that is around.
> > I get frustrated listening to a couple of friends working all the DX

> > and I can't hear it!!
> > Still they bot have 100 foot verticals.
> > I shouldn't be greedy as I've done it all before but I decided to
> > start again at my "new" QTH with a little garden or should I say back
> > yard!
> > Very many thanks
> > Roley G3VIR
> > see us all on QRZ.com
> >
> > --- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@> wrote:
> > >
> > > Roley
> > >
> > > Been there done that go the scars to prove ..... short version is
> > > build the inverted L.
> > >
> > > Don't get me wrong , I love my HF9V and I have owned two over the last
> > > 30+ years and my current one is 20+ years old and still in service
> > as my
> > > back up antenna. I no longer bother with the 160M add on kit (I use an
> > > Inv L instead)
> > >
> > > But here is the science behind why it is really an exercise in futility
> > > to try and improve the B-nut on 160M. As it stands on 160 the B-Nut is
> > > basically a BASE LOADED vertical . To improve the RADIATION EFFICIENCY
> > > one needs to modify the antenna for TOP LOADING. This is usually
> > done by
> > > removing the 160M base loading kit and then adding 2 to 4 wires to the
> > > top of the antenna, sloped back to the ground these will be on the
> > order
> > > of 100' long. You could also add a loading coil at the top and then
> > hook
> > > shorter top loading wires to the coil. This is NOT the same coil that
> > > you use at the bottom it will have many more turns. The biggest draw
> > > back to the top loading scheme is it largely destroys the resonance of
> > > the antenna on all the other bands and putting in a relay switching
> > > scheme to disconnect the top loading when not on 160M brings with it
> > > immense challenges of finding relays which can stand several KV of RF.
> > >
> > > Dave
> > > NR1DX
> > >
> > >
> > > On 1/28/2014 3:03 AM, roley_g3vir wrote:
> > > >
> > > > I bought a secondhand HF9V a couple of years ago and generally I am
> > > > very pleased with the performance.
> > > > The only let down is 160 metres. It is rather short for this band at
> > > > around 30 foot.
> > > > I wonder if anyone has done any mods to improve the performance on

> > > > this band.
> > > > I thought I would look at modifications before I build a dedicated
> > 160
> > > > metre inverted L.
> > > > Your comments are much appreciated.
> > > >
> > > > Roley
> > > > G3VIR
> > > >
> > > >
> > >
> > >
> > > --
> > > Dave
> > > Manuals@
> > > www.ArtekManuals.com
> > >
> > >
> > >
> > > ---
> > > This email is free from viruses and malware because avast! Antivirus
> > protection is active.
> > > http://www.avast.com
> > >
> >
> >
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>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
>
> ---
> This email is free from viruses and malware because avast! Antivirus protection is
active.
> http://www.avast.com
>

31124. Re: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 18:11:03 UTC
From: Kenneth G. Gordon
Topic: 31114 Message: 31124

After reading the discussion on the Butternut HF9V on 160 meters, I am wondering what the collective wisdom might think about my vertical antenna.

In short, it is 55' tall, with a trap/loading coil at the 33' level. It was designed by a ham, now SK, who planned to market it as an 80/40 meter antenna, but who died before he got that far. What I have is the prototype, which I received in trade from the ham who helped the designer's widow disperse his radio gear.

I have installed only 4 ea 66 foot-long buried radials up to now.

The antenna has stood in place for at least the past 15 years, held up with clothes-line rope. The base insulator is made from PVC fittings.

I use it on all bands, including WARC bands, and up through 10 meters by means of my home-brew antenna coupler which matches it to 1:1 SWR.

The antenna is fed at the base with a buried length of RG-8. The RG-8 is about 40 feet long, although I have never actually measured it.

About 2 years ago, I wound a coil out of #12 solid wire on an old ribbed ceramic 4" diameter form (I think the form was made by National) with the idea of base-loading the antenna for use on 160 meters.

I found that I needed only 4 turns at most in order to resonate the antenna on 160. The bandwidth on 160 is very narrow, being on the order of only about 50 kHz at most before I need to change the tap on the loading coil. Moving up the band from 1800 Khz to 1900 Khz requires reducing the number of turns by at least one, for instance.

With this antenna and 100 watts, I have worked Europe. This was a big surprise to me.

Of course, the antenna is "noisy", but due to many restrictions, I can't do anything substantive about antennas at this point. I am pretty much stuck with it.

So, what might you folks think of this antenna's efficiency on 160 meters? Is there any way I could improve that, other than add more radials (which I have wanted to do for a number of years, but never got "a round tuit".)?

I have been gathering parts and have a design for a remote-controlled base loading system, but at the moment, in order to use the antenna on 160 meters, I must go outside and manually change the jumpers.

Ken W7EKB

31125. RE: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 18:35:31 UTC
From: Scott Myers
Topic: 31114 Message: 31125

I've worked on many short verticals on low bands, so I'll throw in 2 cents.

Percentage wise, a 55' antenna is getting better in electrical length than a 26 foot Butternut for 160M. It is still not even 1/8 wavelength long however, so the efficiency on 160 is still going to be rather low. You just can't beat old man physics on this I am afraid.

For ground radials, you need more and longer radials, as you know. You want them at least as long as the antenna is tall. The 66' you mention should be just fine. (How are you using a feed line that is only 40' long?)

16 ground radials a bit longer than the antenna is tall is the beginning of where efficiency starts getting pretty good with ground radials, but that is with a 1/4 wave radiator. With a radiator less than 1/8 wave, more radials will certainly help, but since you are probably in the single digits efficiency wise due to the short antenna, I would not begin to venture how much it will help. It's simply a try it and see situation.

160M is tough for most hams to accomplish. Just work on the relays for changing the taps on the base coil and maybe add what radials you can as long as you can and call it a win!

I almost forgot to mention.... If you add more radials, you can expect two things; even narrower bandwidth and maybe a slightly higher SWR. But this is a GOOD thing, as it is an indication of improved efficiency. That may be counter intuitive, but it's the case with ground mounted Marconi verticals and more than I want to go into.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, January 28, 2014 1:11 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "Short" vertical on 160 Metres

After reading the discussion on the Butternut HF9V on 160 meters, I am wondering what the collective wisdom might think about my vertical antenna.

In short, it is 55' tall, with a trap/loading coil at the 33' level. It was designed
by a ham, now SK, who planned to market it as an 80/40 meter antenna, but who died before he got that far. What I have is the prototype, which I received in trade from the ham who helped the designer's widow disperse his radio gear.

I have installed only 4 ea 66 foot-long buried radials up to now.

The antenna has stood in place for at least the past 15 years, held up with clothes-line rope. The base insulator is made from PVC fittings.

I use it on all bands, including WARC bands, and up through 10 meters by means of my home-brew antenna coupler which matches it to 1:1 SWR.

The antenna is fed at the base with a buried length of RG-8. The RG-8 is about 40 feet long, although I have never actually measured it.

About 2 years ago, I wound a coil out of #12 solid wire on an old ribbed ceramic 4" diameter form (I think the form was made by National) with the idea of base-loading the antenna for use on 160 meters.

I found that I needed only 4 turns at most in order to resonate the antenna on 160. The bandwidth on 160 is very narrow, being on the order of only about 50 kHz at most before I need to change the tap on the loading coil. Moving up the band from 1800 Khz to 1900 Khz requires reducing the number of turns by at least one, for instance.

With this antenna and 100 watts, I have worked Europe. This was a big surprise to me.

Of course, the antenna is "noisy", but due to many restrictions, I can't do anything substantive about antennas at this point. I am pretty much stuck with it.

So, what might you folks think of this antenna's efficiency on 160 meters? Is
there any way I could improve that, other than add more radials (which I have wanted to do for a number of years, but never got "a round tuit".)?

I have been gathering parts and have a design for a remote-controlled base loading system, but at the moment, in order to use the antenna on 160 meters, I must go outside and manually change the jumpers.

Ken W7EKB

31126. Re: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 18:43:18 UTC
From: Kenneth G. Gordon
Topic: 31114 Message: 31126

On 28 Jan 2014 at 13:35, Scott Myers wrote:

> For ground radials, you need more and longer radials, as you know.
> You want them at least as long as the antenna is tall. The 66' you
> mention should be just fine. (How are you using a feed line that is
> only 40' long?)

By connecting point A, the antenna coupler, to point B, the base of the antenna.:-)

The house is close to the base of the antenna: all the radials on the "house" side of the antenna have to bend around lots of obstructions. There are, essentially, no radials directly to the west of the antenna and for 20 feet on either side of the antenna. The base of the antenna is less than 20 feet from the house, and there is a concrete patio butting up against the west base of the antenna and for about 20 feet on either side of it.

Really neat, huh?

Ken W7EKB.

31127. RE: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 19:26:45 UTC
From: Scott Myers
Topic: 31114 Message: 31127

You do what you have to do! I've had a couple of installs with no radials
on one side. It affects the pattern, but you get on the air!

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Kenneth G. Gordon
Sent: Tuesday, January 28, 2014 1:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: "Short" vertical on 160 Metres

On 28 Jan 2014 at 13:35, Scott Myers wrote:

> For ground radials, you need more and longer radials, as you know.
> You want them at least as long as the antenna is tall. The 66' you
> mention should be just fine. (How are you using a feed line that is
> only 40' long?)

By connecting point A, the antenna coupler, to point B, the base of the
antenna.:-)

The house is close to the base of the antenna: all the radials on the
"house"
side of the antenna have to bend around lots of obstructions. There are,
essentially, no radials directly to the west of the antenna and for 20 feet
on
either side of the antenna. The base of the antenna is less than 20 feet
from
the house, and there is a concrete patio butting up against the west base of

the antenna and for about 20 feet on either side of it.

Really neat, huh?

Ken W7EKB.

31128. RE: Trying to understand JPole Schematic

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 20:30:15 UTC
From: <jeffreyclay@...>
Topic: 31067 Message: 31128

The drawing you're using doesn't look to be correct. The second gap in the twinlead shouldn't be there. See if this provides some clarity.

http://www.qsl.net/wb3gck/jpole.htm

31129. RE: Trying to understand JPole Schematic

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 22:31:07 UTC
From: <jeffreyclay@...>
Topic: 31067 Message: 31129

I was just advised that the antenna in question is a VHF/UHF jpole. I didn't catch that on Mr Fong's illustration.
So... never mind. I'll sit in the corner and remain quiet.

31130. Re: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-28 22:51:55 UTC
From: Original Woodchuck
Topic: 31114 Message: 31130

Maybe you could add a capacity hat somehow? (using metallic guys + insulators). There's a book from ARRL about 160m that might be useful, although it is technical, oriented to using NEC-4. It's also overpriced, IMO, so look in the library or used market.

http://www.arrl.org/shop/Short-Antennas-for-160-Meter-Radio/

Dave AB3NR

On Tue, Jan 28, 2014 at 10:11:03AM -0800, Kenneth G. Gordon wrote:
> After reading the discussion on the Butternut HF9V on 160 meters, I am
> wondering what the collective wisdom might think about my vertical antenna.
>
> In short, it is 55' tall, with a trap/loading coil at the 33' level. It was designed
> by a ham, now SK, who planned to market it as an 80/40 meter antenna, but
> who died before he got that far. What I have is the prototype, which I
> received in trade from the ham who helped the designer's widow disperse his
> radio gear.
>
> I have installed only 4 ea 66 foot-long buried radials up to now.
>
> The antenna has stood in place for at least the past 15 years, held up with
> clothes-line rope. The base insulator is made from PVC fittings.
>
> I use it on all bands, including WARC bands, and up through 10 meters by
> means of my home-brew antenna coupler which matches it to 1:1 SWR.
>
> The antenna is fed at the base with a buried length of RG-8. The RG-8 is
> about 40 feet long, although I have never actually measured it.
>
> About 2 years ago, I wound a coil out of #12 solid wire on an old ribbed
> ceramic 4" diameter form (I think the form was made by National) with the
> idea of base-loading the antenna for use on 160 meters.
>
> I found that I needed only 4 turns at most in order to resonate the antenna
> on 160. The bandwidth on 160 is very narrow, being on the order of only
> about 50 kHz at most before I need to change the tap on the loading coil.
> Moving up the band from 1800 Khz to 1900 Khz requires reducing the
> number of turns by at least one, for instance.
>
> With this antenna and 100 watts, I have worked Europe. This was a big
> surprise to me.
>
> Of course, the antenna is "noisy", but due to many restrictions, I can't do
> anything substantive about antennas at this point. I am pretty much stuck
> with it.

>
> So, what might you folks think of this antenna's efficiency on 160 meters? Is
> there any way I could improve that, other than add more radials (which I
> have wanted to do for a number of years, but never got "a round tuit".)?
>
> I have been gathering parts and have a design for a remote-controlled base
> loading system, but at the moment, in order to use the antenna on 160
> meters, I must go outside and manually change the jumpers.
>
> Ken W7EKB
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>
>

31131. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-29 02:13:38 UTC
From: Kd8nnu
Topic: 31109 Message: 31131

I have a cobweb single wire and it works real well at 40 fr.

I do use a tuner with it as it's not trimmed to perfection. Or in other words cut your wire a lot longer than the plans.

Sent from my Samsung Galaxy S®4

-------- Original message --------
From: Geoff NW7GM <geoff.nw7gm@gmail.com>
Date:01/27/2014 11:18 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Best Antenna For Small Backyard?

Instead of a beam, you could build a cobweb antenna. It's a 5 band (20-10m) omnidirectional that works very well... Plus, they don't need a tuner and are easy to construct.

I would suggest the single wire style instead of the twin (speaker wire) because it's easier to time and has less weight/wind load.

Geoff, NW7GM
Seattle, WA
CN87tr

On Jan 27, 2014 7:31 PM, <gfgolden@aol.com> wrote:

I live in a restricted neighborhood. Any antenna cannot be visible from the front of the home. I live in a 3 story so I can sneak some sort of antenna in the back yard. Other and maybe the main issue is back yard is 29 feet by 29 feet and to complicate things a swimming pool covers about 60% of yard.

So any suggestion on possible best antenna. I have read reviews on eHam and others. I have considered verticals like Cushcraft and others. I am not able to run ground radials (most of yard is concrete) and the pool is an issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or A3W would work. The mast or tower would have to be against back of house since power lines are at back of lot. One of my MUST is to have antenna and mast where if it falls cannot reach power lines. So another limit.
Any ideas would be appreciated?
For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.

73,
George
N5QF

31132. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-29 04:34:23 UTC
From: Billy Manley
Topic: 31109 Message: 31132

I also am limited on space. I run a fan dipole 40-10. What about about a sloper or random wire type antenna? Just a thought.

Sent from Yahoo Mail for iPhone (http://overview.mail.yahoo.com?.src=iOS)

31133. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-29 04:53:04 UTC
From: Jim Bennett
Topic: 31109 Message: 31133

George,

I live on a "standard" sized lot in a HOA/CC&R restricted development. In fact, we are not supposed to have "ANY" ham radio antennas. Well, I've been here for over three years and have the following: 88 foot long doublet for 40-6 meters, Inverted L for 80 meters, Inverted L for 160 meters, a Hustler 5BTV ground mounted for diversity reception on my K3, and a roof-mounted home brew 5/4 wave vertical for 2 meters. No one has complained about any of these antennas. The doublet is my main operating antenna. It is made with very stealthy #26 "silky coat" wire from The Wireman in SC. The center support is a green windsurfing mast that I strapped to a second floor chimney. The top is 45 feet high. The doublet wires run from it through the trees in a mostly horizontal manner. The doublet is fed with about 110 feet of 450 ohm ladder line. At the shack end is a 4:1, 5KW balun and then 10 feet of RG-8X cable running to my station. I use an Elecraft K3, KPA500 amp, and KAT500 auto tuner. The doublet is a very, very good antenna when fed with ladder line, and I highly recommend it. It can be installed as an Inverted Vee, if necessary. You do need an antenna tuner to make it work, but that's a small price to pay for such a good performing, multi-band, stealthy antenna!

Jim / W6JHB
Folsom, CA

> On Jan 27, 2014 7:31 PM, <gfgolden@aol.com> wrote:
>
> I live in a restricted neighborhood. Any antenna cannot be visible from the front of the home. I live in a 3 story so I can sneak some sort of antenna in the back yard. Other and maybe the main issue is back yard is 29 feet by 29 feet and to complicate things a swimming pool covers about 60% of yard.
>
>
>
> So any suggestion on possible best antenna. I have read reviews on eHam and others. I have considered verticals like Cushcraft and others. I am not able to run ground radials (most of yard is concrete) and the pool is an issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or A3W would work. The mast or tower would have to be against back of house since power lines are at back of lot. One of my MUST is to have antenna and mast where if it falls cannot reach power lines. So another limit.
> Any ideas would be appreciated?
> For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.
>
> 73,
> George
> N5QF
>
>
>
>

>
>
>

31134. RE: Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-29 19:17:06 UTC
From: <ke7zag@...>
Topic: 31109 Message: 31134

Hi George,

With vertical height, horizontal room, and ground plane all being issues you are likely limited to something on the order of an inverted L, or a induction loaded ground plane vertical like the 6-80 broadband ground plane made by Zero Five.
You may be able to tuck an Inverted L or bent dipole in the attic if you have access and ability to move around without falling through the sheetrock under the insulation. I do not like to crawl around in an attic because of the fiberglass and glass dust, but with care it is doable.
If you have enough space to set a vertical at least 12 feet from the house it can be installed about 7 feet above the ground so the radials are not a problem with use of the pool or back yard. If you happen to use a saltwater chlorination system in your pool, all the better as the slight salt in the water makes an excellent reflected ground to the radials.
Another option would be a flat beam like the ones sold in the states by Vibroplex for German firms. Either one of those can be mounted below the peak of the roof on ground mounted masts and pretty much be invisible from the front of the house, and are light enough to be easily installed.
I use a five band HD Spiderbeam and it is black. No one can see it once it is in the air. If you use Google Earth and fly over my home place you will see the shadow of my A3S on the garage roof, a glint of the two M3's on my house, and all that is visible of the Spiderbeam is a small square black shadow in the pasture west of the house.

31135. Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 00:01:48 UTC
From: <wa1rkt@...>
Topic: 31135 Message: 31135

I'm contemplating an off-center-fed inverted V for 160-80-40 fed with window line and a 4:1 balun to a tuner at the shack end, rather than putting the balun up at the antenna feedpoint and running coax to the shack. Reason is that in addition to its resonance points where it will provide a good match and low SWR, this antenna will also be used on frequencies widely divergent from its resonance points, using a wide-range autotuner at the shack end, and I'd prefer not to run 100 feet of coax at the resulting high SWR and high losses.

This works quite well with a center-fed inverted V and I'm wondering if there is a good reason not to do it with an OCF inverted V.

Rick WA1RKT

31136. Re: Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 00:11:18 UTC
From: btadlock@frontiernet.net
Topic: 31135 Message: 31136

I've wondered about that too Rick as I'm contemplating a similar antenna . But since we would be using a tuner anyway , would there be any advantage to an OCF over a regular center fed doublet in a Vee configuration ?

Bob N7BDY

31137. Re: [ham-antennas] Re: Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 00:39:43 UTC
From: Rick Poole WA1RKT
Topic: 31135 Message: 31137

From: btadlock@...
Sent: Wednesday, January 29, 2014 7:11:18 PM
>>
>> since we would be using a tuner anyway , would
>> there be any advantage to an OCF over a regular
>> center fed doublet in a Vee configuration?

In this case it would because where this antenna is going, there isn't enough room to the property line to put a full-length 160-meter leg. There's plenty of room on the other side to put the long leg of an OCF inverted V.

I currently have a shortened center-fed inverted V, about 90 feet per leg, fed with window line but it's pretty marginal and won't tune on 160 at all. I figure I should be able to just lengthen one end to about 180 feet and leave everything else (other leg, feedline, center attach point, balun) as is.

Note that window line is balanced feedline and an OCF dipole or inverted V, by nature, isn't balanced, so I'm wondering if that will cause problems.

Rick WA1RKT

31138. Re: [ham-antennas] Re: Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 01:15:47 UTC
From: Mel Farrer
Topic: 31135 Message: 31138

Hi Rick,

Depending on the design of the OCF dipole, that is the point of feed, the feed point and the length of the ladder line will produce a VERY wide range of impedance conditions to match. OCF antennas are quite capable of providing reasonable matches for a ATU. Other than that, it will work. I prefer to do some modelling and pick a ladder line length that is the best compromise on match conditions for the bands of interest. Not all bands will be good. Just an input.

Mel, K6KBE

On Wednesday, January 29, 2014 4:39 PM, Rick Poole WA1RKT <wa1rkt@comcast.net> wrote:

From: btadlock@...
Sent: Wednesday, January 29, 2014 7:11:18 PM
>>
>> since we would be using a tuner anyway , would
>> there be any advantage to an OCF over a regular
>> center fed doublet in a Vee configuration?

In this case it would because where this antenna is going, there isn't enough room to the property line to put a full-length 160-meter leg. There's plenty of room on the other side to put the long leg of an OCF inverted V.

I currently have a shortened center-fed inverted V, about 90 feet per leg, fed with window line but it's pretty marginal and won't tune on 160 at all. I figure I should be able to just lengthen one end to about 180 feet and leave everything else (other leg, feedline, center attach point, balun) as is.

Note that window line is balanced feedline and an OCF dipole or inverted V, by nature, isn't balanced, so I'm wondering if that will cause problems.

Rick WA1RKT

31139. Re: [ham-antennas] Re: Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 02:22:18 UTC
From: Rick Poole WA1RKT
Topic: 31135 Message: 31139

From: "Mel Farrer" <farrerfolks@...>
Sent: Wednesday, January 29, 2014 8:15:47 PM
>>
>> I prefer to do some modelling and pick a ladder
>> line length that is the best compromise on
>> match conditions for the bands of interest.

I haven't figured out how to model ladder line, yet.

Are there length issues that are unique to OCF dipoles, or are the issues pretty much the same as for a center-fed dipole with ladder / window line?

Rick WA1RKT

31140. Re: [ham-antennas] Digest Number 3375

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 02:35:11 UTC
From: N5SWE
Topic: 31140 Message: 31140

A good remote tuner will let you match almost any piece of wire for antenna. Icom AH4 or SG Smart remote tuner will do you justice.
The Hex Beam would be a good choice. 12 feet is all you need. http://www.hexagonalbeam.com/
MFJ sell a Mag loop that is supposed to work well. Lots of plans on eham.net etc.
Ham Universe has lots to pick from: http://www.hamuniverse.com/antennas.html

Hope the links come thru.
Good Luck
73 Roy N5SWE

"When in need call a Country Cousin"

On Wednesday, January 29, 2014 6:34 AM, "ham-antennas@yahoogroups.com"
<ham-antennas@yahoogroups.com> wrote:

ham-antennas
>
>ham-antennas Group
>
>1 New Message
>Digest #3375
>
>1a
>Re: Best Antenna For Small Backyard? by "Jim Bennett" w6jhb01
>Message
>1a
>Re: Best Antenna For Small Backyard?
>Tue Jan 28, 2014 8:52 pm (PST) . Posted by:
>"Jim Bennett" w6jhb01
>George,
>
>I live on a "standard" ; sized lot in a HOA/CC&R restricted development. In fact, we are not supposed to have "ANY" ham radio antennas. Well, I've been here for over three years and have the following: 88 foot long doublet for 40-6 meters, Inverted L for 80 meters, Inverted L for 160 meters, a Hustler 5BTV ground mounted for diversity reception on my K3, and a roof-mounted home brew 5/4 wave vertical for 2 meters. No one has complained about any of these antennas. The doublet is my main operating antenna. It is made with very stealthy #26 "silky coat" wire from The Wireman in SC. The center support is a green windsurfing mast that I strapped to a second floor chimney. The top is 45 feet high. The doublet wires run from it through the trees in a mostly horizontal manner. The doublet is fed with about 110 feet of 450 ohm ladder line. At the shack end is a 4:1, 5KW balun and then 10 feet of RG-8X cable running to my station. I use an Elecraft K3, KPA500 amp, and KAT500 auto tuner. The doublet is a very, very good antenna when fed with ladder line, and I highly recommend it. It can be installed as an Inverted Vee, if necessary. You do need an antenna tuner to make it work, but that's a small price to pay for such a good performing, multi-band, stealthy antenna!

>
>Jim / W6JHB
>Folsom, CA
>
>> On Jan 27, 2014 7:31 PM, <gfgolden@aol. com> wrote:
>>
>> I live in a restricted neighborhood. Any antenna cannot be visible from the front of the home. I live in a 3 story so I can sneak some sort of antenna in the back yard. Other and maybe the main issue is back yard is 29 feet by 29 feet and to complicate things a swimming pool covers about 60% of yard.
>>
>>
>>
>> So any suggestion on possible best antenna. I have read reviews on eHam and others. I have considered verticals like Cushcraft and others. I am not able to run ground radials (most of yard is concrete) and the pool is an issue. A beam would need a turning radius 14 feet max. MA5B Cushcraft or A3W would work. The mast or tower would have to be against back of house since power lines are at back of lot. One of my MUST is to have antenna and mast where if it falls cannot reach power lines. So another limit.
>> Any ideas would be appreciated?
>> For now I run mobile only. IC-7100, SGC 500 SmartPower Cube, HiQ 6-160.
>>
>> 73,
>> George
>> N5QF
>>
>>
>>
>>
>>
>>
>>
>
>
>Reply to sender . Reply to group . Reply via Web Post . All Messages (12) . Top ^
>Visit Your Group
>>
>View All Topics
>>
>Create New Topic
>>
>11 New Members
>>
>9 New Photos
>>
>The Yahoo! Groups Product Blog
>Check it out!
>>
>GROUP FOOTER MESSAGE
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336

members (as of 02/16/13). and attachments are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>
>
>CHANGE SETTINGS
>>
>TERMS OF USE
>>
>UNSUBSCRIBE
>>
>
>

31141. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 02:41:49 UTC
From: <judge.royal@...>
Topic: 31109 Message: 31141

Hi George
A good remote tuner will let you match almost any piece of wire for antenna. Icom AH4 or SG Smart remote tuner will do you justice.
The Hex Beam would be a good choice. 12 feet is all you need. http://www.hexagonalbeam.com/ http://www.hexagonalbeam.com/
MFJ sell a Mag loop that is supposed to work well. Lots of plans on eham.net etc for Mag loops.
Ham Universe has lots to pick from: http://www.hamuniverse.com/antennas.html http://www.hamuniverse.com/antennas.html

Hope the links come thru.
Good Luck
73 Roy N5SWE

"When in need call a Country Cousin"

31142. Re: [ham-antennas] Re: Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 02:52:29 UTC
From: <farrerfolks@...>
Topic: 31135 Message: 31142

Yes, the issues are the same with the exception that the OCF antenna allows match impedances that are not the result of resonances. That is, on F2 you are not looking at a really high impedance. It helps letting the ATU do it's job better. What modelling program are you using?

Mel, K6KBE

31143. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 03:39:23 UTC
From: <aa2nh@...>
Topic: 31109 Message: 31143

Best one? That'd be the Alpha ProMaster Sr Base Camp antenna system. Here's where I found it:
https://amateurradiostore.com/all-alpha-antennas-c-2/tune-free-1080-meter-alpha-promaster-sr-base-camp-tunes-6-160-p-198?zenid=k2fdg99leqf4u1688g333ql6f3 https://amateurradiostore.com/all-alpha-antennas-c-2/tune-free-1080-meter-alpha-promaster-sr-base-camp-tunes-6-160-p-198?zenid=k2fdg99leqf4u1688g333ql6f3

31144. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 04:06:27 UTC
From: Geoff NW7GM
Topic: 31109 Message: 31144

The only problem with a hex or spider beam is you need a rotator. With a cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc model) if you end up doing a wire antenna.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:

>
>
>
> Hi George
> A good remote tuner will let you match almost any piece of wire for
> antenna. Icom AH4 or SG Smart remote tuner will do you justice.
> The Hex Beam would be a good choice. 12 feet is all you need.
> http://www.hexagonalbeam.com/
> MFJ sell a Mag loop that is supposed to work well. Lots of plans on
> eham.net etc for Mag loops.
> Ham Universe has lots to pick from:
> http://www.hamuniverse.com/antennas.html
>
> Hope the links come thru.
> Good Luck
> 73 Roy N5SWE
>
> "When in need call a Country Cousin"
>
>
>

31145. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 04:19:11 UTC
From: William Collister
Topic: 31109 Message: 31145

No experience with them (I have an ICOM and an SGC), but doesn't LDG make a remote one now as well?

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: geoff.nw7gm@...
Date: Wed, 29 Jan 2014 20:06:27 -0800
Subject: Re: [ham-antennas] Best Antenna For Small Backyard?

The only problem with a hex or spider beam is you need a rotator. With a cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc model) if you end up doing a wire antenna.

Geoff, NW7GM
Seattle, WA
CN87tr

On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:

Hi George
A good remote tuner will let you match almost any piece of wire for antenna. Icom AH4 or SG Smart remote tuner will do you justice.
The Hex Beam would be a good choice. 12 feet is all you need. http://www.hexagonalbeam.com/
MFJ sell a Mag loop that is supposed to work well. Lots of plans on eham.net etc for Mag loops.
Ham Universe has lots to pick from: http://www.hamuniverse.com/antennas.html

Hope the links come thru.
Good Luck
73 Roy N5SWE

"When in need call a Country Cousin"

31146. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 07:49:18 UTC
From: Geoff NW7GM
Topic: 31109 Message: 31146

No, I don't believe they do. However, MFJ does/did but I can't attest to how well they work like I can the SGC. I have a 239 and it works like a champ!

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 29, 2014 8:19 PM, "William Collister" <n7mog@...> wrote:

>
>
> No experience with them (I have an ICOM and an SGC), but doesn't LDG make
> a remote one now as well?
> Bill
> N7MOG
>
> ----------
> To: ham-antennas@yahoogroups.com
> From: geoff.nw7gm@...
> Date: Wed, 29 Jan 2014 20:06:27 -0800
> Subject: Re: [ham-antennas] Best Antenna For Small Backyard?
>
>
>
> The only problem with a hex or spider beam is you need a rotator. With a
> cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc
> model) if you end up doing a wire antenna.
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:
>
>
>
>
>
> Hi George
> A good remote tuner will let you match almost any piece of wire for
> antenna. Icom AH4 or SG Smart remote tuner will do you justice.
> The Hex Beam would be a good choice. 12 feet is all you need.
> http://www.hexagonalbeam.com/
> MFJ sell a Mag loop that is supposed to work well. Lots of plans on
> eham.net etc for Mag loops.

> Ham Universe has lots to pick from:
> http://www.hamuniverse.com/antennas.html
>
> Hope the links come thru.
> Good Luck
> 73 Roy N5SWE
>
> "When in need call a Country Cousin"
>
>
>
>
>

31147. Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 13:23:33 UTC
From: <hitekgearhead@...>
Topic: 31147 Message: 31147

I am looking at purchasing one of these verticals for 6m, 2m, & 70cm. I have begun looking online at reviews but haven't seen any direct comparisons. They actually look very similar in regards to specifications and design. The only difference I can see is that the diamond V2000 is two piece and the GP15 is one piece, and for 6m one (can't remember which right now) is a 1/2 wave and the other is a 5/8. Reviews are generally good for both of them.

Can anyone offer any direct comparison?

-Albert

31148. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 14:50:46 UTC
From: <mwallred@...>
Topic: 31109 Message: 31148

I've got two Alpha Antennas due to arrive today (or maybe tomorrow), but haven't actually used any of them yet. However, I'll note that it's almost scary just how good of reviews they get on eham.net. I think the worst one I saw was one that got a score of "only" 4.9/5.0 possible.

You really just don't see that kind of thing on eham, especially when it comes to antennas.

Marty
AG3EK

> Best one? That'd be the Alpha ProMaster Sr Base Camp antenna system. Here's where I found it:
>
> https://amateurradiostore.com/all-alpha-antennas-c-2/tune-free-1080-meter-alpha-promaster-sr-base-camp-tunes-6-160-p-198?zenid=k2fdg99leqf4u1688g333ql6f3 https://amateurradiostore.com/all-alpha-antennas-c-2/tune-free-1080-meter-alpha-promaster-sr-base-camp-tunes-6-160-p-198?zenid=k2fdg99leqf4u1688g333ql6f3

31149. AW: [ham-antennas] Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 16:32:56 UTC
From: siegfried jackstien
Topic: 31135 Message: 31149

```
>
> This works quite well with a center-fed inverted V and I'm wondering if
> there is a good reason not to do it with an OCF inverted V.

The 2 legs will show different impedances to each leg of the ladderline ...
currents in the ladderline will not be equal and so the fields will not be
the same ... and so the line also will radiate somewhat (and pick up noise)

Dg9bfc

Sigi
```

31150. Re: AW: [ham-antennas] Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 16:53:00 UTC
From: Rick Poole WA1RKT
Topic: 31135 Message: 31150

From: "siegfried jackstien" <siegfried.jackstien@...>
Sent: Thursday, January 30, 2014 11:32:56 AM
>> The 2 legs will show different impedances to each leg of the ladderline ...
>> currents in the ladderline will not be equal and so the fields will not be
>> the same ... and so the line also will radiate somewhat (and pick up noise)

Good morning, Sigi.

Yeah, that's kind of what I was afraid of. I don't think I care if the feedline radiates, there is no objective to make the antenna directional in any way, or to avoid cross-polarization. As for noise, that may or may not be a problem, guess I'll have to just try it and see. What I don't want is RF in the shack causing problems with my computers. I'll be using a Balun Designs 4:1 current (choke) balun mounted under the roof eave outside the shack windows, with RG-8 coax from there to the tuner and window line from the balun to the antenna (approx 60 feet). Transmit power output will be approx. 600-700 watts.

I suppose I could mount the balun at the feedpoint at the top of the tower and run coax from there to the shack, but I'll be using this antenna on MARS and CAP frequencies that are well outside the ham bands, and on those frequencies the SWR will be very high. I won't be able to do that until sometime in the spring, and anyway I'm trying to figure out whether I'll be better off with low-loss open wire line (and live with the imbalance) or high losses in a 60-foot length of coax.

Rick WA1RKT

31151. best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 16:58:25 UTC
From: kb2huk
Topic: 31151 Message: 31151

Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk

31152. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 17:06:44 UTC
From: Joe
Topic: 31151 Message: 31152
Attachments: 1 described; binary payloads are missing from this source WARC

Thats simple.
http://www.hamradio.com/detail.cfm?pid=H0-001066

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/30/2014 10:58 AM, kb2huk wrote:
> Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>

31153. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 17:42:56 UTC
From: Joe - W7RKN
Topic: 31151 Message: 31153

SigJoe..YOU'RE funny! LOL! (A dummy load...heh...Hey! For fun, we used to talk on dummy loads [And light bulbs!] all the time, locally!)

****

John,

Depending on the amount of room you have on your property...Best antenna? Crap shoot....If you have the room, a flat-top dipole of some sort...I prefer the Windom, off center fed.....to cover 160, you will need to be able to string a 240 +- foot wire and optimally at 32 feet in height, although 22 feet works fine.

If room is an issue and you have no CC&R's, something like a Hygain Hi-Tower (AV-18HV) with the 160 meter coil works quite well. (My favorite all band vertical..but *is* very expensive,as it is a 20' tower with radiating elements attached for the different bands)
They also have a non tower based vertical as well...,
Go here to view all the HyGain product line: http://www.hy-gain.com/productsearch.php

Another popular series of all band verticals, is the Gap antenna line...
Go here to view: http://www.gapantenna.com/

Check MFJ Enterprises for various antennas as well.

There are *many* antenna possibilities, and every one will have its supporters, as well as its nay-sayers.
Don't forget, if you seriously look at verticals, don't forget, no matter what the ads say, some sort of ground plane (Specific lengths of wire, radiating out from the base of the antenna) *will* be needed.

Have fun looking and searching!

Joe (not the same Joe as above :)) W7RKN
Reno, Nevada

----- Original Message -----
From: Joe
Subject: Re: [ham-antennas] best antenna for flatest swr

Thats simple.
http://www.hamradio.com/detail.cfm?pid=H0-001066

31154. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 17:48:32 UTC
From: Bry Carling
Topic: 31151 Message: 31154

Joe, my vertical has no radials at all and I get excellent performance out of it worldwide. Especially when using a kilowatt!

Best regards - Bry Carling

> On Jan 30, 2014, at 12:42 PM, Joe - W7RKN <w7rkn.7@...> wrote:
>
> Joe..YOU'RE funny! LOL! (A dummy load...heh...Hey! For fun, we used to talk on dummy loads [And light bulbs!] all the time, locally!)
>
> **********
>
> John,
>
> Depending on the amount of room you have on your property...Best antenna? Crap shoot....If you have the room, a flat-top dipole of some sort...I prefer the Windom, off center fed.....to cover 160, you will need to be able to string a 240 +- foot wire and optimally at 32 feet in height, although 22 feet works fine.
>
> If room is an issue and you have no CC&R's, something like a Hygain Hi-Tower (AV-18HV) with the 160 meter coil works quite well. (My favorite all band vertical..but *is* very expensive,as it is a 20' tower with radiating elements attached for the different bands) They also have a non tower based vertical as well...,
> Go here to view all the HyGain product line: http://www.hy-gain.com/productsearch.php
>
> Another popular series of all band verticals, is the Gap antenna line...
> Go here to view: http://www.gapantenna.com/
>
> Check MFJ Enterprises for various antennas as well.
>
> There are *many* antenna possibilities, and every one will have its supporters, as well as its nay-sayers.
> Don't forget, if you seriously look at verticals, don't forget, no matter what the ads say, some sort of ground plane (Specific lengths of wire, radiating out from the base of the antenna) *will* be needed.
>
> Have fun looking and searching!
>
> Joe (not the same Joe as above :)) W7RKN
> Reno, Nevada
>
> ----- Original Message -----
> From: Joe
> Subject: Re: [ham-antennas] best antenna for flatest swr
>

> Thats simple.
> http://www.hamradio.com/detail.cfm?pid=H0-001066
>
>

31155. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 17:52:09 UTC
From: Joe
Topic: 31151 Message: 31155
Attachments: 1 described; binary payloads are missing from this source WARC

Yup we did the dummy's local and light bulbs too.

Couldn't resist the dummy load. Main reason saying is on those bands, 160, 80, 40, a good SWR all over is a good sign also that the antenna is very lossy.

Just something to remember.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 1/30/2014 11:42 AM, Joe - W7RKN wrote:
> Sig
>
> Joe..YOU'RE funny! LOL! (A dummy load...heh...Hey! For fun, we used
> to talk on dummy loads [And light bulbs!] all the time, locally!)
> ****************
> John,
> Depending on the amount of room you have on your property...Best
> antenna? Crap shoot....If you have the room, a flat-top dipole of
> some sort...I prefer the Windom, off center fed.....to cover 160, you
> will need to be able to string a 240 +- foot wire and optimally at 32
> feet in height, although 22 feet works fine.
> If room is an issue and you have no CC&R's, something like a Hygain
> Hi-Tower (AV-18HV) with the 160 meter coil works quite well. (My
> favorite all band vertical..but *is* very expensive,as it is a 20'
> tower with radiating elements attached for the different bands) They
> also have a non tower based vertical as well...,
> Go here to view all the HyGain product line:
> http://www.hy-gain.com/productsearch.php
> Another popular series of all band verticals, is the Gap antenna line...
> Go here to view: http://www.gapantenna.com/
> Check MFJ Enterprises for various antennas as well.
> There are *many* antenna possibilities, and every one will have
> its supporters, as well as its nay-sayers.
> Don't forget, if you seriously look at verticals, don't forget, no
> matter what the ads say, some sort of ground plane (Specific lengths
> of wire, radiating out from the base of the antenna) *will* be needed.
> Have fun looking and searching!
> Joe (not the same Joe as above :)) W7RKN
> Reno, Nevada
> ----- Original Message -----

>
> *From:* Joe <mailto:nss@...>
> *Subject:* Re: [ham-antennas] best antenna for flatest swr
>
> Thats simple.
> http://www.hamradio.com/detail.cfm?pid=H0-001066
>
>
>
>

31156. RE: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 17:56:40 UTC
From: Scott Myers
Topic: 31151 Message: 31156

I know Joe was being funny with the Cantenna, but I think the point he is making is that low SWR does NOT mean that it is a good antenna. So the question is, why the concern with the lowest possible SWR?

When you get to the low bands, you are not going to get antennas that are going to cover the entire band without relays, matching coils, adjustable length elements, etc. It's a world of trade-offs on the low bands.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kb2huk
Sent: Thursday, January 30, 2014 11:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] best antenna for flatest swr

Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk

31157. AW: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 19:36:08 UTC
From: siegfried jackstien
Topic: 31151 Message: 31157

I have a topbandloop fed with ladderline and homebrewed balun ... tuner is set to bypass on most bands ...

I had to trim the ladderline AND the loop till I found that "sweet spot" I was searching for (low swr on nearly all bands) but finally it worked

... another option (if you only look for those 3 bands) woukld be a fan dipole

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Scott Myers
> Gesendet: Donnerstag, 30. Januar 2014 17:57
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] best antenna for flatest swr
>
>
>
> I know Joe was being funny with the Cantenna, but I think the point he is
> making is that low SWR does NOT mean that it is a good antenna. So the
> question is, why the concern with the lowest possible SWR?
>
>
>
> When you get to the low bands, you are not going to get antennas that are
> going to cover the entire band without relays, matching coils, adjustable
> length elements, etc. It's a world of trade-offs on the low bands.
>
>
>
> 73,
>
> Scott AC8DE
>
>
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of kb2huk

> Sent: Thursday, January 30, 2014 11:58 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] best antenna for flatest swr
>
>
>
>
>
> Can anyone tell me what is the best antenna for lowest swr over several
> bands ? I am looking at the low bands 160,80&40 thanks for your info .
> John Molenda kb2huk
>
>

31158. AW: AW: [ham-antennas] Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 19:49:43 UTC
From: siegfried jackstien
Topic: 31135 Message: 31158

```
>
> Good morning, Sigi.
>
> Yeah, that's kind of what I was afraid of. I don't think I care if the
> feedline radiates,

what radiates does also receive!!

So it will pick up your computer noise (and all other noise that is mostly
vertical polarized)

there is no objective to make the antenna directional
> in any way, or to avoid cross-polarization. As for noise, that may or may
> not be a problem, guess I'll have to just try it and see.

What I don't
> want is RF in the shack causing problems with my computers. I'll be using
> a Balun Designs 4:1 current (choke) balun mounted under the roof eave
> outside the shack windows, with RG-8 coax from there to the tuner and
> window line from the balun to the antenna (approx 60 feet). Transmit power
> output will be approx. 600-700 watts.

Quick test ... disconnect only the shield of the coax ... does the noise
increase?!? (guessing yes)

>
> I suppose I could mount the balun at the feedpoint at the top of the tower
> and run coax from there to the shack, but I'll be using this antenna on
> MARS and CAP frequencies that are well outside the ham bands, and on those
> frequencies the SWR will be very high. I won't be able to do that until
> sometime in the spring, and anyway I'm trying to figure out whether I'll
> be better off with low-loss open wire line (and live with the imbalance)
> or high losses in a 60-foot length of coax.

Other way around would be best ... ladderline ALL down to shack

Avoid that lossy coax (especially when using with high swr)

2 times "something" works on ALL bands when fed with ladderline

(been there ... done that "a thousand times" on fieldday)

A quick calculation "over the thumb" and you will know what impedances you
have to deal with depending on what lengths of ladderline and what length of
dipole/doublet is used (and then either select 1:1 or 1:4 balun)

Dg9bfc
```

Sigi

Ps balun could be made switchable 1:1/1:4

31159. RE: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 20:32:01 UTC
From: Richard Schmuke
Topic: 31151 Message: 31159

I am not much for buying some antenna that covers all band with a low SWR. Most that do have a lot of loss unless you use Joe's idea with duel use. For wide band coverage you need a cage dipole and they are simple to make. They are in any antenna book. If you make it a fan dipole you can cover all three with one antenna. I have a 160 dipole with a 80 fan element. It is fed with 450 ohm line into my shack then a 4:1 balun sitting on top of my tuner. I could not get 1:1 SWR on all bands with MFJ's built in balun so I made my own. I can work 160 thru 10M with one antenna. It is great off the ends on 10M because of the lobes of operating a 160 antenna on 10 but a little hard to rotate. To get low SWR I made my balun switchable as a 4:1 or 1:1.

http://s1102.photobucket.com/user/KD0ZZ/media/4to11to12.jpg.html

I have had successes with wide band cage verticals having a low SWR over a wide range and fan antennas, but have never put them together.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of kb2huk
Sent: Thursday, January 30, 2014 10:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] best antenna for flatest swr

Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk

[Non-text portions of this message have been removed]

31160. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 20:36:11 UTC
From: Harold
Topic: 31151 Message: 31160
Attachments: 1 described; binary payloads are missing from this source WARC

Gentlemen,
who is a good way to measure the efficency of an antenna?

Hal AA2ID

Couldn't resist the dummy load. Main reason saying is on those bands, 160, 80, 40, a good SWR all over is a good sign also that the antenna is very lossy.

Just something to remember.

-----Original Message-----
From: Joe <nss@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Jan 30, 2014 9:52 am
Subject: Re: [ham-antennas] best antenna for flatest swr

Yup we did the dummy's local and light bulbs too.

Couldn't resist the dummy load. Main reason saying is on those bands, 160, 80, 40, a good SWR all over is a good sign also that the antenna is very lossy.

Just something to remember.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 1/30/2014 11:42 AM, Joe - W7RKN wrote:

Joe..YOU'RE funny! LOL! (A dummy load...heh...Hey! For fun, we used to talk on dummy loads [And light bulbs!] all the time, locally!)

****

John,

Depending on the amount of room you have on your property...Best antenna? Crap shoot....If you have the room, a flat-top dipole of some sort...I prefer the Windom, off center fed.....to cover 160, you will need to be able to string a 240 +- foot wire and optimally at 32 feet in height, although 22 feet works fine.

If room is an issue and you have no CC&R's, something like a Hygain Hi-Tower (AV-18HV) with the 160 meter coil works quite well. (My favorite all band vertical..but *is* very expensive,as it is a 20' tower with radiating elements attached for the different bands) They also have a non tower based vertical as well...,

Go here to view all the HyGain product line: http://www.hy-gain.com/productsearch.php

Another popular series of all band verticals, is the Gap antenna line...

Go here to view: http://www.gapantenna.com/

Check MFJ Enterprises for various antennas as well.

There are *many* antenna possibilities, and every one will have its supporters, as well as its nay-sayers.

Don't forget, if you seriously look at verticals, don't forget, no matter what the ads say, some sort of ground plane (Specific lengths of wire, radiating out from the base of the antenna) *will* be needed.

Have fun looking and searching!

Joe (not the same Joe as above :)) W7RKN

Reno, Nevada

----- Original Message -----

From: Joe

Subject: Re: [ham-antennas] best antenna for flatest swr

Thats simple.
http://www.hamradio.com/detail.cfm?pid=H0-001066

31161. Re: [ham-antennas] best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 20:43:34 UTC
From: Stan Labinsky Jr.
Topic: 31151 Message: 31161

SigActually, there is, but it’s not all that wonderful.

A company, B&W, Barker and Williamson, of Bristol Pa., offers a folded dipole that is very broad banded. But, and this is a BIG BUT, it does so by inserting a resistor in the radiating element. It does soften... or flatten the SWR curve, but it does so by wasting a good percentage of your signal as heat. Sort' a like a radiating dummy load... that can like device that the link in the previous message sends you to. There have been other discussions on it and I’m only relating what I’ve read in this forum.

Antennas of this type do have a place however, IIRC, the military finds them useful as they will tune up easily, almost anywhere, the kind of behavior they would need in the field. We, on the other hand are usually looking for the best signals in and out. That antenna doesn’t deliver that.

Stan

From: Joe
Sent: Thursday, January 30, 2014 12:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] best antenna for flatest swr

Thats simple.
http://www.hamradio.com/detail.cfm?pid=H0-001066

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 1/30/2014 10:58 AM, kb2huk wrote:

Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk

---

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

[Non-text portions of this message have been removed]

31162. Re: AW: AW: [ham-antennas] Off-center fed dipole with window line?

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 21:48:53 UTC
From: Rick Poole WA1RKT
Topic: 31135 Message: 31162

From: "siegfried jackstien" <siegfried.jackstien@...>
Sent: Thursday, January 30, 2014 2:49:43 PM
>>
>> what radiates does also receive!! So it will pick
>> up your computer noise (and all other noise that is
>> mostly vertical polarized)... disconnect only the
>> shield of the coax ... does the noise increase?!?

A bit, maybe 1/2 of an "S" unit at the most. It's tolerable.

Note that the so-called Carolina Windom OCF dipole has a vertically-polarized element, by design.

>> Other way around would be best ... ladderline ALL down to shack

That's puts too much RF in the shack. I've tried it. For a center-fed antenna, not too bad, but as you pointed out, for an OCF antenna the feedline radiates... including the portion of feedline that would be inside the shack in that configuration.

>> A quick calculation "over the thumb" and you will know
>> what impedances you have to deal with depending on what
>> lengths of ladderline and what length of dipole/doublet
>> is used (and then either select 1:1 or 1:4 balun)

I'll be using this on military and amateur frequencies from just below 160 meters to a bit above 20 meters, including some frequencies that are fairly distant from any amateur band. So I really can't pick a frequency or even a harmonically-related list of frequencies and figure out feedline lengths and balun ratios, because what works on one won't work on another.

I have another, full-size 160 meter center-fed inverted V fed with window line, which I can use on frequencies where the OCF inverted V won't work, and vice versa. There are places where the full-size center fed V won't work, either.

>> Ps balun could be made switchable 1:1/1:4

I have one of those, unfortunately it's only good for up to 100 watts, plus it's a voltage balun. I use it with my FT-817, my rescued-from-CB-hell HF amp, and a field antenna for portable field work.

A switchable legal-limit-at-any-SWR current balun might not be so easy, unless I just install two baluns and some big relays to switch from one to the other.

If anyone has a design for a remote-switchable legal-limit-at-any-SWR current balun I'd really like to see it. :-)

Rick WA1RKT

31163. Single-wire fed Windom

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 23:47:06 UTC
From: Geoff NW7GM
Topic: 31163 Message: 31163

I'm not sure if this topic has come up here before (I'm currently on my phone so can't search archive) but has anyone here tried a single-wire fed Windom before? I realize it would basically be a top loaded vertical, just with an offset load.

I'm considering trying one. I have an SGC-239 that would be at the base of the antenna.

I would love to hear about any of your experiences with one (good or bad).

Geoff, NW7GM
Seattle, WA
CN87tr

31164. Re: [ham-antennas] Single-wire fed Windom

Yahoo group: ham-antennas (2014)
Date: 2014-01-30 23:58:02 UTC
From: Artek Manuals
Topic: 31163 Message: 31164

Geoff

Essentially as you say more useful to think of this as a top loaded vertical or Inverted L, The vertical "feed-line" will radiate..Depending on the lengths of the two sections in wavelengths (or fractions there of) there will be both horizontal and vertical radiation.

Dave
NR1DX

On 1/30/2014 5:47 PM, Geoff NW7GM wrote:
>
> I'm not sure if this topic has come up here before (I'm currently on
> my phone so can't search archive) but has anyone here tried a
> single-wire fed Windom before? I realize it would basically be a top
> loaded vertical, just with an offset load.
>
> I'm considering trying one. I have an SGC-239 that would be at the
> base of the antenna.
>
> I would love to hear about any of your experiences with one (good or bad).
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31165. 11M Antenna on 10M

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 01:01:53 UTC
From: Dave Hartman
Topic: 31165 Message: 31165

I have recently re-discovered an old children's band Shakespeare 1761 Marine Big Stick CB antenna that's been living in the crawl space that's under part of the house. I felt sorry for it having to lay there for the past 40 or so years, so I thought maybe I could use it for 10M. I believe it is essentially a half wave dipole. Google showed some ideas, the best, or at least easiest, thing I have found so far, seems to be to add an open coax stub about a foot long at the feed connector. Mine has the coax connector on the bottom not the side, not "new improved" I suppose, but otherwise here's a rather terse description:

http://www.jamestowndistributors.com/userportal/show_product.do?pid=12556

Just wondering if anyone has any brighter ideas. h
Dave - AC2GL

31166. Re: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 02:12:35 UTC
From: <robert.chortek@...>
Topic: 31114 Message: 31166

Ken,

Assuming you have average ground conductivity, your efficiency is very low on 160 with only 4 radials so you need to add more radials. If you get up to 16 radials, you will be about 3 db down from a perfect ground system (120 1/4 wave radials). At about 32 you will be about 1.5 db down, and at 64 you will be 1 db down from a perfect ground system. A good ground system is EXTREMELY important to vertical's performance and becomes more so as the physical length is reduced. A 55 foot vertical can perform very well if the ground system is good.

Some say an elevated vertical with 10-12 elevated radials rivals a perfect ground system. I use a base loaded 60 foot vertical with 8 elevated 1/4 wave radials and it works reasonably well on 160.

73,

Bob/AA6VB

31167. RE: [ham-antennas] Re: "Short" vertical on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 02:15:36 UTC
From: <robert.chortek@...>
Topic: 31114 Message: 31167

Ken,

The pattern distortion created by radial asymmetry is reduced greatly as you add more radials....

Bob/AA6VB

31168. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 02:41:36 UTC
From: William Collister
Topic: 31109 Message: 31168

Check their website, they advertise a remote tuner (LDG). And I did forget MFJ. There are also non-USA companies out there as well.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: geoff.nw7gm@...
Date: Wed, 29 Jan 2014 23:49:18 -0800
Subject: RE: [ham-antennas] Best Antenna For Small Backyard?

No, I don't believe they do. However, MFJ does/did but I can't attest to how well they work like I can the SGC. I have a 239 and it works like a champ!

Geoff, NW7GM
Seattle, WA
CN87tr

On Jan 29, 2014 8:19 PM, "William Collister" <n7mog@...> wrote:

No experience with them (I have an ICOM and an SGC), but doesn't LDG make a remote one now as well?
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: geoff.nw7gm@gmail.com
Date: Wed, 29 Jan 2014 20:06:27 -0800
Subject: Re: [ham-antennas] Best Antenna For Small Backyard?

The only problem with a hex or spider beam is you need a rotator. With a cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc model) if you end up doing a wire antenna.

Geoff, NW7GM
Seattle, WA
CN87tr

On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:

Hi George
A good remote tuner will let you match almost any piece of wire for antenna. Icom AH4 or SG Smart remote tuner will do you justice.
The Hex Beam would be a good choice. 12 feet is all you need. http://www.hexagonalbeam.com/
MFJ sell a Mag loop that is supposed to work well. Lots of plans on eham.net etc for Mag loops.
Ham Universe has lots to pick from: http://www.hamuniverse.com/antennas.html

Hope the links come thru.
Good Luck
73 Roy N5SWE

"When in need call a Country Cousin"

31169. Re: [ham-antennas] 11M Antenna on 10M

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 03:01:11 UTC
From: Rfnut
Topic: 31165 Message: 31169

I want to say something.. But I won't..

On Thursday, January 30, 2014 8:01 PM, Dave Hartman <ac2gl@...> wrote:

I have recently re-discovered an old children's band Shakespeare 1761
Marine Big Stick CB antenna that's been living in the crawl space that's
under part of the house. I felt sorry for it having to lay there for the
past 40 or so years, so I thought maybe I could use it for 10M. I
believe it is essentially a half wave dipole. Google showed some ideas,
the best, or at least easiest, thing I have found so far, seems to be to
add an open coax stub about a foot long at the feed connector. Mine has
the coax connector on the bottom not the side, not "new improved" I
suppose, but otherwise here's a rather terse description:

http://www.jamestowndistributors.com/userportal/show_product.do?pid=12556

Just wondering if anyone has any brighter ideas. h
Dave - AC2GL

31170. RE: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 03:06:14 UTC
From: Geoff NW7GM
Topic: 31109 Message: 31170

Well, it has been some time since the last time I was on the LDG website. I will certainly check into it. Thanks for the heads-up.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jan 30, 2014 6:41 PM, "William Collister" <n7mog@...> wrote:

>
>
> Check their website, they advertise a remote tuner (LDG). And I did
> forget MFJ. There are also non-USA companies out there as well.
> Bill
> N7MOG
>
> ----------
> To: ham-antennas@yahoogroups.com
> From: geoff.nw7gm@...
> Date: Wed, 29 Jan 2014 23:49:18 -0800
> Subject: RE: [ham-antennas] Best Antenna For Small Backyard?
>
>
>
> No, I don't believe they do. However, MFJ does/did but I can't attest to
> how well they work like I can the SGC. I have a 239 and it works like a
> champ!
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Jan 29, 2014 8:19 PM, "William Collister" <n7mog@...> wrote:
>
>
> No experience with them (I have an ICOM and an SGC), but doesn't LDG
> make a remote one now as well?
> Bill
> N7MOG
>
> ----------
> To: ham-antennas@yahoogroups.com
> From: geoff.nw7gm@...
> Date: Wed, 29 Jan 2014 20:06:27 -0800
> Subject: Re: [ham-antennas] Best Antenna For Small Backyard?
>
>
>

> The only problem with a hex or spider beam is you need a rotator. With a
> cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc
> model) if you end up doing a wire antenna.
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:
>
>
>
>
>
> Hi George
> A good remote tuner will let you match almost any piece of wire for
> antenna. Icom AH4 or SG Smart remote tuner will do you justice.
> The Hex Beam would be a good choice. 12 feet is all you need.
> http://www.hexagonalbeam.com/
> MFJ sell a Mag loop that is supposed to work well. Lots of plans on
> eham.net etc for Mag loops.
> Ham Universe has lots to pick from:
> http://www.hamuniverse.com/antennas.html
>
> Hope the links come thru.
> Good Luck
> 73 Roy N5SWE
>
> "When in need call a Country Cousin"
>
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>

31171. RE: Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 04:24:04 UTC
From: <ronbaechle@...>
Topic: 31109 Message: 31171

George Check out MFJ-2220 mini dipole $44.95. Also Other bands. 250 watts I believe. I have one 12 ft high using my pool net pole. I only run 8 watts for my qrp rigs. Easy to tune . I don't need any ant tuner . Good luck Ron WD4GWK

31172. Re: best antenna for flatest swr

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 16:21:13 UTC
From: Jim
Topic: 31151 Message: 31172

Hi John,

You've already heard the best and worst of the responses to your question!

There is no "best antenna", especially at those frequencies. On a high band you might be able to cover most of the band with one "antenna setting", but on the lowest band you will only cover 5 or 10khz before you have to make some type of adjustment. For efficiency, the best adjustments would be at the antenna; for convenience, an antenna tuner next to the radio would make the equipment happy.

Much depends on how much space, native physical supports, funding, and the work your willing to expend. One extreme would be the array at Radio Arcala....

http://www.pa2old.nl/page.php?id=271

which suffered a lot of damage in a recent storm.

The other extreme would be an antenna tuner used with a long piece of wire strung through the tree branches.

Personally, I like the inverted "L". You can make your own multiband "L", or make only part of it. Examples of both types.....

http://www.hamuniverse.com/k8kas160104btvmultibandantenna.html

The Hustler xBTV series has been around a long time, built like a tank, and available used at very moderate prices. New prices are good compared to other antennas.

If you want to make your own, check out the following links.....

https://sites.google.com/site/trapantenna/home
and
https://sites.google.com/site/trapantenna/about-the-antenna

If two links above don't work, search using Google with the name and callsign, Bob Rice VE3HKY .

You might want to read this article. Its about 45 years old, but will give you some insight....

"Which Aerial by G3RNL", and it can be found at

https://www.rac.ca/tca/G3RNL-0368.pdf

courtesy of the RAC.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, "kb2huk" <brazos@...> wrote:
>
> Can anyone tell me what is the best antenna for lowest swr over several bands ? I am looking at the low bands 160,80&40 thanks for your info . John Molenda kb2huk
>

31173. New HI-Q mobile mount

Yahoo group: ham-antennas (2014)
Date: 2014-01-31 23:45:46 UTC
From: <farrerfolks@...>
Topic: 31173 Message: 31173

While the rear bumper mount location worked well. I kept having to be very careful backing up as I could not see the antenna and how close I was to obstructions.

So, I moved the antenna forward and up higher. Photos in my file.

Mel, K6KBE

31174. Re: Butternut HF9V on 160 Metres

Yahoo group: ham-antennas (2014)
Date: 2014-02-01 00:15:32 UTC
From: roley_g3vir
Topic: 31114 Message: 31174

Today the weather was dry but very cold so I quickly hooked up a wire inverted L.
The vertical is only 20 foot and the rest goes down the end of my garden. However with this very basic L it is already performing on a par with the HF9V.
Can't wait for the warmer weather to come to get the vertical up to 40 or 50 foot. That should make a great improvement. I also connected into the existing radial system for the HF9V.

Roley G3VIR

--- In ham-antennas@yahoogroups.com, "roley_g3vir" <rolandbrade@...> wrote:
>
> Yes Dave I agree with you. I already have quite a ground system with radials several hundred feet. They run on the border of other properties and were already in place as boundary markers! It works very well on the other bands but always lacking on 160 as you would expect. I can work North and South America but it is hard going. I'll just have to wait till the warmer weather comes to start building!! It gets very windy up here on the white cliffs overlooking France. Some of that bad weather from your side has arrived here now and the HF9V is bending like a goodun! It's quite amazing how well it works on 80 and the other bands. there is a photo of it on my QRZ page.
> Roley G3VIR
>
> --- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@> wrote:
> >
> > Roley
> >
> > Another thought is to invest in a SIGNIFICANT ground system under the
> > HF9V. The effective radiation resistance of an antenna that short on
> > 160M is on the order of less than 10 ohms so ground losses are a big
> > deal. If the HF9V were my only option (due to lack of space and
> > supports) I would (and have at past QTH's) put in a ground field of 50
> > or more ground mounted radials or go to 4 to 8 elevated radials this
> > will help on Xmit ...hearing stuff on any vertical is tough regardless
> > of the size and a low noise receiving systems (Loops and beverages) are
> > worth the investment. I have worked Europe and Antarctica from the
> > central USA using a HF9V and a KW on 160M. At the time I did have a 50+
> > ground radial system under it, but these were the exceptions rather than
> > the rule. A full size Inverted L with a modest ground system will kick
> > the HF9V's butt by a couple of S-Units every time. I am an avid DX'r
> > with about 260+ countries on 160M and 99% of these were done with an
> > Inverted L
> >
> >
> > Dave
> > NR1DX
> >

> >
> > On 1/28/2014 8:41 AM, roley_g3vir wrote:
> > >
> > > Dave
> > > many thanks for taking the trouble to reply.
> > > Yes, I have already thought about all the points you made and Thats
> > > why I went to plan an inverted L.
> > > My antenna performs just great. Even on 160 it is not bad for local to
> > > mid distance.
> > > I'd just like to work a bit of the DX that is around.
> > > I get frustrated listening to a couple of friends working all the DX
> > > and I can't hear it!!
> > > Still they bot have 100 foot verticals.
> > > I shouldn't be greedy as I've done it all before but I decided to
> > > start again at my "new" QTH with a little garden or should I say back
> > > yard!
> > > Very many thanks
> > > Roley G3VIR
> > > see us all on QRZ.com
> > >
> > > --- In ham-antennas@yahoogroups.com, Artek Manuals <nr1dx@> wrote:
> > > >
> > > > Roley
> > > >
> > > > Been there done that go the scars to prove ..... short version is
> > > > build the inverted L.
> > > >
> > > > Don't get me wrong , I love my HF9V and I have owned two over the last
> > > > 30+ years and my current one is 20+ years old and still in service
> > > as my
> > > > back up antenna. I no longer bother with the 160M add on kit (I use an
> > > > Inv L instead)
> > > >
> > > > But here is the science behind why it is really an exercise in futility
> > > > to try and improve the B-nut on 160M. As it stands on 160 the B-Nut is
> > > > basically a BASE LOADED vertical . To improve the RADIATION EFFICIENCY
> > > > one needs to modify the antenna for TOP LOADING. This is usually
> > > done by
> > > > removing the 160M base loading kit and then adding 2 to 4 wires to the
> > > > top of the antenna, sloped back to the ground these will be on the
> > > order
> > > > of 100' long. You could also add a loading coil at the top and then
> > > hook
> > > > shorter top loading wires to the coil. This is NOT the same coil that
> > > > you use at the bottom it will have many more turns. The biggest draw
> > > > back to the top loading scheme is it largely destroys the resonance of
> > > > the antenna on all the other bands and putting in a relay switching
> > > > scheme to disconnect the top loading when not on 160M brings with it
> > > > immense challenges of finding relays which can stand several KV of RF.
> > > >

> > > > Dave
> > > > NR1DX
> > > >
> > > >
> > > > On 1/28/2014 3:03 AM, roley_g3vir wrote:
> > > > >
> > > > > I bought a secondhand HF9V a couple of years ago and generally I am
> > > > > very pleased with the performance.
> > > > > The only let down is 160 metres. It is rather short for this band at
> > > > > around 30 foot.
> > > > > I wonder if anyone has done any mods to improve the performance on
> > > > > this band.
> > > > > I thought I would look at modifications before I build a dedicated
> > > 160
> > > > > metre inverted L.
> > > > > Your comments are much appreciated.
> > > > >
> > > > > Roley
> > > > > G3VIR
> > > > >
> > > > >
> > > >
> > > >
> > > > --
> > > > Dave
> > > > Manuals@
> > > > www.ArtekManuals.com
> > > >
> > > >
> > > >
> > > > ---
> > > > This email is free from viruses and malware because avast! Antivirus
> > > protection is active.
> > > > http://www.avast.com
> > > >
> > >
> > >
> >
> >
> > --
> > Dave
> > Manuals@
> > www.ArtekManuals.com
> >
> >
> >
> > ---
> > This email is free from viruses and malware because avast! Antivirus protection is
active.
> > http://www.avast.com

> >
>

31175. RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-01 15:26:29 UTC
From: <hitekgearhead@...>
Topic: 31147 Message: 31175

Does no-one here have either of the above mentioned antennas that they can comment on?

31176. No such thing as a 4:1 current balun?

Yahoo group: ham-antennas (2014)
Date: 2014-02-01 21:16:25 UTC
From: Rick Poole WA1RKT
Topic: 31176 Message: 31176

In his paper "The Balun and the UnUn" (www.philipstorr.id.au/radio/technical/Balun%20and%20UnUn.pdf□), Phil Storr VK5SRP makes some claims:

```
1. A voltage balun uses transformer action to convert between unbalanced and balanced; the
transformer turns ratio controls the impedance transformation ratio (1:1, 4:1, 9:1, etc.).

2. A current balun allows working currents to pass but chokes common mode currents -
nothing more. There is no transformer action.

3. Because it is a current controlling device and not a transformer, there can be no such
thing as a 4:1 current Balun.

Uhh... OK. Yet I see 4:1 (and other XX:1) current baluns advertised all over the place.

So what's the deal?

Rick WA1RKT
```

31177. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-02-01 22:03:56 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 31177

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

31178. Re: [ham-antennas] No such thing as a 4:1 current balun?

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 00:39:02 UTC
From: Original Woodchuck
Topic: 31176 Message: 31178

On Sat, Feb 01, 2014 at 09:16:25PM +0000, Rick Poole WA1RKT wrote:
> In his paper "The Balun and the UnUn" (www.philipstorr.id.au/radio/technical/Balun%20and%20UnUn.pdf□), Phil Storr VK5SRP makes some claims:
>
> 1. A voltage balun uses transformer action to convert between unbalanced and balanced; the transformer turns ratio controls the impedance transformation ratio (1:1, 4:1, 9:1, etc.).
>
> 2. A current balun allows working currents to pass but chokes common mode currents - nothing more. There is no transformer action.
>
> 3. Because it is a current controlling device and not a transformer, there can be no such thing as a 4:1 current Balun.
>
> Uhh... OK. Yet I see 4:1 (and other XX:1) current baluns advertised all over the place.
>
> So what's the deal?
>
> Rick WA1RKT

It seems to me that this paper (which I read) and the underlying material at http://vk5ajl.com/projects/baluns.php (I also read this) support the assertion that "every man is entitled to his opinions, even if wrong." Mostly what vk5ajl seems to be doing is to re-define "current balun" and even "balun" in novel and I imagine controversial ways and then assert the impossibility of a current balun with an impedance transformation ratio of other than 1:1.

I can prove the impossibility of a three-wheeled automobile by defining an automobile as having four wheels. (Some US state motor vehicle bureaus do this.)

Neither in the paper nor on vk5ajl's page is there any pesky mathematics. The problem is that all their claims are amenable to both theoretical and modeling proofs as well as direct engineering experiment and measurement. None of these measurements would be about SWR, rather voltages, currents and impedances (the basic quantities) would be measured. This can get expensive. The amateur literature on baluns is fairly devoid of actual measurements of a fundamental nature. Instead, we substitute words and sophistry, appeals to common sense and cite DX contacts as proof of theories. The ARRL with its /*apparent*/ policy of not publishing material with math beyond high school bears some of the blame for this. As someone else on one of these lists remarks in his .sig, the fact that an 8 year old can get an Extra class license should tell us something.

So I say to take this one with a grain of salt. It should require an M.S. in E.E. to speak publicly about balun theory. I lack one of those.

"No theory? And no measurements? Then you have no science."
-- Woodchuck

Dave AB3NR

31179. Re: [ham-antennas] No such thing as a 4:1 current balun?

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 01:02:23 UTC
From: Kenneth G. Gordon
Topic: 31176 Message: 31179

On 1 Feb 2014 at 19:39, Original Woodchuck wrote:

> "No theory? And no measurements? Then you have no science."
> -- Woodchuck
>
> Dave AB3NR

Amen.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31180. Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 01:34:01 UTC
From: Rick Poole WA1RKT
Topic: 31180 Message: 31180

I have a 160-meter inverted V that I use throughout the HF spectrum, on the ham bands and on frequencies that are outside, sometimes fairly far outside, of the ham bands (CAP, MARS, and perhaps eventually, SHARES).

The feedline is balanced window line and yes, I know about tweaking the feedline length so it's an odd multiple of 1/8 wavelength at the lowest frequency. That rule assumes that one is going to be using harmonically-related frequencies, e.g. in the ham bands. That's not the case here and so there is no single feedline length that won't leave a significant number of the target frequencies "out in the cold" so to speak.

The feedline goes to a 1:1 Balun Designs current balun mounted outside my shack window, and thence over a short length of RG-8 to an LDG autotuner in the shack. It all works reasonably well except, as I said, there are several of the frequencies of interest that just won't tune with the LDG.

The LDG tuner has two antenna connections and so I thought I would try feeding the feedline to a coax switch, one side of which goes to the tuner's Antenna A connector and the other side to Antenna B thru a 4:1 unun. Then if the tuner won't tune with one, I can switch to the other and try that.

My question is, do I need a current unun? Or will a voltage unun do just as well? Seems like the objective of a current balun, to force equal currents in each leg of the ladder line, is taken care of with the 1:1 Balun Designs current balun, so I shouldn't need to do it again at the antenna tuner end, right?

Next question is, what really is the difference between a balun and an unun? Seems kind of obvious but I've seen many instances where a balun is indicated for feeding a vertical which is unbalanced by nature, and I've also seen cases where someone just wires an SO-239 connector to the balanced antenna studs and calls it an unun. Can't be that simple.

Anybody got a design for a legal-limit capable 4:1 unun?

Thanks...

Rick WA1RKT

31181. HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 01:52:12 UTC
From: Craig Palmer KF5JYZ
Topic: 31181 Message: 31181

A coworker has shown an interest in Ham radio,shocked me. Well to fuel the fire I mentioned he might be able to talk with the ISS and his eyes went bright with interest. I am thinking he’ll not get very deep into radio but who knows. So for a low cost entry into ISS com what antenna would you use? I think store bought would be best, I did bad and said Ham radio is really not plug n play, big frown on his face ,so we should stay away from home brew, for now..

Craig

31182. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:02:01 UTC
From: Jim Bennett
Topic: 31180 Message: 31182

Rick,

My antenna system is "kinda" similar. I have an 88 foot long doublet (#26 "stealth" wire) that runs horizontally 45 feet high. It is connected at the center to about 110 feet of 450 ohm ladder line. Just outside the shack the ladder line connects to a Balun Designs 4:1 5KW balun (model 4114T), and from there about 10 feet of RG-8 into the back of an Elecraft KAT500 auto tuner. That balun was recommended by Bob at Balun Designs after I explained to him what my antenna and transmission line were made of. The tuner finds a 1.2:1 or better match for me on all bands, 40 through 6 meters. It probably would work on 80, but I have a fairly tall Inverted L for 80 so I have no need to use the doublet on that band. Anyway, you may want to give that special 4:1 balun a try and see if it performs any better than the 1:1.

Jim / W6JHB

On Feb 1, 2014, at 5:34 PM, Rick Poole WA1RKT wrote:

> I have a 160-meter inverted V that I use throughout the HF spectrum, on the ham bands and on frequencies that are outside, sometimes fairly far outside, of the ham bands (CAP, MARS, and perhaps eventually, SHARES).
>
> The feedline is balanced window line and yes, I know about tweaking the feedline length so it's an odd multiple of 1/8 wavelength at the lowest frequency. That rule assumes that one is going to be using harmonically-related frequencies, e.g. in the ham bands. That's not the case here and so there is no single feedline length that won't leave a significant number of the target frequencies "out in the cold" so to speak.
>
> The feedline goes to a 1:1 Balun Designs current balun mounted outside my shack window, and thence over a short length of RG-8 to an LDG autotuner in the shack. It all works reasonably well except, as I said, there are several of the frequencies of interest that just won't tune with the LDG.
>
> The LDG tuner has two antenna connections and so I thought I would try feeding the feedline to a coax switch, one side of which goes to the tuner's Antenna A connector and the other side to Antenna B thru a 4:1 unun. Then if the tuner won't tune with one, I can switch to the other and try that.
>
> My question is, do I need a current unun? Or will a voltage unun do just as well? Seems like the objective of a current balun, to force equal currents in each leg of the ladder line, is taken care of with the 1:1 Balun Designs current balun, so I shouldn't need to do it again at the antenna tuner end, right?
>
> Next question is, what really is the difference between a balun and an unun? Seems kind of obvious but I've seen many instances where a balun is indicated for feeding a vertical which is unbalanced by nature, and I've also seen cases where someone just wires an SO-239 connector to the balanced antenna studs and calls it an unun. Can't be that simple.

>
> Anybody got a design for a legal-limit capable 4:1 unun?
>
> Thanks...
>
> Rick WA1RKT
>

31183. RE: [ham-antennas] HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:01:22 UTC
From: KB3YRC
Topic: 31181 Message: 31183

I use a 2 meter Yagi

And follow it through the pattern on the web site

http://www.n2yo.com/?s=25544

http://spaceflight.nasa.gov/realdata/tracking/

http://www.isstracker.com/

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Craig Palmer KF5JYZ
Sent: Saturday, February 01, 2014 8:52 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] HT'S and the ISS

A coworker has shown an interest in Ham radio,shocked me. Well to fuel the fire I mentioned he might be able to talk with the ISS and his eyes went bright with interest. I am thinking he’ll not get very deep into radio but who knows. So for a low cost entry into ISS com what antenna would you use? I think store bought would be best, I did bad and said Ham radio is really not plug n play, big frown on his face ,so we should stay away from home brew, for now..

Craig

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http://www.avast.com

31184. Re: [ham-antennas] HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:02:37 UTC
From: Rodney Davis PhD.
Topic: 31181 Message: 31184

He might be disappointed not sure ISS is doing much voice lately
On Feb 1, 2014, at 7:52 PM, Craig Palmer KF5JYZ <craigjp@...> wrote:

>
> A coworker has shown an interest in Ham radio,shocked me. Well to fuel the fire I mentioned he might be able to talk with the ISS and his eyes went bright with interest. I am thinking he'll not get very deep into radio but who knows. So for a low cost entry into ISS com what antenna would you use? I think store bought would be best, I did bad and said Ham radio is really not plug n play, big frown on his face ,so we should stay away from home brew, for now..
>
>
> Craig
>
>

31185. RE: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:04:49 UTC
From: Billy McFarland
Topic: 31180 Message: 31185

Rick, a balun . Balanced output unbalance input. Unun unbalanced input unbalanced output although an impedance change gas occurred. If you ard using twin feed itscs balun your needing if its and rf choke then a 1:1 unun would stop common mode rf.

You use a 1/1 balun in verticals if the feed point us raised bring the feed point to 48 ohms approx. once it becomes raised the 1/4 radials are part of a balanced tuned circuit so a balun is used. If radials are random length and Radom quantities tg db an unun would be used to stop common mode rf.

73 de GM0OBX billy

31186. RE: [ham-antennas] HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:05:11 UTC
From: KB3YRC
Topic: 31181 Message: 31186

Can we confirm that some where

I have tried back months ago and did here them once and only once.

They use ?

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Rodney Davis PhD.
Sent: Saturday, February 01, 2014 9:03 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] HT'S and the ISS

He might be disappointed not sure ISS is doing much voice lately

On Feb 1, 2014, at 7:52 PM, Craig Palmer KF5JYZ <craigjp@...>
wrote:

A coworker has shown an interest in Ham radio,shocked me. Well to fuel the
fire I mentioned he might be able to talk with the ISS and his eyes went
bright with interest. I am thinking he'll not get very deep into radio but
who knows. So for a low cost entry into ISS com what antenna would you use?
I think store bought would be best, I did bad and said Ham radio is really
not plug n play, big frown on his face ,so we should stay away from home
brew, for now..

Craig

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http://www.avast.com

31187. Re: [ham-antennas] HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:08:35 UTC
From: Larry Brown
Topic: 31181 Message: 31187

Craig I know of several hams in the Louisville Kentucky area that use the "ARROW" brand 2m/440 handheld yagi antennas with their HT's and work ISS and the sats.
On Feb 1, 2014, at 8:52 PM, Craig Palmer KF5JYZ wrote:

>
> A coworker has shown an interest in Ham radio,shocked me. Well to fuel the fire I mentioned he might be able to talk with the ISS and his eyes went bright with interest. I am thinking he’ll not get very deep into radio but who knows. So for a low cost entry into ISS com what antenna would you use? I think store bought would be best, I did bad and said Ham radio is really not plug n play, big frown on his face ,so we should stay away from home brew, for now..
>
>
> Craig
>
>

31188. Re: [ham-antennas] HT'S and the ISS

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 02:16:44 UTC
From: Rodney Davis PhD.
Topic: 31181 Message: 31188

Maybe i tried several times the last month without any luck I was told sats are working good like so50 but ISS is only doing the data packets not voice right now on the current mission
On Feb 1, 2014, at 8:08 PM, Larry Brown <dogsnradios@...> wrote:

> Craig I know of several hams in the Louisville Kentucky area that use the "ARROW" brand 2m/440 handheld yagi antennas with their HT's and work ISS and the sats.
>
> On Feb 1, 2014, at 8:52 PM, Craig Palmer KF5JYZ wrote:
>
>>
>>
>> A coworker has shown an interest in Ham radio,shocked me. Well to fuel the fire I mentioned he might be able to talk with the ISS and his eyes went bright with interest. I am thinking he’ll not get very deep into radio but who knows. So for a low cost entry into ISS com what antenna would you use? I think store bought would be best, I did bad and said Ham radio is really not plug n play, big frown on his face ,so we should stay away from home brew, for now..
>>
>>
>> Craig
>>
>
>
>

31189. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 04:31:30 UTC
From: Rick Poole WA1RKT
Topic: 31180 Message: 31189

From: "Billy McFarland" <gm0obx@...>
Sent: Saturday, February 1, 2014 9:04:49 PM
>>
>> a balun . Balanced output unbalance input.
>> Unun unbalanced input unbalanced output
>> although an impedance change gas occurred.

Yup, I know all of that.

What I'm looking for is the difference in configuration and connection between a 4:1 balun and a 4:1 unun, since the very few diagrams I have seen seem to indicate that the unun is little if anything more than a balun to which someone connected a coax on the balanced end.

Also, the question remains about whether, in the configuration I described, I need a current-type 4:1 unun at the tuner end, or will a voltage-type do?

Rick WA1RKT

31190. Baluns?

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 04:36:31 UTC
From: Dave
Topic: 31190 Message: 31190

Hello Gentlemen ☐ I see several balun stories passing thru this group recently and am wondering ☐ where I might obtain either a couple of 9 to 1 baluns or where anyone might direct me to obtain parts to build some for a project at my location ☐ wanting to put them in a receive only situation so multi KW parts likely not needed ☐ Thanks,

WØDR / Dave

31191. Re: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 04:37:07 UTC
From: Geoff NW7GM
Topic: 31147 Message: 31191

I have a GP-15 and it works just fine for 6m, 2m, 70cm FM repeater work. The only thing I wish was that it could tune to the lower end of 6m (with low SWR) for SSB. I suppose one could add a slightly longer stinger to the 6m element to do that, but then you wouldn't be able to work the upper end ofb the band.

I have no experience with the Diamond antenna so can't comment on it.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 1, 2014 7:26 AM, <hitekgearhead@...> wrote:

>
>
> Does no-one here have either of the above mentioned antennas that they can
> comment on?
>
>

31192. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 05:20:30 UTC
From: Billy McFarland
Topic: 31180 Message: 31192

Rick

I've attached a drawing if a 4/1 balun. Will look for a 4:1unjn. The difference is not adding a piece of coax. An 4:1 unun uses Trifler windings similar to a 9:1 unun.

I find current baluns are good for resonant antennas example OCF dipoles. However have used 4:1 voltage baluns regular in your set up. Removing your 1:2 balun putting the 4:1 at the atu and twin feed straight to the atu will give you a doublet antenna.

73 de GM0OBX billy

31193. RE: [ham-antennas] Baluns?

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 05:22:25 UTC
From: Billy McFarland
Topic: 31190 Message: 31193

Check my website dave:

Www.freewebstore.org/gm0obx

You'll get a 250w rated 9:1 unun

73 de GM0OBX billy

31194. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 05:23:02 UTC
From: Billy McFarland
Topic: 31180 Message: 31194

73 de GM0OBX billy

[Non-text portions of this message have been removed]

31195. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 08:22:07 UTC
From: Billy McFarland
Topic: 31180 Message: 31195

A 4:1 unun diagram

73 de GM0OBX billy

[Non-text portions of this message have been removed]

31196. Re: [ham-antennas] Baluns?

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 12:17:26 UTC
From: enkitec@...
Topic: 31190 Message: 31196

Google has a lot of links about DIY 9:1 baluns. See one:

http://www.m0ukd.com/Magnetic_Long_Wire_UnUn/

73,
Mark Jordan PY3SS

On 02-Feb-14 02:36, Dave wrote:
>
>
> Hello Gentlemen -- I see several balun stories passing thru this group
> recently and am wondering -- where I might obtain either a couple of 9
> to 1 baluns or where anyone might direct me to obtain parts to build
> some for a project at my location -- wanting to put them in a receive
> only situation so multi KW parts likely not needed -- Thanks,
>
> W?DR / Dave
>
>
>
>

31197. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 13:04:28 UTC
From: Rick Poole WA1RKT
Topic: 31180 Message: 31197

From: "Billy McFarland" <gm0obx@...>
Sent: Sunday, February 2, 2014 12:20:30 AM
>>
>> I've attached a drawing if a 4/1 balun. Will look for a
>> 4:1unjn. The difference is not adding a piece of coax.

Good morning, Billy.

Apparently the ham-antennas reflector doesn't allow file attachments. You can send the file directly to me at wa1rkt@... if you wish.

I've seen a drawing for a 1:1 balun vs unun that seems to indicate that the radio-side coax connector connections are reversed for an unun vs a balun. Not sure why that would be, nor any idea whether this person knows what he's talking about. Anyway it's a 1:1 where I need a 4:1.

I haven't gotten a direct answer to my question of whether the unun needs to be current-type, or a voltage-type will do. A current-type balun (as contrasted with unun) forces equal currents on each side of a balanced antenna or feedline. This antenna uses one of those (a 1:1) outside the shack window to translate between balanced line and coax. My thinking is that I shouldn't need to do that again at the tuner end with the 4:1, and a simple 4:1 impedance transformer (voltage type) should be all I need there. Can someone tell me whether I'm right or wrong on this?

>> Removing your 1:2 balun putting the 4:1 at the atu and twin
>> feed straight to the atu will give you a doublet antenna.

I don't have a 1:2, it's a 1:1. But in any case, running the ladder line into the shack and connecting it to the back of the tuner will result in too much RF in the shack (I know, if things are set up correctly it should not do that, but it does). It's fine at 100 or 200 watts but I'm running 700 watts on one station and 1000-1200 watts on two others and I run several computers here that I don't want to take a chance on rebooting or corrupting them when I transmit. That hasn't happened here yet and I'd prefer to keep it that way.

Rick WA1RKT

31198. Re: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 13:42:20 UTC
From: Billy McFarland
Topic: 31180 Message: 31198

Hi rick,

My thoughts are the ladder line is balanced and cancel each other out so the 4:1 is purely for impedance matching. The voltage balun would do. Ill email you this'd files over.

73 de GM0OBX billy

31199. RE: [ham-antennas] Need 4:1 unun (do I need a current-type?)

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 16:29:53 UTC
From: MIKE DURKIN
Topic: 31180 Message: 31199

yahoo strips attachments and the such ... try putting the diagram in the pictures section ... then copy the url into your reply .. Mike To: ham-antennas@yahoogroups.com From: gm0obx@... Date: Sun, 2 Feb 2014 08:22:07 +0000 Subject: Re: [ham-antennas] Need 4:1 unun (do I need a current-type?) A 4:1 unun diagram

73 de GM0OBX billy

[Non-text portions of this message have been removed]

31200. 2m 70cm ferrite choke balun

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 18:55:06 UTC
From: Jimmie K9JFK
Topic: 31200 Message: 31200

Hi,

I'm about to make a couple of dual band roll-up type j-poles for 2m and the 70cm band. I sincerely doubt the ability of coax coil loops to form a choke that will operated on both of the bands. I've looked at many web pages trying to find reliable information on using ferrite beads at vhf and uhf, but cannot find any other than anecdotal.... "no problems, seems to work fine"... etc. Even if it is possible, I don't want the size or the losses associated with a coax choke balun, likely made from rg174 or rg58.

Does anyone have some, or know of a location, of some hard data? I know this could be "shotgunned" by using a couple of large snap on ferrite cores, but that is not the style I want on these antennas.

My current test equipment is an MFJ259B and an old Allied Radio SWR meter. The MFJ doesn't go up to 70cm, and the Allied SWR meter is only good to 400mhz. In my experience at lower frequencies, rf on the outer part of the shield causes "hand effects". That is, the meter readings change as parts of your body and hands move along the transmission line. So, that is what I currently have to work with; my body and two pieces of equipment.

Someone will suggest making a five turn coil of coax about 4 inches in diameter. That is an ineffective choke on 2m; the coil actually needs to be about 4 turns/1.5 inches in diameter and something else on 70cm. I doubt if that choke would be effective on the whole 2m band or at 440mhz.

These j-poles will be used with HT's. I've set the design's power limit at 50w, just in case its used with a mobile unit.

I've spent some time looking at ferrite materials and found mention of types 31, 43, and 61. However, the specs on some "type numbers" don't match between manufacturers. One company's UHF material number doesn't have the same specs as another manufacturer. So, I assume that manufacture's name must be used with the "material type number". True or Not???

Any opinions and informational web pages welcomed!

73, Jimmie, K9JFK

31201. RE: 2m 70cm ferrite choke balun

Yahoo group: ham-antennas (2014)
Date: 2014-02-02 19:57:52 UTC
From: <farrerfolks@...>
Topic: 31200 Message: 31201

Hello Jimmie,

While I have not tried this on a simple roll up J, I do believe that you could make a pair of decoupling sleeves. It is standard practice to put a shorted sleeve on the coax to decouple any RF on the shield of the coax. I would suggest that you could fabricate a shorted sleeve for 70 cm just after the attachment to the J go down a 1/4 wave on 2 m and do the same for that band. I have made portable decoupling sleeves in the following manner. Put a connector with a barrel as close to the feed point as practical. On the coax connector going to the radio put on a 70 cm 1/4 wave of shield from a stripped coax of the next size. Put a piece of heat shrink over it to hold it in place. Measure down 1/4 wave on 2m and put another connector/barrel/connector a put a 1/4 wave shield for 2m and repeat the process. I soldered the braid to the connector on the feed side and that way it is secured with the heat shrink. The good part of this is that you can disassemble the feed line easily. That ought of to the trick. Have I seen any hard articles on doing it, there have been a few construction ones but nothing that come to mind. Good luck.

Mel, K6KBE

31202. Re: 2m 70cm ferrite choke balun

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 15:16:32 UTC
From: Jim
Topic: 31200 Message: 31202

Hi Mel,

Thanks for the information, it is something I never considered!

Checked over a couple of web pages and found some discussion of the subject. While I'm still leaning towards the simplicity of ferrite for a choke balun, I think it would interesting to compare working models against each other.

Spring doesn't seem to be hiding around any corners, yet, so I've got some time to build a couple of antennas for comparison. Will need warmer weather to run some test in the backyard, though. We are in the middle of a heat wave here... the temperature is expected to get up over 0 degrees F with today's sunshine (Wisconsin). I would've made a really lousy Canadian... they have it much worse!

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, <farrerfolks@...> wrote:
>
> Hello Jimmie,
>
> While I have not tried this on a simple roll up J, I do believe that you could make a pair of decoupling sleeves. It is standard practice to put a shorted sleeve on the coax to decouple any RF on the shield of the coax. I would suggest that you could fabricate a shorted sleeve for 70 cm just after the attachment to the J go down a 1/4 wave on 2 m and do the same for that band. I have made portable decoupling sleeves in the following manner. Put a connector with a barrel as close to the feed point as practical. On the coax connector going to the radio put on a 70 cm 1/4 wave of shield from a stripped coax of the next size. Put a piece of heat shrink over it to hold it in place. Measure down 1/4 wave on 2m and put another connector/barrel/connector a put a 1/4 wave shield for 2m and repeat the process. I soldered the braid to the connector on the feed side and that way it is secured with the heat shrink. The good part of this is that you can disassemble the feed line easily. That ought of to the trick. Have I seen any hard articles on doing it, there have been a few construction ones but nothing that come to mind. Good luck.
>
> Mel, K6KBE
>

31203. Re: [ham-antennas] Re: 2m 70cm ferrite choke balun

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 15:22:06 UTC
From: Mel Farrer
Topic: 31200 Message: 31203

On the ferrite side, I would tend to look at the core types that they use for VHF/UHF TV baluns. I don't know the type, but am sure you can find it at Amidon or Fairite. Bigger core of course.

Mel, K6KBE

On Monday, February 3, 2014 7:16 AM, Jim <k9jfk@...> wrote:

Hi Mel,

Thanks for the information, it is something I never considered!

Checked over a couple of web pages and found some discussion of the subject. While I'm still leaning towards the simplicity of ferrite for a choke balun, I think it would interesting to compare working models against each other.

Spring doesn't seem to be hiding around any corners, yet, so I've got some time to build a couple of antennas for comparison. Will need warmer weather to run some test in the backyard, though. We are in the middle of a heat wave here... the temperature is expected to get up over 0 degrees F with today's sunshine (Wisconsin). I would've made a really lousy Canadian... they have it much worse!

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, <farrerfolks@...> wrote:
>
> Hello Jimmie,
>
> While I have not tried this on a simple roll up J, I do believe that you could make a pair of decoupling sleeves. It is standard practice to put a shorted sleeve on the coax to decouple any RF on the shield of the coax. I would suggest that you could fabricate a shorted sleeve for 70 cm just after the attachment to the J go down a 1/4 wave on 2 m and do the same for that band. I have made portable decoupling sleeves in the following manner. Put a connector with a barrel as close to the feed point as practical. On the coax connector going to the radio put on a 70 cm 1/4 wave of shield from a stripped coax of the next size. Put a piece of heat shrink over it to hold it in place. Measure down 1/4 wave on 2m and put another connector/barrel/connector a put a 1/4 wave shield for 2m and repeat the process. I soldered the braid to the connector on the feed side and that way it is secured with the heat shrink. The good part of this is that you can
disassemble the feed line easily. That ought of to the trick. Have I seen any hard articles on doing it, there have been a few construction ones but nothing that come to mind. Good luck.
>
> Mel, K6KBE
>

31204. Re: [ham-antennas] Re: 2m 70cm ferrite choke balun

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 21:54:10 UTC
From: Will
Topic: 31200 Message: 31204

Many years ago, 40 to 50, sorry showing my age. J Beam in England came up with an "inside out" balun for it's VHF & UHF A/E range. They took 100 watts or so and used what looked to be about the same size core as a TV balun.

I don't recall actually having seen one and could never quite understand the workings of them. Should be info on the net or maybe an old time G8*** will have had actual experience.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Mel Farrer
> Sent: 02/04/14 04:22 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: 2m 70cm ferrite choke balun
>
> On the ferrite side, I would tend to look at the core types that they use for VHF/UHF TV baluns. I don't know the type, but am sure you can find it at Amidon or Fairite. Bigger core of course.
>
> Mel, K6KBE
>
>
>
>
>
> On Monday, February 3, 2014 7:16 AM, Jim <k9jfk@...> wrote:
>
>
> Hi Mel,
>
> Thanks for the information, it is something I never considered!
>
> Checked over a couple of web pages and found some discussion of the subject. While I'm still leaning towards the simplicity of ferrite for a choke balun, I think it would interesting to compare working models against each other.
>
> Spring doesn't seem to be hiding around any corners, yet, so I've got some time to build a couple of antennas for comparison. Will need warmer weather to run some test in the backyard, though. We are in the middle of a heat wave here... the temperature is expected to get up over 0 degrees F with today's sunshine (Wisconsin). I would've made a really lousy Canadian... they have it much worse!
>
> 73, Jimmie, K9JFK

>
> --- In ham-antennas@yahoogroups.com, <farrerfolks@...> wrote:
> >
> > Hello Jimmie,
> >
> > While I have not tried this on a simple roll up J, I do believe that you could make a pair of decoupling sleeves. It is standard practice to put a shorted sleeve on the coax to decouple any RF on the shield of the coax. I would suggest that you could fabricate a shorted sleeve for 70 cm just after the attachment to the J go down a 1/4 wave on 2 m and do the same for that band. I have made portable decoupling sleeves in the following manner. Put a connector with a barrel as close to the feed point as practical. On the coax connector going to the radio put on a 70 cm 1/4 wave of shield from a stripped coax of the next size. Put a piece of heat shrink over it to hold it in place. Measure down 1/4 wave on 2m and put another connector/barrel/connector a put a 1/4 wave shield for 2m and repeat the process. I soldered the braid to the connector on the feed side and that way it is secured with the heat shrink. The good part of this is that you can
> disassemble the feed line easily. That ought of to the trick. Have I seen any hard articles on doing it, there have been a few construction ones but nothing that come to mind. Good luck.
> >
> > Mel, K6KBE
> >

31205. Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 23:17:43 UTC
From: <chuckl689@...>
Topic: 31205 Message: 31205

Hi all,
I own a diamond discone antenna that I installed in the attic. It is being feed by 60ft long piece of coax (914) The swr is great around 145.00 however when I go to 147+ the swr rises to about 2.1 to 1. I have tried different lengths of the stinger element but no change. I have tried different coax....got better swr and worse performance.
I am thinking that I have to really cut down the stinger a bunch (maybe 2inches or so) before I get what I want.
(The repeaters that I use all are in the 147+ range.)
You comments could help me out,
Thanks
Chuck
KA3EHL

31206. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 23:34:09 UTC
From: Geoff NW7GM
Topic: 31205 Message: 31206

Are you talking about the 'stinger' sticking up straight out of the top? If so, that is most likely for 6m, not 2m and adjusting it won't give you the results you're seeking.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 3, 2014 3:17 PM, <chuckl689@...> wrote:

>
>
> Hi all,
>
> I own a diamond discone antenna that I installed in the attic. It is being
> feed by 60ft long piece of coax (914) The swr is great around 145.00
> however when I go to 147+ the swr rises to about 2.1 to 1. I have tried
> different lengths of the stinger element but no change. I have tried
> different coax....got better swr and worse performance.
> I am thinking that I have to really cut down the stinger a bunch (maybe
> 2inches or so) before I get what I want.
> (The repeaters that I use all are in the 147+ range.)
> You comments could help me out,
> Thanks
> Chuck
> KA3EHL
>
>

31207. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 23:40:59 UTC
From: Andy
Topic: 31205 Message: 31207

I don't own a discone ... however it is my understanding that the stinger element is there ONLY to make the antenna work on 50 MHz (or whatever its lowest band is), where the disk/cone part is too small to be effective. It should have ~no effect on 2 meters and above and can probably even be removed if you don't need 6 meters. You might try doing that in case it does make a difference.

Can you shorten any of the angled elements? I think those are the ones that have a bigger effect near the lower end of the normal discone passband.

I am slightly surprised the SWR changes that rapidly. A discone is supposed to be extremely wideband; the SWR does wiggle up and down somewhat, but I'd think the wiggles wouldn't have been that tight.

I wonder if there is anything near the antenna in your attic that is detuning it?

Andy

31208. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 23:42:45 UTC
From: <chuckl689@...>
Topic: 31205 Message: 31208

Thanks however what can I adjust?
Chuck KA3EHL

31209. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-03 23:50:13 UTC
From: Geoff NW7GM
Topic: 31205 Message: 31209

As the reply after mine stated, a discone is very broadbanded an he (as am I) is surprised with the sharp swr changes you're experiencing. AFAIK there aren't any adjustments you can make, however, a look in the manual might indicate differently.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 3, 2014 3:42 PM, <chuckl689@...> wrote:

>
>
> Thanks however what can I adjust?
>
> Chuck KA3EHL
>
>

31210. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 00:14:03 UTC
From: Charles Albert
Topic: 31205 Message: 31210

Hi, Chuck...

First of all, DO NOT trim any of the elements. Ever!!

You can remove the stinger if you don't use 6m, however.

You have one of two problems (maybe both!) with your discone:

(1) Something in the attic or surrounding roof is detuning the antenna. To test this, you can either move it around in the attic or bring it outside. If you can get it 10' off the ground, it will work well enough for the tests. Once you have done this, see what happens to your SWR. If it goes flat (from about 130 MHz to around 1200 MHz), you have something up there coupling to the antenna.

(2) Grounding issues. Make sure that the coax shield is well grounded (RF ground, NOT simple electrical ground) OR (yes) totally isolated from ground until it connects to the rig. Discones are sensitive to ground loops and they will display behavior like what you describe.

Personally, I suspect #1 above. In your type of installations, ground loops are rare.

Take Care & 73
Charles
KC6UFM

On 02/03/2014 03:17 PM, chuckl689@... wrote:
>
> Hi all,
>
> I own a diamond discone antenna that I installed in the attic. It is
> being feed by 60ft long piece of coax (914) The swr is great around
> 145.00 however when I go to 147+ the swr rises to about 2.1 to 1. I
> have tried different lengths of the stinger element but no change. I
> have tried different coax....got better swr and worse performance.
> I am thinking that I have to really cut down the stinger a bunch
> (maybe 2inches or so) before I get what I want.
> (The repeaters that I use all are in the 147+ range.)
> You comments could help me out,
> Thanks
> Chuck
> KA3EHL
>

31211. RE: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 00:25:06 UTC
From: KB3YRC
Topic: 31205 Message: 31211

I tend to agree, the antenna is designed to preform out of the box.

I too have antennas in the attic and use them on 2 meters.

How are you testing your SWR, meter and radio? Or an antenna tester analyzer?

How are you grounding the radio and coax?

Wet roof with snow covered within inches of the antenna?

Food for thought

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Charles Albert
Sent: Monday, February 03, 2014 7:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Diamond discone Antenna swr problem

Hi, Chuck...

First of all, DO NOT trim any of the elements. Ever!!

You can remove the stinger if you don't use 6m, however.

You have one of two problems (maybe both!) with your discone:

(1) Something in the attic or surrounding roof is detuning the antenna. To test this, you can either move it around in the attic or bring it outside. If you can get it 10' off the ground, it will work well enough for the tests. Once you have done this, see what happens to your SWR. If it goes flat (from about 130 MHz to around 1200 MHz), you have something up there coupling to the antenna.

(2) Grounding issues. Make sure that the coax shield is well grounded (RF ground, NOT simple electrical ground) OR (yes) totally isolated from ground until it connects to the rig. Discones are sensitive to ground loops and they will display behavior like what you describe.

Personally, I suspect #1 above. In your type of installations, ground loops are rare.

Take Care & 73
Charles
KC6UFM

On 02/03/2014 03:17 PM, chuckl689@... wrote:

Hi all,

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I am thinking that I have to really cut down the stinger a bunch (maybe 2inches or so) before I get what I want.

(The repeaters that I use all are in the 147+ range.)

You comments could help me out,

Thanks

Chuck

KA3EHL

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31212. RE: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 01:10:17 UTC
From: <chuckl689@...>
Topic: 31205 Message: 31212

Hi,

1. I moved the antenna and that helped a little--- down to 1.7 at 177+ (I am working on it in between typing)
2. Measuring SWR with a Daiwa cn801 meter---- range 140 to 525mHz
3. Grounding could be an issue I don't have a good RF ground
4. and I note that one element of the cone is about 3 inches short due to a failure (got bent fell off)
5. Bringing the antenna outside is not an option.....I live in an HOA environment and there is a provision against out door antennas.
6. the tip of the 6 meter element is about 3 inches from the roof which is ply wood and standard shingle with nails.

Chuck
KA3EHL

31213. RE: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 01:20:52 UTC
From: <chuckl689@...>
Topic: 31205 Message: 31213

correction to previous post 147MHz not 177
Chuck
KA3EHL

31214. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 01:33:49 UTC
From: Charles Albert
Topic: 31205 Message: 31214

Chuck...

OK, that kind of confirms that you have the antenna coupling to
something. At 2m and up, that could be anything from electrical wiring
to flashing to rain gutters.

Also, the broken element is problematic. Take some wire (#14 is fine)
and make a few wraps around the end of that element and then run it out
to about the same length as the good elements. That will do the trick there.

Are you using the antenna on 6m? If not, take the stinger off to get
things away from the roof.

Take Care & 73
Charles
KC6UFM

On 02/03/2014 05:10 PM, chuckl689@... wrote:
>
> Hi,
>
>
> 1. I moved the antenna and that helped a little--- down to 1.7 at 177+
> (I am working on it in between typing)
>
> 2. Measuring SWR with a Daiwa cn801 meter---- range 140 to 525mHz
>
> 3. Grounding could be an issue I don't have a good RF ground
>
> 4. and I note that one element of the cone is about 3 inches short due
> to a failure (got bent fell off)
>
> 5. Bringing the antenna outside is not an option.....I live in an HOA
> environment and there is a provision against out door antennas.
>
> 6. the tip of the 6 meter element is about 3 inches from the roof
> which is ply wood and standard shingle with nails.
>
> Chuck
>
> KA3EHL
>
>

31215. Re: Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 16:03:26 UTC
From: Jim
Topic: 31205 Message: 31215

Hi Chuck,

First of all, the stinger is an electrical "after thought" and effects only 6m operation. If you want, just take it off! Second, there is probably nothing in you attic that is "detuning" your discone. In my experience, discones don't have any "tuning". If in doubt, unscrew a spoke or hat rod!

I currently have a discone hanging in my basement, about 4ft off the ground. Doesn't work the best there, of course, but well enough to play with. The short spokes screw into the top and will be horizontal; the longer spokes screw in to the hub and will form about a 60 or 65 degree angle when done. Screw all the spokes in just hand tight and then tighten the jam nuts slightly... that's it. You've done all that you can do! There is no other way to tune the discone! Other than connecting the support pipe to the "hub" and passing your coax through it, your job is over! Nothing else you can do to effect "low swr" operation of the antenna.... except at 6meters. There, you can raise and lower the "stinger" for a better swr for transmit.

Aside from what the ads tell us, the discone is a wideband antenna that is primarily meant for receiving operations. Its a real boon to those of us into SDR radio based on the dvb-t dongles; allows us to receive from 30mhz to 1.4ghz. The discone does not have a "perfectly flat" swr across a broad spectrum. There's lots of peaks and valleys!

I've used the discone for transmitting at 2m and 70cm; my experiences match yours at 2m. The swr is neither flat nor constant from one end of the band to the other. I presume it is the same way on 70cm, but my MFJ259b will not go that high. I've used both mobile units and HTs on the discone; at no time has any of the equipment overheated or given me a problem. If the swr is below 3:1, I don't give it a second thought!

So, relax. Hacking on your discone will not effectively tune your antenna for amateur band operations. It is primarily a receive only antenna that is passable for amateur operation. The antenna will never be "flat". Only a dummy load is "flat", and then, only over a specified frequency range; there is no "magic bullet" antenna.

If you want something better for amateur operations on 2m and 70cm, may I suggest a j-pole? Or a standard ground plane? You can make either one of those without much of a problem or expense.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, <chuckl689@...> wrote:
>
> Hi all,
> I own a diamond discone antenna that I installed in the attic. It is being feed by 60ft long piece of coax (914) The swr is great around 145.00 however when I go to 147+ the swr rises to about 2.1 to 1. I have tried different lengths of the stinger element but no change. I have tried different coax....got better swr and worse performance.
> I am thinking that I have to really cut down the stinger a bunch (maybe 2inches or so)

before I get what I want.
> (The repeaters that I use all are in the 147+ range.)
> You comments could help me out,
> Thanks
> Chuck
> KA3EHL
>

31216. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 20:28:49 UTC
From: KD8NNU
Topic: 31205 Message: 31216

Thanks
Don
Sent from my iPad

> On Feb 4, 2014, at 12:50 AM, Geoff NW7GM <geoff.nw7gm@...> wrote:
>
> As the reply after mine stated, a discone is very broadbanded an he (as am I) is surprised with the sharp swr changes you're experiencing. AFAIK there aren't any adjustments you can make, however, a look in the manual might indicate differently.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>> On Feb 3, 2014 3:42 PM, <chuckl689@...> wrote:
>>
>> Thanks however what can I adjust?
>>
>> Chuck KA3EHL
>>
>
>

31217. uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-04 23:20:51 UTC
From: <davewilsonholcomb@...>
Topic: 31217 Message: 31217

```
what is the best uhf ham radio antenna for a base station application?
it must work well for 445-450 voice
```

31218. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 00:58:17 UTC
From: Dale Miller
Topic: 31217 Message: 31218

On 2/4/2014 5:20 PM, davewilsonholcomb@... wrote:
>
>
> what is the best uhf ham radio antenna for a base station application?
> it must work well for 445-450 voice
>
If you want to build I have had good luck with this antenna.
<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
or
<http://www.n1gy.com/ocfd-dual-band-antenna-version-1.html>

I'm thinking about building one of these myself.
<http://www.dxzone.com/dx20279/vhf-uhf-dualband-vertical-antenna.html>

If your wanting to purchase I have no idea as I've never purchased base
antennas so have no experience with that.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

31219. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 01:17:26 UTC
From: <chuckl689@...>
Topic: 31205 Message: 31219

Hi all,

So the following actions resulted in the following (it is a DN-130 Diamond Discone mounted in attic)

1. removed the 6 meter whip/stinger.....no change
2. increased the distance between objects and quick fix the one short element in the cone
Some more change.....now down to 1.5 to one at 147+ (where the problem is) Also as expected the maximum power out is now about 65 watts out of an icom 2200H

I don't know if I can get any more short of mounting it outside which is not going to happen.

Thanks all for great suggestions...

Chuck
KA3EHL

31220. Re: [ham-antennas] Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 01:42:19 UTC
From: Charles Albert
Topic: 31205 Message: 31220

I think that's about as good as it's gonna get, Chuck.

Every discone I have used over the last 20+ years I have had 1.7:1 or
less from 130-ish up to 1200-ish. That includes the exact antenna you have.

But, as someone said, there are no magic antennas.

Glad to have been of help!

On 02/04/2014 05:17 PM, chuckl689@... wrote:
>
> Hi all,
>
>
> So the following actions resulted in the following (it is a DN-130
> Diamond Discone mounted in attic)
>
>
> 1. removed the 6 meter whip/stinger.....no change
>
> 2. increased the distance between objects and quick fix the one short
> element in the cone
>
> Some more change.....now down to 1.5 to one at 147+ (where the
> problem is) Also as expected
>
> the maximum power out is now about 65 watts out of an icom 2200H
>
>
> I don't know if I can get any more short of mounting it outside which
> is not going to happen.
>
>
> Thanks all for great suggestions...
>
>
> Chuck
>
> KA3EHL
>
>

31221. RE: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 01:45:11 UTC
From: KB3YRC
Topic: 31217 Message: 31221

What do you want to spend? where do you want to mount it? How much power?

Do you need to hid it?

I have a copper J pole in the attic, using a Motorola Maxtrac at 45 Watts

I cover 20 repeaters.

I have a mobile antenna mounted on the cap of the chimney and hit 30 stations.

an average $ 50.00 base station Comet to a 8 Ft $200.00 Fiberglass

Using RG 231 cable

What do you need to cover

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of davewilsonholcomb@yahoo.com
Sent: Tuesday, February 04, 2014 6:21 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] uhf antenna

what is the best uhf ham radio antenna for a base station application?

it must work well for 445-450 voice

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31222. uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 02:16:02 UTC
From: dave
Topic: 31217 Message: 31222

this antenna will be used during outdoor foot races in a canyon mounted on a tripod. only 50 watts of power is available so high gain is necessary. i can spend $200-300.

31223. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 02:32:40 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31217 Message: 31223

If you need omni, you are looking at either a slim jim (which has a nice low takeoff angle and about 5 db gain) - or a colinear, which could have significantly more gain with a more squished pattern...Slim jim can be made of ladder line or 300 ohm TV line... the colinear, coax.

If you are thinking directional, a cubical quad beam is light and very portable. (You could put together a foldable antenna using fiberglass rods as spreaders that would break down into something you could throw into your trunk easily.) - Simple pvc pipe mast and so on...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: dave <davewilsonholcomb@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Tuesday, February 4, 2014 9:16 PM
Subject: [ham-antennas] uhf antenna

this antenna will be used during outdoor foot races in a canyon mounted on a tripod. only 50 watts of power is available so high gain is necessary. i can spend $200-300.

31224. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 02:43:09 UTC
From: james
Topic: 31217 Message: 31224

Hello I use a slim jim that I got from n9tax they are cheap 22.95 I think,, I hit repeaters 60 + miles all the time,, Harold n5tog

31225. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 03:36:06 UTC
From: dave
Topic: 31217 Message: 31225

i am seeking a gain of at least 7 preferably higher
anyone know of a better omni antenna for 444-450
than the diamond X300NA in both quality construction and gain?

On Tuesday, February 4, 2014 6:32 PM, Bill Blomgren (kk4qdz) <billblomgren@...> wrote:

If you need omni, you are looking at either a slim jim (which has a nice low takeoff angle and about 5 db gain) - or a colinear, which could have significantly more gain with a more squished pattern...Slim jim can be made of ladder line or 300 ohm TV line... the colinear, coax.

If you are thinking directional, a cubical quad beam is light and very portable. (You could put together a foldable antenna using fiberglass rods as spreaders that would break down into something you could throw into your trunk easily.) - Simple pvc pipe mast and so on...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: dave <davewilsonholcomb@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Tuesday, February 4, 2014 9:16 PM
Subject: [ham-antennas] uhf antenna

this antenna will be used during outdoor foot races in a canyon mounted on a tripod.
only 50 watts of power is available so high gain is necessary. i can spend $200-300.

31226. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 04:10:09 UTC
From: Dexter McIntyre W4DEX
Topic: 31217 Message: 31226

dave wrote:
>
> i am seeking a gain of at least 7 preferably higher
> anyone know of a better omni antenna for 444-450
> than the diamond X300NA in both quality construction and gain?
Yes, a DB-420:

http://www.tessco.com/products/displayProductInfo.do?sku=73361

Even though it's speced for 450-470 MHz it works great down to at least 442. There has been a lot of business band systems turned down recently so you may find one cheap before it is sold for scrap.

Dex

31227. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 04:58:28 UTC
From: Dale Miller
Topic: 31217 Message: 31227

On 2/4/2014 9:36 PM, dave wrote:
>
>
> i am seeking a gain of at least 7 preferably higher
> anyone know of a better omni antenna for 444-450
> than the diamond X300NA in both quality construction and gain?
>
>

You won't get a gain of that much with an omni directional antenna.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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31228. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 05:15:50 UTC
From: dave
Topic: 31217 Message: 31228

i am looking at the 420-50-11 manufactured by m2 antenna.

anyone know of a better antenna than this one for 444-450?

On Tuesday, February 4, 2014 8:58 PM, Dale Miller <stpatrick2@...> wrote:

On 2/4/2014 9:36 PM, dave wrote:

i am seeking a gain of at least 7 preferably higher
>anyone know of a better omni antenna for 444-450
>than the diamond X300NA in both quality construction and gain?
>
>
>
You won't get a gain of that much with an omni directional antenna.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005 Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423 stpatrick3spam@... stpatrick2spam@... stpatrick3spam@...
bdchimneysweepspam@... (cut the spam to reply) VOTE TO REBUILD! www.twintowersalliance.com
--

31229. Re: [ham-antennas] uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 10:25:46 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31217 Message: 31229

That one is fairly directional. Keep in mind that there is no "best" antenna.

Is everyone that needs to hit the repeater in one direction? Directional antennas will be sensitive in one direction primarily.

If you are doing a bike race that is cross country (well, perhaps cross county) - the roads will not all be a straight line.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: dave <davewilsonholcomb@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Wednesday, February 5, 2014 12:15 AM
Subject: Re: [ham-antennas] uhf antenna

i am looking at the 420-50-11 manufactured by m2 antenna.

anyone know of a better antenna than this one for 444-450?

On Tuesday, February 4, 2014 8:58 PM, Dale Miller <stpatrick2@...> wrote:

On 2/4/2014 9:36 PM, dave wrote:

i am seeking a gain of at least 7 preferably higher
>anyone know of a better omni antenna for 444-450
>than the diamond X300NA in both quality construction and gain?
>
>
>
You won't get a gain of that much with an omni directional antenna.

-- All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005
Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423 stpatrick3spam@... stpatrick2spam@... stpatrick3spam@...
bdchimneysweepspam@... (cut the spam to reply)
VOTE TO REBUILD! http://www.twintowersalliance.com/ __

31230. RaDAR (Rapid Amateur Radio Deployment)

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 13:03:05 UTC
From: <aa2nh@...>
Topic: 31230 Message: 31230

Making amateur radio fun!
https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/
https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/

31231. Re: uhf antenna

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 15:25:39 UTC
From: Jim
Topic: 31217 Message: 31231

Hi Dave..

For single band operation at vhf-uhf, it's very hard to beat the cost and efficiency of the ground plane antenna. All you really need are a so239 chassis connector and some stiff wire. Put a little loop, or solder and eyelet, in the vertical radiator and it can be hung up just about anywhere; a hose clamp around the connector will let you mount it on a pipe, plastic tube, or wood stick. I've not had any problems with "tuning" a ground plane, and have found it generally not necessary. The antenna seems to be mostly impervious to bad construction techniques.

<<http://www.ccars.org/projects/2mgp/tech_2mgp.htm>>

The above web page has directions for 2m, 220, and 440; the dimensions for 440 are pretty small.

You'll need some stiff wire and a soldering iron, but the antenna is quick and easy to make. Wire can be welding rod, coat hanger, or copper. If you have some heavier gauge copper wire around, strip the insulation off, then put one end in a vice and the other end in an electric drill; running the drill slowly will twist the wire, causing it to "grow" in diameter, shorten in length, and work harden. Makes for good antenna elements, if its not exposed to the weather and birds.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, <davewilsonholcomb@...> wrote:
>
> what is the best uhf ham radio antenna for a base station application?
> it must work well for 445-450 voice
>

31232. Heathkit IntelliRotor. Model HD1780.

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 15:56:01 UTC
From: Peter Carr
Topic: 31232 Message: 31232

I have this controller which is hooked to a Ham IV rotator. The coin battery in the keyboard was bad and has been changed. The keyboard runs the rotator in each direction from the manual control okay. The keyboard screen works fine but the compass rose don't indicate azimuth. They do light up when the unit is initialized.

First question: does anyone have an operations manual for the controller? It acts like it's okay, just not getting the right sequence of keys.
Second question: Would anyone have a standard Hy-Gain controller for this rotator? I'd like to buy one and get this unit in the air.
Thanks & 73,
Pete Carr WW3O

31233. Re: [ham-antennas] Heathkit IntelliRotor. Model HD1780.

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 18:52:52 UTC
From: Rick Poole WA1RKT
Topic: 31232 Message: 31233

From: "Peter Carr" <wb3bqo@...>
Sent: Wednesday, February 5, 2014 10:56:01 AM
>>
>> does anyone have an operations manual for the controller?

Good afternoon, Pete.

Look for Fred, W3ZU, on 14.300 pretty much any time of the day after about 1500Z (1000 EST). I'm pretty sure he has one of those and might be able to help you.

Rick WA1RKT
Londonderry, NH
Catch me on 14.300 MHz Intercon / MMSN most days

= = = = = = = = = =

Thought for the day: We are hams. Not HAMs. "Ham" is not an acronym.

31234. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 22:27:00 UTC
From: dave
Topic: 30839 Message: 31234

antennas can heat bodily tissue and animal type tissue. the rf can actually cause burns to the skin but i doubt that the rf would heat wood type material. so a fire caused by an antenna would be very unlikely. only possible danger is power lines near an antenna whether in a tree or not.

On Thursday, January 9, 2014 6:58 PM, "kl7rs@..." <kl7rs@...> wrote:

Does anyone know if an antenna hidden in a tree can actually catch the
tree on fire?

What precautions if any can eliminate or reduce the
chance of this happening. I'm curious because a lot of people are living in HOAs these days and are forced to put up stealth antennas and I can only assume most of these stealth antennas are going up in trees.

31235. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 22:35:30 UTC
From: Jim Bennett
Topic: 30839 Message: 31235

I live in such an HOA / CC&R neighborhood and yes, I have three antennas strung through the trees. One is an 88 foot long doublet made with #26 "Silky Coat" wire I bought from The Wireman in SC.I run 500 watts to it on 40-6 meters from an Elecraft KPA500, through 110 feet of 450 ohm ladder line. I had to replace part of the wire several months ago because a limb broke and snapped it. Inspection of the entire 88 feet revealed ZERO punctures or arc-through spots. This antenna has been up for over three years and performs very well. It is almost 100% horizontal in orientation.

I have two other wire antennas, both Inverted L's. One is for 80 meters, the other is for 160 meters. Each runs vertically up the side of two different redwood trees and then over a limb and out horizontally. Neither of them have had any evidence of arcing. And lastly, none of my trees have yet to become roman candles! :-)

That being said, running 1,000 or 1,500 watts might be a different story, so YMMV!

Jim / W6JHB

On Wednesday, Feb 5, 2014, at Wednesday, 2:27 PM, dave wrote:

>
> antennas can heat bodily tissue and animal type tissue. the rf can actually cause burns to the skin but i doubt that the rf would heat wood type material. so a fire caused by an antenna would be very unlikely. only possible danger is power lines near an antenna whether in a tree or not.
>
>
> On Thursday, January 9, 2014 6:58 PM, "kl7rs@yahoo.com" <kl7rs@...> wrote:
>
> Does anyone know if an antenna hidden in a tree can actually catch the tree on fire?
>
> What precautions if any can eliminate or reduce the chance of this happening. I'm curious because a lot of people are living in HOAs these days and are forced to put up stealth antennas and I can only assume most of these stealth antennas are going up in trees.
>
>
>
>

31236. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 23:06:27 UTC
From: <aa2nh@...>
Topic: 30839 Message: 31236

It takes so little to set dry leaves ablaze! Probably the best thing I ever did is find an antenna that I could put away when I was done 'playing'. I got an EzMilitary antenna and it works great. Just google it!

31237. Re: [ham-antennas] Stealth Antennas hidden in Trees

Yahoo group: ham-antennas (2014)
Date: 2014-02-05 23:19:15 UTC
From: worahm@...
Topic: 30839 Message: 31237

I currently use full power on a 5 BTV Hustler vertical and two inverted V's. One inverted V for 80 meters and another for 18 meters in the pine woods behind my house. Before these antennae, I used a 5BTV all band inverted V in the woods for 15 years and have seen no indication of a anything getting hot or catching on fire.

Bill
KB2GF

31238. attic and 90 degree bend

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 01:40:01 UTC
From: <rs1946@...>
Topic: 31238 Message: 31238

I have a full wave 40 meter dipole antenna. I would like to install this in my attic. I have an L shape ranch.Will the antenna work if I install it so the one leg is 90 degrees to the other leg? or will it work if one leg is 90 degrees about midpoint on that leg? thanks KB8DRO Bob

31239. Re: [ham-antennas] attic and 90 degree bend

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 02:14:02 UTC
From: Artek Manuals
Topic: 31238 Message: 31239

For starters, I think you probably mean 1/2 wave dipole not a full wave dipole (the later would around 66 feet on each leg ...132' total ...mighty big house

"Work" is a relative term ...but yes it will work to some degree in either configuration. In fact given the other compromises that such an antenna presents I doubt seriously that you will be able to tell the difference in a meaningful way.

Dave
NR1DX

n 2/5/2014 7:40 PM, rs1946@... wrote:
> I have a full wave 40 meter dipole antenna. I would like to install
> this in my attic. I have an L shape ranch.Will the antenna work if I
> install it so the one leg is 90 degrees to the other leg? or will it
> work if one leg is 90 degrees about midpoint on that leg? thanks
> KB8DRO Bob
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31240. Re: [ham-antennas] Stealth Antennas hidden in Trees-Reply

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 02:50:36 UTC
From: DVC3565@...
Topic: 31240 Message: 31240

Contraire My Friend! You need to do a "little" homework. 1st...any live tree (has sap & moisture in the wood & bark,) can be ignited by an electrical arc. Depending on antenna type, (end fed, vertical, 1/4 wave, 1/2 wave, etc,) how it is fed (coax, ladder line,) fed (gamma match, stub, direct, etc,) AND the SWR of said antenna, determine's the Voltage & current nodes & where they are maximum & minimum.
2nd...I won't bore anyone with dry theory...but your statement that RF can't heat wood, or cause a fire is...well, false.
FYI- I was lax in trimming a tree close to a Hustler 6-BTV a few years back. I got lazy and moved about 30 KC from my sweet spot on 75 Meters with OUT touching up the tuner, (I was checking into a net at the time.) Within 3 minutes my neighbor called me on the phone to tell me my tree was smoking. (It was.) A few more minutes without tuning again...I would have had a fire. 1/4 wave Verticals have about 5,000 Volts at the tip-tuned, more if the SWR is high. And...NO! I was only running 110 watts at the time. (No amplifier on line.) Google it sometime. (1/4 wave vertical antennas and high voltage nodes).
73,
Dave-KJ4PF

In a message dated 2/5/2014 8:04:42 P.M. Eastern Standard Time, davewilsonholcomb@... writes:

antennas can heat bodily tissue and animal type tissue. the rf can actually cause burns to the skin but i doubt that the rf would heat wood type material. so a fire caused by an antenna would be very unlikely. only possible danger is power lines near an antenna whether in a tree or not.

31241. MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 11:17:55 UTC
From: <kl7rs@...>
Topic: 31241 Message: 31241

I have a bunch of MFJ mobile antennas. None of the stainless steel whips are together with any of the fiberglass shafts. Now I'm trying to figure out which whips go with which shafts. If anyone has a MFJ 1640T (40 meter) or the (20 meter) mobile antenna, could you measure the stainless steel whip and let me know approximately how long it is so that I can get some of these matched up?

Norm

31242. Re: [ham-antennas] MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 14:18:16 UTC
From: Geoff NW7GM
Topic: 31241 Message: 31242

One would think that the lower the band the longer the whip, wouldn't they?

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 6, 2014 3:17 AM, <kl7rs@...> wrote:

>
>
> I have a bunch of MFJ mobile antennas. None of the stainless steel whips
> are together with any of the fiberglass shafts. Now I'm trying to figure
> out which whips go with which shafts. If anyone has a MFJ 1640T (40 meter)
> or the (20 meter) mobile antenna, could you measure the stainless steel
> whip and let me know approximately how long it is so that I can get some of
> these matched up?
>
> Norm
>
>

31243. Re: [ham-antennas] MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 14:45:11 UTC
From: Larry Brown
Topic: 31241 Message: 31243

MFJ or other antenna analyzer, hook up the shafts and switch whips until you get the match.

On Feb 6, 2014, at 6:17 AM, <kl7rs@...> <kl7rs@yahoo.com> wrote:

> I have a bunch of MFJ mobile antennas. None of the stainless steel whips are together with any of the fiberglass shafts. Now I'm trying to figure out which whips go with which shafts. If anyone has a MFJ 1640T (40 meter) or the (20 meter) mobile antenna, could you measure the stainless steel whip and let me know approximately how long it is so that I can get some of these matched up?
>
> Norm
>
>

31244. Re: [ham-antennas] attic and 90 degree bend

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 15:27:59 UTC
From: <rs1946@...>
Topic: 31238 Message: 31244

Yes my error not a full wave it is 1/2 wave thanks for the reply now lets see if I can get the coax to the basement without going through the celling

31245. Titan on lower band edges

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 16:29:30 UTC
From: Francis Surovec
Topic: 31245 Message: 31245

I am in the process of putting a Titan DX back together again and would like it tuned to the CW portions of the bands. I understand the capacitor for 80 meters at the top of the antenna.... but does installing that capacitor automatically move the "sweet spot" of the other bands to the lower part of the spectrum? I don't believe I have read anything about adjustment for these sections of the bands.... what am I missing?

Francis

31246. RE: MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 17:04:11 UTC
From: <kl7rs@...>
Topic: 31241 Message: 31246

The whips I have range in length from about 12" to over 4 feet. I'm just trying to get in the ballpark. Then I can fine tune it once I have it close to resonant. I don't have an analyzer. If I did, I wouldn't be asking for help.

Norm

31247. RE: MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 17:06:35 UTC
From: <kl7rs@...>
Topic: 31241 Message: 31247

I don't have an analyzer, that's why I'm asking if anyone has the 40 or 20m versions of this antenna to maybe measure the whip lengths for me. I'm hoping it isn't too big of a task to ask.

Norm

31248. Re: [ham-antennas] RE: MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 17:48:59 UTC
From: Larry Brown
Topic: 31241 Message: 31248

Sorry Norm, my mistake!

On Feb 6, 2014, at 12:04 PM, <kl7rs@...> wrote:

>
> The whips I have range in length from about 12" to over 4 feet. I'm just trying to get in the ballpark. Then I can fine tune it once I have it close to resonant. I don't have an analyzer. If I did, I wouldn't be asking for help.
>
>
>
> Norm
>
>
>

31249. Re: [ham-antennas] RE: MFJ 1640T - length of whip?

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 17:52:11 UTC
From: WALTER FIPPS
Topic: 31241 Message: 31249

Try 38 or 40 inches,MFJ says overall length is about 7 ft. collapsible to 4 ft.
 73
KD4OVR
Walter A. Fipps Jr.

From: "kl7rs@..." <kl7rs@...>
To: ham-antennas@...m
Sent: Thursday, February 6, 2014 12:06 PM
Subject: [ham-antennas] RE: MFJ 1640T - length of whip?

I don't have an analyzer, that's why I'm asking if anyone has the 40 or 20m versions of this antenna to maybe measure the whip lengths for me. I'm hoping it isn't too big of a task to ask.

Norm

31250. Re: [ham-antennas] Stealth Antennas hidden in Trees-Reply

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 20:51:55 UTC
From: <aa2nh@...>
Topic: 31240 Message: 31250

See how easily this fire is set from the antenna touching the piece of fire retardant cloth?
http://youtu.be/zBV-IHA7PCE http://youtu.be/zBV-IHA7PCE

31251. Re: [ham-antennas] Stealth Antennas hidden in Trees-Reply

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 20:56:28 UTC
From: worahm@...
Topic: 31240 Message: 31251

[Body unavailable in the source archive]

31252. Re: [ham-antennas] Stealth Antennas hidden in Trees-Reply

Yahoo group: ham-antennas (2014)
Date: 2014-02-06 21:17:40 UTC
From: Frank Kirschner
Topic: 31240 Message: 31252

I meant to reply to the person asking about the attic antenna: be careful to keep the antenna away from wooden or other flammable objects, especially at the ends, and especially if you are running anything above QRP.

I had a fan dipole in my attic, and had the 40 meter elements folded at 90 degrees to fit. It worked OK, except for the fact that the attic had lots of metal objects, which probably absorbed much of the RF. But I did make contacts. I was careful to keep the antenna at least a foot away from any objects, using insulators and rope.

73,
Frank
KF6E

On Thu, Feb 6, 2014 at 3:51 PM, <aa2nh@...> wrote:

>
>
> See how easily this fire is set from the antenna touching the piece of
> fire retardant cloth?
>
> http://youtu.be/zBV-IHA7PCE
>
> _
>

31253. Fw: [loopantennas] Re: details about the Alpha loop

Yahoo group: ham-antennas (2014)
Date: 2014-02-07 17:32:57 UTC
From: JOHN CEDARHOLM
Topic: 31253 Message: 31253

Details to be posted in the antennaloop yahoo group.

31254. why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 01:06:08 UTC
From: <doug@...>
Topic: 31254 Message: 31254

Hello. Forgive me for this "deer in the headlights" type question.
I have put a butternut vertical on a 10-ft mast (and I want to add another 10') using twinlead for elevated radials. Now I have this issue: the resonance points are generally outside the bands, and are all not where I want them. So I can take my antenna analyzer to the roof and fiddle around with the butternut, then with the lengths of the tuned radial segments and get it where I want it, then challenge the devil by adding another 10-feet to the mast.
OR
I can take down the butternut and put up a 43-foot vertical (no traps, etc) and put an automatic tuner at its base and ta-da, I'm done. Unless I fall off the roof (then I suppose I'm done too).

Finally, my question: what's the difference in effectiveness between using a resonant vertical vs an un-resonant vertical and a tuner at its base? (feedpoint)

please help this old man figure this out.
thanks, 73, Doug k7kw

31255. Re: [ham-antennas] why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 01:24:58 UTC
From: Artek Manuals
Topic: 31254 Message: 31255

Doug

1) My experience (B-nut user 30+ years) is the B-nut shouldn't change that much at 10' vs 20' above the ground

2) The thing with the B-nut is that because of the loading system (and 15M Decoupling stub) is that the part (with the exception 0f 10M) that radiates is actually a 1/4 wave or less which keeps the lion share of the radiation below approximately 30 degrees take off angle on ALL Bands. The 43' plain vertical will become longer than 5/8 wavelength on the 20M-10M bands resulting in the bulk of the radiated signal going up a very high radiation andngles warming the clouds but not useful for working even the east coast let alone DX from 7 land. .. 20M and below it will work better than the B-nut

Dave
NR1DX

On 2/7/2014 7:06 PM, doug@... wrote:
>
> Hello. Forgive me for this "deer in the headlights" type question.
>
> I have put a butternut vertical on a 10-ft mast (and I want to add
> another 10') using twinlead for elevated radials. Now I have this
> issue: the resonance points are generally outside the bands, and are
> all not where I want them. So I can take my antenna analyzer to the
> roof and fiddle around with the butternut, then with the lengths of
> the tuned radial segments and get it where I want it, then challenge
> the devil by adding another 10-feet to the mast.
> OR
> I can take down the butternut and put up a 43-foot vertical (no
> traps, etc) and put an automatic tuner at its base and ta-da, I'm
> done. Unless I fall off the roof (then I suppose I'm done too).
>
> Finally, my question: what's the difference in effectiveness between
> using a resonant vertical vs an un-resonant vertical and a tuner at
> its base? (feedpoint)
>
> please help this old man figure this out.
> thanks, 73, Doug k7kw
>

--
Dave
Manuals@...

www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31256. Re: [ham-antennas] why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 13:25:31 UTC
From: <doug@...>
Topic: 31254 Message: 31256

Thanks Dave.
Clear description! So if radiation angle is the issue, then I suppose I could set up a shorter vertical for 20 meters and up, and use a tuner with it for those bands, and have a good match and good angle both.
There's a lot to learn about antennas for me. In the meantime, I will try an autotuner at the feedpoint of my butternut and take advantage of it's traps to keep the radiating element shorter than 5/8 ths on all bands, and still be able to load at off-resonant segments of the bands.
Doug k7kw

31257. Re: [ham-antennas] why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 13:53:17 UTC
From: Keith Heimbold
Topic: 31254 Message: 31257

I owned the butternut hf6v when I first got started in ham radio and had it elevated and used the stub tuned verticals and did not have such a significant shift in resonance as you described.

I would double check the antenna to see if something happened to it when you moved it. One thing is for sure that it is a very sensitive bugger and once elevated I found shifting of resonance and interaction issues to be the norm. When the antenna works it is a great antenna but the constant adjusting and fixing drove me nuts.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Feb 8, 2014, at 5:25 AM, doug@k7kw.com wrote:
>
> Thanks Dave.
>
> Clear description! So if radiation angle is the issue, then I suppose I could set up a shorter vertical for 20 meters and up, and use a tuner with it for those bands, and have a good match and good angle both.
>
> There's a lot to learn about antennas for me. In the meantime, I will try an autotuner at the feedpoint of my butternut and take advantage of it's traps to keep the radiating element shorter than 5/8 ths on all bands, and still be able to load at off-resonant segments of the bands.
>
> Doug k7kw
>
>

31258. new member with good Ant. challenge

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 15:09:03 UTC
From: <email4utoo@...>
Topic: 31258 Message: 31258

Hello All, moved from big city to rural Ozarks, now got my ticket , (was ham as teen in 60s), ok. due to layout and budget , i have a long run of 323ft from proposed Ant center ,(some kind of long Dipole with tuner if necessary-building ZM-2 Emtech), antenna avalable length is about

31259. Re: [ham-antennas] new member with good Ant. challenge

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 15:11:06 UTC
From: Keith Heimbold
Topic: 31258 Message: 31259

If I had that I would do a loop. Many designs and great expertise here. Have fun and welcome to the hobby.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Feb 8, 2014, at 7:09 AM, email4utoo@yahoo.com wrote:
>
> Hello All, moved from big city to rural Ozarks, now got my ticket , (was ham as teen in 60s), ok. due to layout and budget , i have a long run of 323ft from proposed Ant center ,(some kind of long Dipole with tuner if necessary-building ZM-2 Emtech), antenna avalable length is about
>
>

31260. rest of dimenson on challege Ant

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 15:12:20 UTC
From: <email4utoo@...>
Topic: 31260 Message: 31260

195 is proposed length of antenna, with 323 ft line run to shack, i am thinking Multi -Band dipole with /insulated twin lead fed into tuner then to my Ten ten argo 556 5watts, HF , any ideas would be welcome . Tnx, 73s , AJ KF5ZYB -Ozarks N AR

31261. Re: [ham-antennas] rest of dimenson on challege Ant

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 15:32:55 UTC
From: Artek Manuals
Topic: 31260 Message: 31261

At 5 watts , I would think about true (handmade) open wire feed line.On that long a run even insulaterd twin lead (300ohm TV line?) has enough loss that could make QRP a challenge

With QRP the higher bands (15M-10M) are more rewarding and forgiving than the lower bands. On 10-12 & 15 even dipoles at modest heights (20' masts) will likely be more useful than very long dipoles and wires. Possibly allowing the dipole to be paced closer to the shack (50' feed lines or less)

Cheers and welcome back

Dave
NR1DX

On 2/8/2014 9:12 AM, email4utoo@... wrote:
>
> 195 is proposed length of antenna, with 323 ft line run to shack, i am
> thinking Multi -Band dipole with /insulated twin lead fed into tuner
> then to my Ten ten argo 556 5watts, HF , any ideas would be welcome .
> Tnx, 73s , AJ KF5ZYB -Ozarks N AR
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31262. RE: [ham-antennas] rest of dimenson on challege Ant

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 15:41:52 UTC
From: KN9B
Topic: 31260 Message: 31262

KF5ZYB

Due to your long 323 Ft feed run and desire for Multiband use it would be best for radiation efficiency to use ladder line as a feed for less loss as you stated. Then use an OCF Dipole. The OCF provides a higher impedance match point and is better for multiband. Lots on Off Center Feed (a.k.a. Windom) Dipoles split ratios vs. best band combination has been written and you can decide, but the 1/3 >>> 2/3 split is a good starting point.

73

KN9B

re: [ham-antennas] rest of dimenson on challege Ant

Hello All, moved from big city to rural Ozarks, now got my ticket , (was ham as teen in 60s), ok. due to layout and budget , i have a long run of 323ft from proposed Ant center ,(some kind of long Dipole with tuner if necessary-building ZM-2 Emtech), antenna avalable length is about 195 is proposed length of antenna, with 323 ft line run to shack, i am thinking Multi -Band dipole with /insulated twin lead fed into tuner then to my Ten ten argo 556 5watts, HF , any ideas would be welcome . Tnx, 73s , AJ KF5ZYB -Ozarks N AR

31263. RE: why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 16:21:47 UTC
From: <ke7zag@...>
Topic: 31254 Message: 31263

Hi Doug,
I have read this post and the subsequent responses thus far and have a couple observations from using a roof mounted Butternut HF9V for a number of years.
The key to successful use of the Butternut HF6 and 9V verticals is that they require a great deal of care in tuning (great deal means a good solid day of work because of all the interaction between the various coils), and it is best done on the ground with the radiator just a few inches above a very good radial field for the ground plane, and you have to be at least 20 feet away from the antenna when you measure the results or they couple with the operator. They are also rather narrow in bandwidth when tuned, so a good external tuner is quite useful when running the edges of the tuned bands.
The aerial installation will require the ground plane radials to be installed in accord with the Butternut instructions for their kit (can be downloaded from Bencher's website), and as long as the ground plane is kept within the appropriate vertical distance of the base of the radiator the antenna will require little additional tuning at elevation as long as you have enough ground plane. When homebrewing the radial ground plane follow commonly accepted radial lengths for the bands in which you intend to operate, if they are too short you will be pushing a rope, and a tuner does not accommodate tuning the radial field.
One critical aspect of the Butternut HF6 and 9V verticals is the impact of winds on the antenna itself. They have enough wind resistance to be quite subject to knocking the capacitor ends out of the capacitors and also moving the coils around, therefore requiring significant maintenance to keep them properly tuned. I have to make at least four trips a year to the roof and repair/retune, but live in a very windy area. They also require guy lines to be installed on the radiator to keep them from breaking the aluminum tubing where it fits over the insulators on the vertical radiator itself (and even at that they crack the aluminum after a few years of wind storms in excess of 40 mph).
In my case, my Butternut is now one again rebuilt and setting in the corner of my shop, and I am installing a 56 foot homebrew vertical with a tuner at the base on a large metal roofed building. If that does not handle the winds, then I am looking to switch to a Zero-Five 6-80 meter Groundplane vertical on the shop roof and call it good until the next windstorm.
73's
Randy

31264. Re: why not use a tuner at the base of my vertical? maybe a dumb questi

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 16:56:08 UTC
From: David Inger
Topic: 31264 Message: 31264

Hi Doug:

There are many opinions and prejudices for and against the 43-ft vertical. I think one of the most reasoned analysis is made by Phil Salas AD5X. Look at the following link:

http://www.ad5x.com/images/Presentations/Vertical43RevA.pdf

With regard to operation above 20-meters, Phil argues that the higher radiation resistance of 43 footer somewhat offsets the higher take off angles on the higher bands. Another approach is to offset (using nonconductive stand-offs) a smaller diameter conductor (wire or tubing) approximately 13 ft. long (~1/4 wavelength for 17 meters), and feed it in parallel with the main 43-ft. radiator. This "kit" is actually available from Zero-5, the maker of a very popular 43-ft. vertical.

73 de K6SBA
David in Santa Barbara, CA

31265. RE: [ham-antennas] new member with good Ant. challenge

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 18:58:49 UTC
From: Richard Schmuke
Topic: 31258 Message: 31265

I agree with Keith. I moved from the city and into the middle of Missouri. Tried several different antenna but the large delta loop beat all my other wire antennas. One antenna, coax fed with a 4:1 balun works all bands. I also have a long dipole, 160M size with a 80M fan, ladder line fed and it can work all band but 20 thru 10 the lobes are off the ends and not good broad side on the high frequencies. The delta loop is better.

Rich, Kd0zz

Subject: Re: [ham-antennas] new member with good Ant. challenge

If I had that I would do a loop. Many designs and great expertise here. Have fun and welcome to the hobby.

Keith

AK6ZZ

On Feb 8, 2014, at 7:09 AM, email4utoo@... wrote:

Hello All, moved from big city to rural Ozarks, now got my ticket , (was ham as teen in 60s), ok. due to layout and budget , i have a long run of 323ft from proposed Ant center ,(some kind of long Dipole with tuner if necessary-building ZM-2 Emtech), antenna avalable length is about

[Non-text portions of this message have been removed]

31266. Re: [ham-antennas] rest of dimenson on challege Ant

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 19:33:03 UTC
From: <email4utoo@...>
Topic: 31260 Message: 31266

Thank you all who responded , yes was thinking 450 ohm twin lead , will consider the Delta Loop carefully and All the Advice that was kindly Shared , appreciate all. Will share my results after i finish my first Ant. in years, yes the Fun Begins, 73s, AJ KF5ZYB Ozarks -N AR ,

31267. Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 20:07:25 UTC
From: <kz3dx@...>
Topic: 31267 Message: 31267

This is a great opportunity for a licensed Ham Radio operator.

For the past 12 years I have been making and selling the Swiss Dipole antenna. I have sold thousands of these here in the US and worlewide.

During the next two years, I am going to be out of the country for 3 months at a time, so I will not be able to make and ship the antennas.

Therefore I have decided to sell the business.

This is a total "Turn Key Business". You get Everything necessary to begin making money next week.

If you send me an email, I will send you a detailed description of the product and the business.

The price of the business is $7,500, which you should easily be able to recoup the first year plus make a profit.

My email address is: kz3dx@yahoo.com

73,
Bill - KZ3DX

31268. RE: Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 20:54:21 UTC
From: <p_chap@...>
Topic: 31267 Message: 31268

Unable to locate a website.....google from my end also provided no information via name, call sign, nor type of antenna that such a business exists

WA4NUN

31269. RE: Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 22:21:20 UTC
From: <email4utoo@...>
Topic: 31267 Message: 31269

RAHRO another Scam ? hope not .

31270. Re: [ham-antennas] RE: Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-08 22:46:56 UTC
From: Mel Farrer
Topic: 31267 Message: 31270

Read the reviews.

Mel

On Saturday, February 8, 2014 2:21 PM, "email4utoo@..." <email4utoo@...> wrote:

RAHRO another Scam ? hope not .

31271. Re: [ham-antennas] RE: Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 00:53:09 UTC
From: <p_chap@...>
Topic: 31267 Message: 31271

Hmmm.....Some home builders change branding, banks, and corporate names every couple of years, usually for the same common reasons.

So much for home builders.....For Condo Buster, or Swiss Dipole, CheezyAnt, or whatever the name is by tomorrow

http://www.eham.net/reviews/detail/6239

Busy home.....seems as though PayPal money goes to William Clemmenson at the same home address who is linked as owner of a multitude of domains.

They have these things known as brokers who deal in businesses for sale

31272. RE: [ham-antennas] Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 01:45:28 UTC
From: MIKE DURKIN
Topic: 31267 Message: 31272

is this you bud?

http://forums.qrz.com/showthread.php?237044-KZ3DX!

To: ham-antennas@yahoogroups.com
From: kz3dx@...
Date: Sat, 8 Feb 2014 12:07:25 -0800
Subject: [ham-antennas] Small Ham Radio Antenna Business For Sale

This is a great opportunity for a licensed Ham Radio operator.

For the past 12 years I have been making and selling the Swiss Dipole antenna. I have sold thousands of these here in the US and worlewide.

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This is a total "Turn Key Business". You get Everything necessary to begin making money next week.

If you send me an email, I will send you a detailed description of the product and the business.

The price of the business is $7,500, which you should easily be able to recoup the first year plus make a profit.

My email address is: kz3dx@...

73,
Bill - KZ3DX

31273. Re: [ham-antennas] rest of dimenson on challege Ant

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 02:53:29 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31260 Message: 31273

Depending on how high it is, a delta loop will work superbly... they just get very large and need to have a fairly tall tree (or set thereof) to hold either the pinnacle or tophat portion of the antenna. They are quiet, and generally work very well. An 80 meter would be a total wire length of 80 meters (minus the velocity factor) - but would be useful on 80 through 10 at least. Your height can be calculated based on a triagle.. with sides that are 1/3 of that 80 meters... around 80+ feet per side. So if your trees are sufficiently tall... and that is a big if... You may be able to do a corner fed, offset fed, or whatever. (I prefer feed at the top at the highest point if possible...)

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "email4utoo@..." <email4utoo@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, February 8, 2014 10:12 AM
Subject: [ham-antennas] rest of dimenson on challege Ant

195 is proposed length of antenna, with 323 ft line run to shack, i am thinking Multi -Band dipole with /insulated twin lead fed into tuner then to my Ten ten argo 556 5watts, HF , any ideas would be welcome . Tnx, 73s , AJ KF5ZYB -Ozarks N AR

31274. RE: new member with good Ant. challenge

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 04:02:31 UTC
From: <soona4sail@...>
Topic: 31258 Message: 31274

Hi....Loops are great antennas, if you have the room, and a horizontal loop is a candidate for sure. Great multi band antenna, and an excellent dx antenna on higher bands. Check this link.

http://www.k5rcd.org/hor%20loop%20instruct.htm

Best website I have seen, and i;ve had loops for 20 + years

73 John

31275. Re: why not use a tuner at the base of my vertical? maybe a dumb questi

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 05:03:04 UTC
From: Jim
Topic: 31264 Message: 31275

Hi Doug,

Dave's right, there is nothing to prevent you from installing side wires for the bands that give high radiation angles. The pitfalls of the 43ft vertical are talked about here, with some models....

< http://www.hamradio.me/antennas/answer-to-everything-43-feet-antenna.html >

If you look at the mods done to a Hustler 4btv or 5btv trapped vertical for adding additional bands, you'll get the idea of what can be done. Normal mods add the 17 and 12 meter bands, but you could do 15 and 10m, too. 234/F(Mhz) would get you into a ballpark length. Input impedance should be about 35 to 60 ohms, depending on the radial field.

73, Jimmie, K9JFK

--- In ham-antennas@yahoogroups.com, "David Inger" <ingerassociates@...> wrote:
>
> Hi Doug:
>
> There are many opinions and prejudices for and against the 43-ft vertical.
> I think one of the most reasoned analysis is made by Phil Salas AD5X. Look
> at the following link:
>
> http://www.ad5x.com/images/Presentations/Vertical43RevA.pdf
>
> With regard to operation above 20-meters, Phil argues that the higher
> radiation resistance of 43 footer somewhat offsets the higher take off
> angles on the higher bands. Another approach is to offset (using
> nonconductive stand-offs) a smaller diameter conductor (wire or tubing)
> approximately 13 ft. long (~1/4 wavelength for 17 meters), and feed it in
> parallel with the main 43-ft. radiator. This "kit" is actually available
> from Zero-5, the maker of a very popular 43-ft. vertical.
>
> 73 de K6SBA
> David in Santa Barbara, CA
>

31276. RE: [ham-antennas] Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 14:41:30 UTC
From: <luckettg@...>
Topic: 31267 Message: 31276

Operator Information for KZ3DX License Holder: Call Data: Erfurth, W A
939 Schneitter Cir, Unit I-4
Midway, UT 84049 Call Sign: KZ3DX Call Status: Active Prev. Call Sign: W7GSA FRN: 0016057853 Dates: Grant: 02/23/2008 Expiration: 02/23/2018 Effective: 04/15/2010 Cancel: Last Action: 04/15/2010 Classification: Radio Service: HV - Vanity Operator Class: Amateur Extra Group: B Type: Individual

31277. Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:10:05 UTC
From: Joe
Topic: 31277 Message: 31277

Helping out a new local here, He put up a 80 meter dipole, before this terrible winter hit, and hasn't been able to trim it to resonance on 80. It's slightly long.

He told me he uses a LDG auto tuner so he can use it on all bands.

He is feeding it with a 100 foot ready made piece of RG8X.

I began to think and told him we should change that out to some like 600 ohm open line. It would work much better for him. I was gonna run what his losses are with that current set up. Because of the losses of that small cable AND especially the added losses because of the should be HIGH SWR.

Ya know a 80 meter dipole on 40 meters should be really nasty true?

I asked him to get SWR numbers for each band without the tuner. He used a MFJ anilizer, and what numbers I was very surprised to read, as follows..

Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876> is RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought it when I was down at AES a while back and needed a ready-to-use coax run for temporary antenna arrangements and never changed it out to another coax.

I had the club analyzer for quite a while and hooked straight to the coax line w/o the tuner in line. I found the most resonant point on each band and here is what it is.....

10M: 2:1 @ 28.3MHz
12M: 2.2:1 @ 24.93 MHz
15M: 2.3:1 @ 21.275 MHz
17M: 2.2:1 @ 18.11 MHz
20M: 2.5:1 @ 14.225 MHz
40M: 2.5:1 @ 7.175 MHz
80M: 1.55:1 @ 3.8 MHz
160M: 1.7:1@1.955MHz

Part of my problem is that this is a home-brew wire dipole and I left the legs long so that I could trim them back to tune them. I was in a hurry to get this in the air before the snow flew last fall and I never trimmed it back at all. Shows what you get when you rush things I guess.

Actually those numbers to me look incredible for no tuner in line.

Or is the losses from that small cable hiding what is really happening here? Or is that MFJ machine junk?

Joe WB9SBD

31278. Re: Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:24:17 UTC
From: kd8bbk@...
Topic: 31277 Message: 31278

Well if the antenna is very broad banded on those swr readings ie: swr doesn't change much from ssb to cw portion of the band, then that would indicate a substantial amount of loss in the antenna system. A 80 meter dipole fed with any balanced feed line will be a very good multi band antenna. I run one here with 300 ohm window line and works good. Just requires a big tuner even at a 100 watts.
Tony
KD8BBK

31279. OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:26:35 UTC
From: KB3YRC
Topic: 31279 Message: 31279

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 ☐ and 15- 5/8 ☐ of ¾ ☐ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31280. Re: [ham-antennas] Re: Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:32:01 UTC
From: Joe
Topic: 31277 Message: 31280
Attachments: 1 described; binary payloads are missing from this source WARC

Thats what I was thinking also. something doesn't sound right.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/9/2014 9:24 AM, kd8bbk@... wrote:
>
>
> Well if the antenna is very broad banded on those swr readings ie: swr
> doesn't change much from ssb to cw portion of the band, then that
> would indicate a substantial amount of loss in the antenna system. A
> 80 meter dipole fed with any balanced feed line will be a very good
> multi band antenna. I run one here with 300 ohm window line and works
> good. Just requires a big tuner even at a 100 watts.
> Tony KD8BBK
>
>
>

31281. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:39:17 UTC
From: doug pfaff
Topic: 31277 Message: 31281

There is nothing wrong with the 1.5 to 1 on 80 metres what are your expectations on a dipole.

Take some more reading every 1000 khz and give us more of a profile picture on each band

It should give you a dish shape profile.

Changing the coax length slightly may make a slight difference. what is your vf factor for the coax.

Read manufactures data of the coax jacket and look it up on the manufactures internet site

Remember your tuner is just satisfying the radio to make the antenna look like a 50 ohm load.

Have you cheked the mfj analyzer against a 50 ohm resistor to make sure its calibrated properly it shpud read 1:1

Remember your 2:1 swr means you could have an actual load of either 100 ohms or a load of 25 ohms either number give you a 2:1 number..

A dipole has a theoretical impedance of 75 ohms.

Good luck send us some more data to help figure out if your really too long

All band other than the fundimental of 80 are harmonics so.

Doug VE5DCP

----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 09, 2014 7:10 AM
Subject: [ham-antennas] Multi-Band dipole.

Helping out a new local here, He put up a 80 meter dipole, before this terrible winter hit, and hasn't been able to trim it to resonance on 80. It's slightly long.

He told me he uses a LDG auto tuner so he can use it on all bands.

He is feeding it with a 100 foot ready made piece of RG8X.

I began to think and told him we should change that out to some like 600 ohm open line. It would work much better for him. I was gonna run what his losses are with that current set up. Because of the losses of that small cable AND especially the added losses because of the should be HIGH SWR.

Ya know a 80 meter dipole on 40 meters should be really nasty true?

I asked him to get SWR numbers for each band without the tuner. He used a MFJ anilizer, and what numbers I was very surprised to read, as follows..

Coax is RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought it when I was down at AES a while back and needed a ready-to-use coax run for temporary antenna arrangements and never changed it out to another coax.

I had the club analyzer for quite a while and hooked straight to the coax line w/o the tuner in line. I found the most resonant point on each band and here is what it is.....

10M: 2:1 @ 28.3MHz
12M: 2.2:1 @ 24.93 MHz
15M: 2.3:1 @ 21.275 MHz
17M: 2.2:1 @ 18.11 MHz
20M: 2.5:1 @ 14.225 MHz
40M: 2.5:1 @ 7.175 MHz
80M: 1.55:1 @ 3.8 MHz
160M: 1.7:1@1.955MHz

Part of my problem is that this is a home-brew wire dipole and I left the legs long so that I could trim them back to tune them. I was in a hurry to get this in the air before the snow flew last fall and I never trimmed it back at all. Shows what you get when you rush things I guess.

Actually those numbers to me look incredible for no tuner in line.

Or is the losses from that small cable hiding what is really happening here? Or is that MFJ machine junk?

Joe WB9SBD

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31282. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 15:51:24 UTC
From: Joe
Topic: 31277 Message: 31282
Attachments: 1 described; binary payloads are missing from this source WARC

yea all are harmonics of 80,

BUT..... a full wave dipole on 40 (1/2 wave on 80) should be almost
infinite SWR like 5000 ohms or some crazy high thing like that, NOT 2.5 to 1

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/9/2014 9:39 AM, doug pfaff wrote:
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>
> There is nothing wrong with the 1.5 to 1 on 80 metres what are your
> expectations on a dipole.
> Take some more reading every 1000 khz and give us more of a profile
> picture on each band
> It should give you a dish shape profile.
> Changing the coax length slightly may make a slight difference. what
> is your vf factor for the coax.
> Read manufactures data of the coax jacket and look it up on the
> manufactures internet site
> Remember your tuner is just satisfying the radio to make the antenna
> look like a 50 ohm load.
> Have you cheked the mfj analyzer against a 50 ohm resistor to make
> sure its calibrated properly it shpud read 1:1
> Remember your 2:1 swr means you could have an actual load of either
> 100 ohms or a load of 25 ohms either number give you a 2:1 number..
> A dipole has a theoretical impedance of 75 ohms.
> Good luck send us some more data to help figure out if your really too
> long
> All band other than the fundimental of 80 are harmonics so.
> Doug VE5DCP
>
> ----- Original Message -----
> *From:* Joe <mailto:nss@...>
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Sent:* Sunday, February 09, 2014 7:10 AM
> *Subject:* [ham-antennas] Multi-Band dipole.
>
> Helping out a new local here, He put up a 80 meter dipole, before
> this terrible winter hit, and hasn't been able to trim it to

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> He is feeding it with a 100 foot ready made piece of RG8X.
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> I began to think and told him we should change that out to some
> like 600 ohm open line. It would work much better for him. I was
> gonna run what his losses are with that current set up. Because
> of the losses of that small cable AND especially the added losses
> because of the should be HIGH SWR.
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> Ya know a 80 meter dipole on 40 meters should be really nasty true?
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> used a MFJ anilizer, and what numbers I was very surprised to
> read, as follows..
>
> Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876> is
> RG8Xmini. 100' as it came with factory PL59 ends already on it. I
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> ready-to-use coax run for temporary antenna arrangements and never
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> left the legs long so that I could trim them back to tune them. I
> was in a hurry to get this in the air before the snow flew last
> fall and I never trimmed it back at all. Shows what you get when
> you rush things I guess.
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> Actually those numbers to me look incredible for no tuner in line.
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> Or is the losses from that small cable hiding what is really
> happening here? Or is that MFJ machine junk?
>
> Joe WB9SBD
>

>
>
> ----------
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> Antivirus <http://www.avast.com/> protection is active.
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>

31283. Re: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 17:02:54 UTC
From: Black Wolfe
Topic: 31279 Message: 31283

No the material does not matter much.
Bruce W. - KV4OE
==========

----- Original Message -----
From: "KB3YRC"

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 " and 15- 5/8 " of ? " aluminum tubing

Dose the material mater? Aluminum or steel conduit?

<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>

31284. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 17:11:02 UTC
From: Billy McFarland
Topic: 31277 Message: 31284

Joe,

I missed the start if this thread. I've made OCF dipoles with a 4:1 current balun and had good swr on all harmonics. 80m, 40m 20m 15m and 10m. These are good antennas with low swr without the need of a tuner. Maybe something like this would suit better

73 de GM0OBX billy

31285. RE: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 17:20:48 UTC
From: MIKE DURKIN
Topic: 31279 Message: 31285

It might change the resonance some .. and also keep in mind the dis-similar metals might need some attention to keep corrosion down ..

If it performed as well as an Archer dual band J-pole ... i might try this out .. and stick it on top of my MFJ-1798 !!!

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: kb3yrc@...
Date: Sun, 9 Feb 2014 10:26:35 -0500
Subject: [ham-antennas] OCFD

A week ago there was a post about an antenna 2 meter / 70 C meter.using 22- 1/8 " and 15-5/8 " of ¾ " aluminum tubing Dose the material mater? Aluminum or steel conduit? <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>

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31286. RE: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 17:56:00 UTC
From: KB3YRC
Topic: 31279 Message: 31286

I want to hid it in a PVC coat rack to be used in a retirement home he can☐t have an antenna.

It has to be better than a rubbery duck on a portable.

Gray PVC and White PVC aren☐t the same, the antenna won☐t work in gray PVC I had to change it.

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of MIKE DURKIN
Sent: Sunday, February 09, 2014 12:21 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] OCFD

It might change the resonance some .. and also keep in mind the dis-similar metals might need some attention to keep corrosion down ..

If it performed as well as an Archer dual band J-pole ... i might try this out .. and stick it on top of my MFJ-1798 !!!

Mike KC7NOA

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From: kb3yrc@...
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Dose the material mater? Aluminum or steel conduit?

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http://www.avast.com

31287. RE: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 17:57:51 UTC
From: KB3YRC
Topic: 31279 Message: 31287

I want to hid it in a PVC coat rack to be used in a retirement home he can☐t
have an antenna.

It has to be better than a rubbery duck on a portable.

Gray PVC and White PVC aren☐t the same, the antenna won☐t work in gray PVC I
had to electrical property☐s in it.

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of KB3YRC
Sent: Sunday, February 09, 2014 12:56 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] OCFD

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have an antenna.

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Behalf Of MIKE DURKIN
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To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] OCFD

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Subject: [ham-antennas] OCFD

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<http://www.avast.com/>

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31288. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 22:35:56 UTC
From: Gerald Bishop
Topic: 31277 Message: 31288

I'd say lucky !!! MFJ are ok- If your works and you believe it. I like mine!! de Jerry W8KQ
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 09, 2014 10:10 AM
Subject: [ham-antennas] Multi-Band dipole.

Helping out a new local here, He put up a 80 meter dipole, before this terrible winter hit, and hasn't been able to trim it to resonance on 80. It's slightly long.

He told me he uses a LDG auto tuner so he can use it on all bands.

He is feeding it with a 100 foot ready made piece of RG8X.

I began to think and told him we should change that out to some like 600 ohm open line. It would work much better for him. I was gonna run what his losses are with that current set up. Because of the losses of that small cable AND especially the added losses because of the should be HIGH SWR.

Ya know a 80 meter dipole on 40 meters should be really nasty true?

I asked him to get SWR numbers for each band without the tuner. He used a MFJ anilizer, and what numbers I was very surprised to read, as follows..

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80M: 1.55:1 @ 3.8 MHz
160M: 1.7:1@1.955MHz

Part of my problem is that this is a home-brew wire dipole and I left the legs long so that I could trim them back to tune them. I was in a hurry to get this in the air before the snow flew last fall and I never trimmed it back at all. Shows what you get when you rush things I guess.

Actually those numbers to me look incredible for no tuner in line.

Or is the losses from that small cable hiding what is really happening here? Or is that MFJ machine junk?

Joe WB9SBD

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31289. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 22:38:58 UTC
From: Joe
Topic: 31277 Message: 31289
Attachments: 1 described; binary payloads are missing from this source WARC

Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or so
as a SWL. and i never had seen anything like this with a simple flat top
dipole cut for like the bottom of 80 meters.

The SWR on 40 and 160 should be pun intended "SKY HIGH!"

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>
>
> I'd say lucky !!! MFJ are ok- If your works and you believe it. I like
> mine!! de Jerry W8KQ
>
> ----- Original Message -----
> *From:* Joe <mailto:nss@...>
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Sent:* Sunday, February 09, 2014 10:10 AM
> *Subject:* [ham-antennas] Multi-Band dipole.
>
> Helping out a new local here, He put up a 80 meter dipole, before
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> resonance on 80. It's slightly long.
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> He is feeding it with a 100 foot ready made piece of RG8X.
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> the losses of that small cable AND especially the added losses
> because of the should be HIGH SWR.
>
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> I asked him to get SWR numbers for each band without the tuner. He
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> read, as follows..

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> Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876> is
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> bought it when I was down at AES a while back and needed a
> ready-to-use coax run for temporary antenna arrangements and never
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> I had the club analyzer for quite a while and hooked straight to
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> Actually those numbers to me look incredible for no tuner in line.
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> Joe WB9SBD
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>

31290. Re: [ham-antennas] Re: Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 22:54:34 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31277 Message: 31290
Attachments: 1 described; binary payloads are missing from this source WARC

Converting it to a low loss doublet with balanced feed (and matching unit) would provide excellent results.... I played with one a co-worker put up in the trees outside his back yard. Even made his own feed line... Result? Plugged in my KX3, and at 8-10 watts got a good signal report from Brazil, and a 5x9 out of Delaware. (Both from the east coast side of the Carolinas.)

The antenna is up 60-80 feet in the air, and working superbly. (He was amazed at the coverage the KX 3 got off his doublet. --- If I could hear it, I could work it...and his doublet works very well... and is "too long" for 80 meters.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: Joe <nss@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 9, 2014 10:32 AM
Subject: Re: [ham-antennas] Re: Multi-Band dipole.

Thats what I was thinking also. something doesn't sound right.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com/

On 2/9/2014 9:24 AM, kd8bbk@... wrote:

Well if the antenna is very broad banded on those swr readings ie: swr doesn't change much from ssb to cw portion of the band, then that would indicate a substantial amount of loss in the antenna system. A 80 meter dipole fed with any balanced feed line will be a very good multi band antenna. I run one here with 300 ohm window line and works good. Just requires a big tuner even at a 100 watts.

Tony KD8BBK

31291. RE: Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 23:00:01 UTC
From: <soona4sail@...>
Topic: 31277 Message: 31291

There is an excellent ham universe website that deals with dipole/doublet antennas, fed with balanced feedline, used in conjunction with a balun and a tuner. .I have used wire antennas for more than thirty years, tried most of them, and have had the most success with a simple wire antenna, and balanced feedline. The link below is a good read, and should help with your project(s)

http://www.hamuniverse.com/hfdoublet.html

73 John

31292. Re: Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 23:08:28 UTC
From: fred
Topic: 31277 Message: 31292

I use a similar setup . 75 metre dipole at 30 ft fed with 50 ft of RG8
with an LDG Z100 autotuner and get good results from 75 metres to 6 metres . it is adjusted for approximately the centre of the general band . 3900 khz .

kd5pnt

--- In ham-antennas@yahoogroups.com, "Bill Blomgren \(kk4qdz\)" <billblomgren@...> wrote:
>
> Converting it to a low loss doublet with balanced feed (and matching unit) would provide excellent results.... I played with one a co-worker put up in the trees outside his back yard. Even made his own feed line... Result? Plugged in my KX3, and at 8-10 watts got a good signal report from Brazil, and a 5x9 out of Delaware. (Both from the east coast side of the Carolinas.)
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> _____
> From: Joe <nss@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, February 9, 2014 10:32 AM
> Subject: Re: [ham-antennas] Re: Multi-Band dipole.
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> Joe WB9SBD
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requires a big tuner even at a 100 watts.
> Tony KD8BBK
>

31293. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-09 23:20:30 UTC
From: enkitec@...
Topic: 31277 Message: 31293
Attachments: 1 described; binary payloads are missing from this source WARC

It remembers me a 80m dipole I built some decades ago. Low SWR on
every frequency I tested it. Amazing!
After some verification, it turns out the coaxial was completely
oxidized... :-(

Mark Jordan PY3SS

On 09-Feb-14 20:38, Joe wrote:
> Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or
> so as a SWL. and i never had seen anything like this with a simple
> flat top dipole cut for like the bottom of 80 meters.
>
> The SWR on 40 and 160 should be pun intended "SKY HIGH!"
>
> Joe WB9SBD
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> On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>> I'd say lucky !!! MFJ are ok- If your works and you believe it. I
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>> ----- Original Message -----
>> *From:* Joe <mailto:nss@...>
>> *To:* ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> *Sent:* Sunday, February 09, 2014 10:10 AM
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>>
>> Helping out a new local here, He put up a 80 meter dipole, before
>> this terrible winter hit, and hasn't been able to trim it to
>> resonance on 80. It's slightly long.
>>
>> He told me he uses a LDG auto tuner so he can use it on all bands.
>>
>> He is feeding it with a 100 foot ready made piece of RG8X.
>>
>> I began to think and told him we should change that out to some
>> like 600 ohm open line. It would work much better for him. I was
>> gonna run what his losses are with that current set up. Because
>> of the losses of that small cable AND especially the added
>> losses because of the should be HIGH SWR.

>>
>> Ya know a 80 meter dipole on 40 meters should be really nasty true?
>>
>> I asked him to get SWR numbers for each band without the tuner.
>> He used a MFJ anilizer, and what numbers I was very surprised to
>> read, as follows..
>>
>> Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876> is
>> RG8Xmini. 100' as it came with factory PL59 ends already on it. I
>> bought it when I was down at AES a while back and needed a
>> ready-to-use coax run for temporary antenna arrangements and
>> never changed it out to another coax.
>>
>> I had the club analyzer for quite a while and hooked straight to
>> the coax line w/o the tuner in line. I found the most resonant
>> point on each band and here is what it is.....
>>
>> 10M: 2:1 @ 28.3MHz
>> 12M: 2.2:1 @ 24.93 MHz
>> 15M: 2.3:1 @ 21.275 MHz
>> 17M: 2.2:1 @ 18.11 MHz
>> 20M: 2.5:1 @ 14.225 MHz
>> 40M: 2.5:1 @ 7.175 MHz
>> 80M: 1.55:1 @ 3.8 MHz
>> 160M: 1.7:1@1.955MHz
>>
>> Part of my problem is that this is a home-brew wire dipole and I
>> left the legs long so that I could trim them back to tune them. I
>> was in a hurry to get this in the air before the snow flew last
>> fall and I never trimmed it back at all. Shows what you get when
>> you rush things I guess.
>>
>> Actually those numbers to me look incredible for no tuner in line.
>>
>> Or is the losses from that small cable hiding what is really
>> happening here? Or is that MFJ machine junk?
>>
>> Joe WB9SBD
>>
>>
>>
>> ---
>> <http://www.avast.com/>
>>
>> This email is free from viruses and malware because avast! Antivirus
>> <http://www.avast.com/> protection is active.
>>
>>
>

31294. Re: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 03:13:55 UTC
From: Dale Miller
Topic: 31279 Message: 31294

On 2/9/2014 9:26 AM, KB3YRC wrote:
>
>
> A week ago there was a post about an antenna 2 meter / 70 C meter.
>
> using 22- 1/8 " and 15- 5/8 " of ? " aluminum tubing
>
> Dose the material mater? Aluminum or steel conduit?
>
> <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
> <%3chttp:/www.n1gy.com/ocfd-dual-band-antenna-version-2.html%3e>
>
>

Nope, I used copper but I've seen people use EMT conduit also.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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31295. Re: [ham-antennas] OCFD

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 03:20:22 UTC
From: Dale Miller
Topic: 31279 Message: 31295

On 2/9/2014 11:20 AM, MIKE DURKIN wrote:
>
>
> It might change the resonance some .. and also keep in mind the
> dis-similar metals might need some attention to keep corrosion down ..
>
> If it performed as well as an Archer dual band J-pole ... i might try
> this out .. and stick it on top of my MFJ-1798 !!!
>
> Mike KC7NOA
>
> ---
>

Mike I'm using one right now. I built mine out of 1/2 inch copper and
with 3/4 inch PVC radome and my SWR using the dimension at N1GY's
website is less than 1.5:1 on 2 meters. I don't have a good meter for
440 so not sure of the SWR there but would gather it is also low. I have
it mounted at about 20 feet and the repeater I talk to regularly tells
me I come in full quieting and I'm almost 30 miles away in middle
Tennessee which is mountainous. I can also talk to repeaters in
Chattanooga which I can't with a 1/4 wave ground plane at the same height.
I think it is a really good performer.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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31296. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 04:44:34 UTC
From: ko1h
Topic: 31277 Message: 31296

SigWell If we are gona reminisse. I had a 10m Delta Loop. I matched with 1/4wave of Cable TV coax stub to a regular piece of RG8X about 25ft back to my upstairs shack. That antenna would present a reasonable SWR on 6m(the ssb portion) 10m 2:1 from about 283 to 28.5 and 12m 15m 20m and even 40m. Now it didnt get out well bellow 17m but showed a good swr. That aside I used a G5RV or Double Sized G5rv 204ft from many years before this qth and it worked great. BUT NOT without a tuner. Had one up in the California Desert it resonated on 1.820 1:1 but never got out worth a darn.
----- Original Message -----
From: enkitec@...
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 09, 2014 11:20 PM
Subject: Re: [ham-antennas] Multi-Band dipole.

It remembers me a 80m dipole I built some decades ago. Low SWR on every frequency I tested it. Amazing!
After some verification, it turns out the coaxial was completely oxidized... :-(

Mark Jordan PY3SS

On 09-Feb-14 20:38, Joe wrote:

Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or so as a SWL. and i never had seen anything like this with a simple flat top dipole cut for like the bottom of 80 meters.

The SWR on 40 and 160 should be pun intended "SKY HIGH!"

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 2/9/2014 4:35 PM, Gerald Bishop wrote:

I'd say lucky !!! MFJ are ok- If your works and you believe it. I like mine!! de Jerry W8KQ
----- Original Message -----
From: Joe
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 09, 2014 10:10 AM
Subject: [ham-antennas] Multi-Band dipole.

Helping out a new local here, He put up a 80 meter dipole, before this terrible winter hit, and hasn't been able to trim it to resonance on 80. It's slightly long.

He told me he uses a LDG auto tuner so he can use it on all bands.

He is feeding it with a 100 foot ready made piece of RG8X.

I began to think and told him we should change that out to some like 600 ohm open line. It would work much better for him. I was gonna run what his losses are with that current set up. Because of the losses of that small cable AND especially the added losses because of the should be HIGH SWR.

Ya know a 80 meter dipole on 40 meters should be really nasty true?

I asked him to get SWR numbers for each band without the tuner. He used a MFJ anilizer, and what numbers I was very surprised to read, as follows..

Coax is RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought it when I was down at AES a while back and needed a ready-to-use coax run for temporary antenna arrangements and never changed it out to another coax.

I had the club analyzer for quite a while and hooked straight to the coax line w/o the tuner in line. I found the most resonant point on each band and here is what it is.....

10M: 2:1 @ 28.3MHz
12M: 2.2:1 @ 24.93 MHz
15M: 2.3:1 @ 21.275 MHz
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20M: 2.5:1 @ 14.225 MHz
40M: 2.5:1 @ 7.175 MHz
80M: 1.55:1 @ 3.8 MHz
160M: 1.7:1@1.955MHz

Part of my problem is that this is a home-brew wire dipole and I left the legs long so that I could trim them back to tune them. I was in a hurry to get this in the air before the snow flew last fall and I never trimmed it back at all. Shows what you get when you rush things I guess.

Actually those numbers to me look incredible for no tuner in line.

Or is the losses from that small cable hiding what is really happening here? Or is that MFJ machine junk?

Joe WB9SBD

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[Non-text portions of this message have been removed]

31297. Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 13:09:56 UTC
From: Richard Schmuke
Topic: 31279 Message: 31297

When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 ☐ and 15- 5/8 ☐ of ¾ ☐ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>

Nope, I used copper but I've seen people use EMT conduit also.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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[Non-text portions of this message have been removed]

31298. Re: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 13:51:55 UTC
From: Joe
Topic: 31277 Message: 31298
Attachments: 2 described; binary payloads are missing from this source WARC

And that makes 100% sense to me too. Been there done that. But this is all brand new install. New Ham and all new wires. sooo very odd.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/9/2014 5:20 PM, enkitec@... wrote:
>
> It remembers me a 80m dipole I built some decades ago. Low SWR on
> every frequency I tested it. Amazing!
> After some verification, it turns out the coaxial was completely
> oxidized... :-(
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> Mark Jordan PY3SS
>
>
> On 09-Feb-14 20:38, Joe wrote:
>> Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or
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>> flat top dipole cut for like the bottom of 80 meters.
>>
>> The SWR on 40 and 160 should be pun intended "SKY HIGH!"
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>> Joe WB9SBD
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>> The Original Rolling Ball Clock
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>> Idle-Tyme.com
>> http://www.idle-tyme.com
>> On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>>> I'd say lucky !!! MFJ are ok- If your works and you believe it. I
>>> like mine!! de Jerry W8KQ
>>>
>>> ----- Original Message -----
>>> *From:* Joe <mailto:nss@...>
>>> *To:* ham-antennas@yahoogroups.com
>>> <mailto:ham-antennas@yahoogroups.com>
>>> *Sent:* Sunday, February 09, 2014 10:10 AM
>>> *Subject:* [ham-antennas] Multi-Band dipole.
>>>
>>> Helping out a new local here, He put up a 80 meter dipole,

>>> before this terrible winter hit, and hasn't been able to trim it
>>> to resonance on 80. It's slightly long.
>>>
>>> He told me he uses a LDG auto tuner so he can use it on all bands.
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>>> He is feeding it with a 100 foot ready made piece of RG8X.
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>>> I began to think and told him we should change that out to some
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>>> was gonna run what his losses are with that current set up.
>>> Because of the losses of that small cable AND especially the
>>> added losses because of the should be HIGH SWR.
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>>> Ya know a 80 meter dipole on 40 meters should be really nasty true?
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>>> I asked him to get SWR numbers for each band without the tuner.
>>> He used a MFJ anilizer, and what numbers I was very surprised
>>> to read, as follows..
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>>> I bought it when I was down at AES a while back and needed a
>>> ready-to-use coax run for temporary antenna arrangements and
>>> never changed it out to another coax.
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>>> I had the club analyzer for quite a while and hooked straight to
>>> the coax line w/o the tuner in line. I found the most resonant
>>> point on each band and here is what it is.....
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>>> 40M: 2.5:1 @ 7.175 MHz
>>> 80M: 1.55:1 @ 3.8 MHz
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>>> Part of my problem is that this is a home-brew wire dipole and I
>>> left the legs long so that I could trim them back to tune them.
>>> I was in a hurry to get this in the air before the snow flew
>>> last fall and I never trimmed it back at all. Shows what you get
>>> when you rush things I guess.
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>>> Actually those numbers to me look incredible for no tuner in line.
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>>> Or is the losses from that small cable hiding what is really
>>> happening here? Or is that MFJ machine junk?
>>>
>>> Joe WB9SBD

```
>>>
>>>
>>>
>>> ----------------------------------------------------------------------
>>> <http://www.avast.com/>
>>>
>>> This email is free from viruses and malware because avast! Antivirus
>>> <http://www.avast.com/> protection is active.
>>>
>>>
>>
>
```

31299. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:11:37 UTC
From: Geoff NW7GM
Topic: 31279 Message: 31299

I'm actually in the pricess of planning an EMT conduit vertical myself.

Would there be less electrical resistance by using aluminum tubing? You bet, but you just can't beat the price of conduit, especially if you're just experimenting as I am.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...> wrote:

>
>
> When copper hit its high a few years ago I made several J-poles out of
> conduit for some of our club members and they are still in use today. A
> couple strips of Lexan and a short piece of aluminum angle completed the
> assembly.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html
>
> Rich, kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Dale Miller
> Sent: Sunday, February 09, 2014 9:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] OCFD
>
> On 2/9/2014 9:26 AM, KB3YRC wrote:
>
> A week ago there was a post about an antenna 2 meter / 70 C meter.
>
> using 22- 1/8 " and 15- 5/8 " of 3/4 " aluminum tubing
>
> Dose the material mater? Aluminum or steel conduit?
>
> <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
>
> Nope, I used copper but I've seen people use EMT conduit also.
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)

> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
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> www.twintowersalliance.com
> --
>
> [Non-text portions of this message have been removed]
>
>
>

31300. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:24:38 UTC
From: Artek Manuals
Topic: 31279 Message: 31300

Initially you are only talking a few tenths of a db (if that) in additional losses with the EMT...the thing (not to forget) is that the EMT is more likely to have (noisy) joint conditions over the years than the aluminum..Periodic maintenance and /or bonding at the joints can pretty much avoid that.

Dave
NR1DX

On 2/10/2014 8:11 AM, Geoff NW7GM wrote:
>
> I'm actually in the pricess of planning an EMT conduit vertical myself.
>
> Would there be less electrical resistance by using aluminum tubing?
> You bet, but you just can't beat the price of conduit, especially if
> you're just experimenting as I am.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...
> <mailto:rdj@...>> wrote:
>
> When copper hit its high a few years ago I made several J-poles out of
> conduit for some of our club members and they are still in use
> today. A
> couple strips of Lexan and a short piece of aluminum angle
> completed the
> assembly.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html
>
> Rich, kd0zz
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>] On
> Behalf Of Dale Miller
> Sent: Sunday, February 09, 2014 9:14 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> Subject: Re: [ham-antennas] OCFD
>
> On 2/9/2014 9:26 AM, KB3YRC wrote:

>
> A week ago there was a post about an antenna 2 meter / 70 C meter.
>
> using 22- 1/8 " and 15- 5/8 " of ? " aluminum tubing
>
> Dose the material mater? Aluminum or steel conduit?
>
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> Nope, I used copper but I've seen people use EMT conduit also.
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> bdchimneysweepspam@... <mailto:bdchimneysweepspam@...>
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com <http://www.twintowersalliance.com>
> __
>
> [Non-text portions of this message have been removed]
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31301. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:28:13 UTC
From: KB3YRC
Topic: 31279 Message: 31301

I have a couple of J poles out of copper. This one☐s a giveaway.

The larger the diameter the better band width, ¾ EMT is cheaper.

I☐ll try it first

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Monday, February 10, 2014 9:12 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

I'm actually in the pricess of planning an EMT conduit vertical myself.

Would there be less electrical resistance by using aluminum tubing? You bet, but you just can't beat the price of conduit, especially if you're just experimenting as I am.

Geoff, NW7GM
Seattle, WA
CN87tr

On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@wildblue.net> wrote:

When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 ☐ and 15- 5/8 ☐ of ¾ ☐ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

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Nope, I used copper but I've seen people use EMT conduit also.

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stpatrick3spam@...
stpatrick2spam@...
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bdchimneysweepspam@gmail.com

(cut the spam to reply)

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[Non-text portions of this message have been removed]

This email is free from viruses and malware because avast! Antivirus protection is active.
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31302. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:32:06 UTC
From: KB3YRC
Topic: 31279 Message: 31302

I am going for 22- 1/8 and 15 -5/8 No joints

although that something to keep in mind if go over 10 FT.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artek Manuals
Sent: Monday, February 10, 2014 9:25 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

Initially you are only talking a few tenths of a db (if that) in additional losses with the EMT...the thing (not to forget) is that the EMT is more likely to have (noisy) joint conditions over the years than the aluminum..Periodic maintenance and /or bonding at the joints can pretty much avoid that.

Dave
NR1DX

On 2/10/2014 8:11 AM, Geoff NW7GM wrote:

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When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 □ and 15- 5/8 □ of ¾ □ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

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stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@gmail.com

(cut the spam to reply)

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--

[Non-text portions of this message have been removed]

--
Dave
Manuals@...
www.ArtekManuals.com

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus
<http://www.avast.com/> protection is active.

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31303. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:45:24 UTC
From: Joe
Topic: 31279 Message: 31303
Attachments: 1 described; binary payloads are missing from this source WARC

Steel here always gets a bad reputation. as being lossy etc.

it's much heavier, YES! But if it is soo bad a radiator, better tell
every AM broadcast station to take their antennas down because they wont
work because they are made of galvanized steel.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/10/2014 8:11 AM, Geoff NW7GM wrote:
>
>
> I'm actually in the pricess of planning an EMT conduit vertical myself.
>
> Would there be less electrical resistance by using aluminum tubing?
> You bet, but you just can't beat the price of conduit, especially if
> you're just experimenting as I am.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...
> <mailto:rdj@...>> wrote:
>
> When copper hit its high a few years ago I made several J-poles out of
> conduit for some of our club members and they are still in use
> today. A
> couple strips of Lexan and a short piece of aluminum angle
> completed the
> assembly.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html
>
> Rich, kd0zz
>
> From: ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>] On
> Behalf Of Dale Miller

> Sent: Sunday, February 09, 2014 9:14 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> Subject: Re: [ham-antennas] OCFD
>
> On 2/9/2014 9:26 AM, KB3YRC wrote:
>
> A week ago there was a post about an antenna 2 meter / 70 C meter.
>
> using 22- 1/8 " and 15- 5/8 " of ? " aluminum tubing
>
> Dose the material mater? Aluminum or steel conduit?
>
> <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
>
> Nope, I used copper but I've seen people use EMT conduit also.
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)
> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@... <mailto:stpatrick3spam@...>
> stpatrick2spam@... <mailto:stpatrick2spam@...>
> stpatrick3spam@... <mailto:stpatrick3spam@...>
> bdchimneysweepspam@... <mailto:bdchimneysweepspam@...>
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com <http://www.twintowersalliance.com>
> __
>
> [Non-text portions of this message have been removed]
>
>
>
>

31304. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 14:54:43 UTC
From: KB3YRC
Topic: 31279 Message: 31304

Well taken buy aluminum

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: Monday, February 10, 2014 9:45 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

Steel here always gets a bad reputation. as being lossy etc.

it's much heavier, YES! But if it is soo bad a radiator, better tell every AM broadcast station to take their antennas down because they wont work because they are made of galvanized steel.

Joe WB9SBD

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<http://www.idle-tyme.com> http://www.idle-tyme.com

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I'm actually in the pricess of planning an EMT conduit vertical myself.

Would there be less electrical resistance by using aluminum tubing? You bet, but you just can't beat the price of conduit, especially if you're just experimenting as I am.

Geoff, NW7GM
Seattle, WA
CN87tr

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When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 □ and 15- 5/8 □ of ¾ □ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>

Nope, I used copper but I've seen people use EMT conduit also.

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All the Best & 73's
Dale Miller, KC2CBD
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Ham Operator since 1997 (Extra)
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stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@gmail.com
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

[Non-text portions of this message have been removed]

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

[Non-text portions of this message have been removed]

31305. AW: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 17:08:29 UTC
From: siegfried jackstien
Topic: 31277 Message: 31305

Hello joe

I am guessing that the lossy coax is making what is going on on the antenna side

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Sonntag, 9. Februar 2014 22:39
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Multi-Band dipole.
>
> Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or so as
> a SWL. and i never had seen anything like this with a simple flat top
> dipole cut for like the bottom of 80 meters.
>
> The SWR on 40 and 160 should be pun intended "SKY HIGH!"
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>
>
> I'd say lucky !!! MFJ are ok- If your works and you believe it. I
> like mine!! de Jerry W8KQ
>
> ----- Original Message -----
> From: Joe <mailto:nss@...>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, February 09, 2014 10:10 AM
> Subject: [ham-antennas] Multi-Band dipole.
>
> Helping out a new local here, He put up a 80 meter dipole,
> before this terrible winter hit, and hasn't been able to trim it to
> resonance on 80. It's slightly long.
>

> He told me he uses a LDG auto tuner so he can use it on all
> bands.
>
> He is feeding it with a 100 foot ready made piece of RG8X.
>
> I began to think and told him we should change that out to
> some like 600 ohm open line. It would work much better for him. I was
> gonna run what his losses are with that current set up. Because of the
> losses of that small cable AND especially the added losses because of the
> should be HIGH SWR.
>
> Ya know a 80 meter dipole on 40 meters should be really
nasty
> true?
>
> I asked him to get SWR numbers for each band without the
> tuner. He used a MFJ anilizer, and what numbers I was very surprised to
> read, as follows..
>
>
> Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876> is
> RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought
> it when I was down at AES a while back and needed a ready-to-use coax run
> for temporary antenna arrangements and never changed it out to another
> coax.
>
> I had the club analyzer for quite a while and hooked
straight
> to the coax line w/o the tuner in line. I found the most resonant point on
> each band and here is what it is.....
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> 10M: 2:1 @ 28.3MHz
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> 40M: 2.5:1 @ 7.175 MHz
> 80M: 1.55:1 @ 3.8 MHz
> 160M: 1.7:1@1.955MHz
>
> Part of my problem is that this is a home-brew wire dipole
and
> I left the legs long so that I could trim them back to tune them. I was in
> a hurry to get this in the air before the snow flew last fall and I never
> trimmed it back at all. Shows what you get when you rush things I guess.
>
> Actually those numbers to me look incredible for no tuner in
> line.
>
> Or is the losses from that small cable hiding what is really

> happening here? Or is that MFJ machine junk?
>
> Joe WB9SBD
>
>
>
>
>
> _____
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
>
>

31306. Re: AW: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 17:35:43 UTC
From: Joe
Topic: 31277 Message: 31306
Attachments: 1 described; binary payloads are missing from this source WARC

I agree, but wow brand new RG8X? wow, pretty good dummy load!

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/10/2014 11:08 AM, siegfried jackstien wrote:
> Hello joe
>
> I am guessing that the lossy coax is making what is going on on the antenna
> side
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> Dg9bfc
>
> Sigi
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
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>> An: ham-antennas@yahoogroups.com
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>> Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or so as
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>> dipole cut for like the bottom of 80 meters.
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>> The SWR on 40 and 160 should be pun intended "SKY HIGH!"
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>> Joe WB9SBD
>>
>>
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>> Idle Tyme
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>> On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>>
>>
>> I'd say lucky !!! MFJ are ok- If your works and you believe it. I

>> like mine!! de Jerry W8KQ
>>
>> ----- Original Message -----
>> From: Joe <mailto:nss@...>
>> To: ham-antennas@yahoogroups.com
>> Sent: Sunday, February 09, 2014 10:10 AM
>> Subject: [ham-antennas] Multi-Band dipole.
>>
>> Helping out a new local here, He put up a 80 meter dipole,
>> before this terrible winter hit, and hasn't been able to trim it to
>> resonance on 80. It's slightly long.
>>
>> He told me he uses a LDG auto tuner so he can use it on all
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>> He is feeding it with a 100 foot ready made piece of RG8X.
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>> I began to think and told him we should change that out to
>> some like 600 ohm open line. It would work much better for him. I was
>> gonna run what his losses are with that current set up. Because of the
>> losses of that small cable AND especially the added losses because of the
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>> RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought
>> it when I was down at AES a while back and needed a ready-to-use coax run
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>> 20M: 2.5:1 @ 14.225 MHz
>> 40M: 2.5:1 @ 7.175 MHz
>> 80M: 1.55:1 @ 3.8 MHz

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>>
>> Part of my problem is that this is a home-brew wire dipole
> and
>> I left the legs long so that I could trim them back to tune them. I was in
>> a hurry to get this in the air before the snow flew last fall and I never
>> trimmed it back at all. Shows what you get when you rush things I guess.
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>> Joe WB9SBD
>>
>>
>>
>>
>>
>> _____
>>
>> <http://www.avast.com/> This email is free from viruses and malware
>> because avast! Antivirus <http://www.avast.com/> protection is active.
>>
>>
>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>
>
>

31307. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 17:39:25 UTC
From: Harold
Topic: 31279 Message: 31307
Attachments: 1 described; binary payloads are missing from this source WARC

I have a 34' 40M vertical I made out of EMT.
seems to work fine for me. and cheap.

and a 17' 20M vertical as well. Go for it.

Not much is said about emt, but for the cost and the fact it does work we can experiment around at low cost.

Hal AA2ID

-----Original Message-----
From: Joe <nss@mwt.net>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Feb 10, 2014 9:45 am
Subject: Re: [ham-antennas] Aluminum or steel conduit

Steel here always gets a bad reputation. as being lossy etc.

it's much heavier, YES! But if it is soo bad a radiator, better tell every AM broadcast station to take their antennas down because they wont work because they are made of galvanized steel.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

On 2/10/2014 8:11 AM, Geoff NW7GM wrote:

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Would there be less electrical resistance by using aluminum tubing? You bet, but you just can't beat the price of conduit, especially if you're just experimenting as I am.

Geoff, NW7GM
Seattle, WA
CN87tr

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When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

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using 22- 1/8 “ and 15- 5/8 ” of ¾ “ aluminum tubing

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All the Best & 73's
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Ham Operator since 1997 (Extra)
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stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

[Non-text portions of this message have been removed]

31308. Re: AW: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 17:44:23 UTC
From: Artek Manuals
Topic: 31277 Message: 31308

Or a bad connection on one leg, either at the antenna or the coax
connector itself, Just because it was "professionally" pre-assembled is
no guarantee it is good.

Dave
NR1DX

On 2/10/2014 11:08 AM, siegfried jackstien wrote:
>
> Hello joe
>
> I am guessing that the lossy coax is making what is going on on the
> antenna
> side
>
> Dg9bfc
>
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> > I'd say lucky !!! MFJ are ok- If your works and you believe it. I
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> >
> > ----- Original Message -----
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> > Sent: Sunday, February 09, 2014 10:10 AM
> > Subject: [ham-antennas] Multi-Band dipole.
> >
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> coax run
> > for temporary antenna arrangements and never changed it out to another
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> > <http://www.avast.com/> This email is free from viruses and malware
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> >
> >
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

31309. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 18:54:54 UTC
From: Richard Schmuke
Topic: 31279 Message: 31309

Hal , I agree with you 100%. Here are some pictures of my full size “portable” 40M antenna made with steel EMT used for field day.

http://s1102.photobucket.com/user/KD0ZZ/media/40M%20vertical/FeedPoint.jpg.html

I did receive some very negative replies when I first made it explaining that it was useless due to the poor conductivity of the galvanized steel. Our club had the last laugh because it worked fine. The green wires are of course the ground radials, the grey looking cable by the feline inspector are the guy wires used at the 20Ft mark where it changes from 1” EMT down to 3/4" EMT. The support structure and feed point are also shown.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Harold
Sent: Monday, February 10, 2014 11:39 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

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Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com

--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

31310. Re: AW: [ham-antennas] Multi-Band dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 18:57:15 UTC
From: <soona4sail@...>
Topic: 31277 Message: 31310

I have come across several, so called, professional antennas, that come complete with dipole, balun and feedwire, Several that I investigated, had baluns of such poor quality, that it is a wonder the finals on the Xcvr did not blow on the first mike keying. In some cases, the "baluns" were not even baluns at all, just pure garbage. One particular balun, bought on the internet, described as a 4 to 1 balun, came in a sealed PVC tube and was listed at a special price of just $50. it did not work for my friend. I sawed it open, and discovered what he had paid for, was a 5 inch galvanized screw nail, with about 8 wraps of cheap coax. Not even a good RF choke, never mind a 4 to 1 balun. Other baluns I have seen, are extremely light duty, using very thin guage, poor quality, enamelled copper wire, tiny toroids, and questionable windings, that was probably good for 10 watts....maybe, and not the 300 watts advertised....They all had one thing in common....you could NOT look inside.

On the other side, it is unfair to those manufacturers, who do attempt to produce a quality product, and become tarred by this same brush.

I never buy anything I cannot look inside, and I always check with Elmers, and friends, to learn their recommendations. A balun is a very usefull antenna tool, enabling the operator to transition from a balanced to unbalanced line, but like anything else, the quality can vary drastically. Don,t skimp on your balun,.....it is an important part of many antenna systems.

73 John

---In ham-antennas@yahoogroups.com, <nr1dx@...> wrote:

Or a bad connection on one leg, either at the antenna or the coax connector itself, Just because it was "professionally" pre-assembled is no guarantee it is good.

Dave
NR1DX

On 2/10/2014 11:08 AM, siegfried jackstien wrote:

Hello joe

I am guessing that the lossy coax is making what is going on on the antenna
side

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Sonntag, 9. Februar 2014 22:39
> An: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com

> Betreff: Re: [ham-antennas] Multi-Band dipole.
>
> Been in this since 1975 as a licenced Amateur, and sibce ohh 1965 or so as
> a SWL. and i never had seen anything like this with a simple flat top
> dipole cut for like the bottom of 80 meters.
>
> The SWR on 40 and 160 should be pun intended "SKY HIGH!"
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com http://www.idle-tyme.com
>
> On 2/9/2014 4:35 PM, Gerald Bishop wrote:
>
>
> I'd say lucky !!! MFJ are ok- If your works and you believe it. I
> like mine!! de Jerry W8KQ
>
> ----- Original Message -----
> From: Joe <mailto:nss@...> mailto:nss@...
> To: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com
> Sent: Sunday, February 09, 2014 10:10 AM
> Subject: [ham-antennas] Multi-Band dipole.
>
> Helping out a new local here, He put up a 80 meter dipole,
> before this terrible winter hit, and hasn't been able to trim it to
> resonance on 80. It's slightly long.
>
> He told me he uses a LDG auto tuner so he can use it on all
> bands.
>
> He is feeding it with a 100 foot ready made piece of RG8X.
>
> I began to think and told him we should change that out to
> some like 600 ohm open line. It would work much better for him. I was
> gonna run what his losses are with that current set up. Because of the
> losses of that small cable AND especially the added losses because of the
> should be HIGH SWR.
>
> Ya know a 80 meter dipole on 40 meters should be really
nasty
> true?
>
> I asked him to get SWR numbers for each band without the
> tuner. He used a MFJ anilizer, and what numbers I was very surprised to
> read, as follows..

>
>
> Coax <http://www.hamradio.com/detail.cfm?pid=H0-005876>
http://www.hamradio.com/detail.cfm?pid=H0-005876 is
> RG8Xmini. 100' as it came with factory PL59 ends already on it. I bought
> it when I was down at AES a while back and needed a ready-to-use coax run
> for temporary antenna arrangements and never changed it out to another
> coax.
>
> I had the club analyzer for quite a while and hooked
straight
> to the coax line w/o the tuner in line. I found the most resonant point on
> each band and here is what it is.....
>
> 10M: 2:1 @ 28.3MHz
> 12M: 2.2:1 @ 24.93 MHz
> 15M: 2.3:1 @ 21.275 MHz
> 17M: 2.2:1 @ 18.11 MHz
> 20M: 2.5:1 @ 14.225 MHz
> 40M: 2.5:1 @ 7.175 MHz
> 80M: 1.55:1 @ 3.8 MHz
> 160M: 1.7:1@1.955MHz mailto:1.7:1@1.955MHz
>
> Part of my problem is that this is a home-brew wire dipole
and
> I left the legs long so that I could trim them back to tune them. I was in
> a hurry to get this in the air before the snow flew last fall and I never
> trimmed it back at all. Shows what you get when you rush things I guess.
>
> Actually those numbers to me look incredible for no tuner in
> line.
>
> Or is the losses from that small cable hiding what is really
> happening here? Or is that MFJ machine junk?
>
> Joe WB9SBD
>
>
>
>
>
> _____
>
> <http://www.avast.com/> http://www.avast.com/ This email is free from viruses and
malware
> because avast! Antivirus <http://www.avast.com/> http://www.avast.com/ protection is
active.
>
>

--
Dave
Manuals@... mailto:Manuals@...
www.ArtekManuals.com http://www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus http://www.avast.com/
protection is active.

31311. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 19:02:54 UTC
From: Chuck Schultz
Topic: 31279 Message: 31311
Attachments: 1 described; binary payloads are missing from this source WARC

*Several years ago at the Texhoma Hamaroma I purchased a 10/15/20 meter vertical for the sum of two dollars . The mount was broken and the source unknown.**I mended the mount with J B Weld and attached it to a 4 X 4 sheet of 3/4" plywood and hooked it up . Did pretty good but a little too simple so I added some spiraling wires on the plywood . This occupied my time for a day or two and it was cast aside. A week or so later while fishing and telling tales I mentioned it to an inactive ham fishing partner who expressed an interest in getting back on the air. After cleaning a mess of fish , I loaded this vertical into the back of the pickup with 50ft of coax and loaned this to my fishing partner . In a year he had worked DXCC on this thing . When mowing he would just pull it from place to place by the coax. Years later he upgraded to a Double Throw Down $400 vertical and returned my $2 antenna. He soon became inactive again , even gave up fishing . I still play with that antenna from time to time . Chuck Wq5B *

> I have a 34' 40M vertical I made out of EMT.
> seems to work fine for me. and cheap.
> and a 17' 20M vertical as well. Go for it.
> Not much is said about emt, but for the cost and the fact it does work
> we can experiment around at low cost.
>
> Hal AA2ID
>
> -----Original Message-----
> From: Joe <nss@...>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Feb 10, 2014 9:45 am
> Subject: Re: [ham-antennas] Aluminum or steel conduit
>
> Steel here always gets a bad reputation. as being lossy etc.
>
> it's much heavier, YES! But if it is soo bad a radiator, better tell
> every AM broadcast station to take their antennas down because they
> wont work because they are made of galvanized steel.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 2/10/2014 8:11 AM, Geoff NW7GM wrote:
>> I'm actually in the pricess of planning an EMT conduit vertical myself.
>> Would there be less electrical resistance by using aluminum tubing?

>> You bet, but you just can't beat the price of conduit, especially if
>> you're just experimenting as I am.
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>> On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...
>> <mailto:rdj@...>> wrote:
>>
>> When copper hit its high a few years ago I made several J-poles
>> out of
>> conduit for some of our club members and they are still in use
>> today. A
>> couple strips of Lexan and a short piece of aluminum angle
>> completed the
>> assembly.
>>
>> http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html
>>
>> Rich, kd0zz
>>
>> From: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> [mailto:ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>] On
>> Behalf Of Dale Miller
>> Sent: Sunday, February 09, 2014 9:14 PM
>> To: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> Subject: Re: [ham-antennas] OCFD
>>
>> On 2/9/2014 9:26 AM, KB3YRC wrote:
>>
>> A week ago there was a post about an antenna 2 meter / 70 C meter.
>>
>> using 22- 1/8 “ and 15- 5/8 ” of ¾ “ aluminum tubing
>>
>> Dose the material mater? Aluminum or steel conduit?
>>
>> <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
>>
>> Nope, I used copper but I've seen people use EMT conduit also.
>>
>> --
>> All the Best & 73's
>> Dale Miller, KC2CBD
>> Tennessee
>> Ham Operator since 1997 (Extra)
>> Member of YahooPipesmokers and ASP since February 2005
>>
>> Registered Linux User: #317401

>> Linux since June 2003
>> Registered Ubuntu User #26423
>>
>> stpatrick3spam@... <mailto:stpatrick3spam@...>
>> stpatrick2spam@... <mailto:stpatrick2spam@...>
>> stpatrick3spam@... <mailto:stpatrick3spam@...>
>> bdchimneysweepspam@... <mailto:bdchimneysweepspam@...>
>>
>> (cut the spam to reply)
>>
>>
>> VOTE TO REBUILD!
>> www.twintowersalliance.com <http://www.twintowersalliance.com>
>> __
>>
>> [Non-text portions of this message have been removed]
>>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31312. Hello! I am new to this group!

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 19:08:54 UTC
From: <k7crr@...>
Topic: 31312 Message: 31312

I am now healing from 10 strokes. I can use any books on radio electronics. So let me know if anyone could loan me a few books. The most basic books are better. Please help get me back on track to pass my advanced class. Thanks for any help you can give!

31313. Re: [ham-antennas] Hello! I am new to this group!

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 19:11:34 UTC
From: Timothy-Allen Albertson
Topic: 31312 Message: 31313

I will look at what I have on line. There is a place called bookboon which you can google that has electronic text books. Also, try handihams.org. Pat Tice might be able to help you greatly.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Feb 10, 2014 at 1:08 PM, <k7crr@yahoo.com> wrote:

>
>
> I am now healing from 10 strokes. I can use any books on radio
> electronics. So let me know if anyone could loan me a few books. The most
> basic books are better. Please help get me back on track to pass my
> advanced class. Thanks for any help you can give!
>
>
>

31314. RE: [ham-antennas] Hello! I am new to this group!

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 19:17:41 UTC
From: KB3YRC
Topic: 31312 Message: 31314

ORZ .com has a testing service for free

Under Resources 2011 advanced that what helped me

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Timothy-Allen Albertson
Sent: Monday, February 10, 2014 2:12 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hello! I am new to this group!

I will look at what I have on line. There is a place called bookboon which you can google that has electronic text books. Also, try handihams.org. Pat Tice might be able to help you greatly.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Feb 10, 2014 at 1:08 PM, <k7crr@yahoo.com> wrote:

I am now healing from 10 strokes. I can use any books on radio electronics. So let me know if anyone could loan me a few books. The most basic books are better. Please help get me back on track to pass my advanced class. Thanks for any help you can give!

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31315. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 19:41:59 UTC
From: Todd F. Carney / K7TFC
Topic: 31279 Message: 31315

-----Original Message-----
From: Joe <nss@...>
To: ham-antennas <ham-antennas@yahoogroups.com>

> Steel here always gets a bad reputation. as being lossy etc. it's much
> heavier, YES! But if it is soo bad a radiator, better tell every AM
> broadcast station to take their antennas down because they wont work
> because they are made of galvanized steel.

Well, correct me if I'm wrong, but because of the skin effect I think the steel itself isn't conducting much if anything at all. Instead, it's the galvanizing on the steel that is the RF conductor. That would also be the case of galvanized steel conduit. Here's what Belden has to say on that. Note they indicate microns as the thickness of the "skin" above certain frequencies.

http://www.belden.com/blog/broadcastav/Understanding-Skin-Effect-and-Frequency.cfm

Here's a table of properties of various metals. Silver of course is the best of all possible conductors. Zinc is two steps away from aluminum and steel is **way** down the list.

http://www.tibtech.com/conductivity.php

I don't think velocity factor has been mentioned yet in this thread, and if there' plenty of length to prune then the best length will be found empirically. In fact, I don't imagine one could find a reliable figure on the velocity factor of conduit, so one would have to experiment anyway.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

On Mon, Feb 10, 2014 at 10:54 AM, Richard Schmuke <rdj@...> wrote:

>
>
> Hal , I agree with you 100%. Here are some pictures of my full size
> "portable" 40M antenna made with steel EMT used for field day.
>
>
> http://s1102.photobucket.com/user/KD0ZZ/media/40M%20vertical/FeedPoint.jpg.html
>
> I did receive some very negative replies when I first made it explaining

> that it was useless due to the poor conductivity of the galvanized steel.
> Our club had the last laugh because it worked fine. The green wires are of
> course the ground radials, the grey looking cable by the feline inspector
> are the guy wires used at the 20Ft mark where it changes from 1" EMT down
> to 3/4" EMT. The support structure and feed point are also shown.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of Harold
> Sent: Monday, February 10, 2014 11:39 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Aluminum or steel conduit
>
> I have a 34' 40M vertical I made out of EMT.
>
> seems to work fine for me. and cheap.
>
> and a 17' 20M vertical as well. Go for it.
>
> Not much is said about emt, but for the cost and the fact it does work we
> can experiment around at low cost.
>
> Hal AA2ID
>
>
> -----Original Message-----
> From: Joe <nss@...>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Feb 10, 2014 9:45 am
> Subject: Re: [ham-antennas] Aluminum or steel conduit
>
> Steel here always gets a bad reputation. as being lossy etc.
>
> it's much heavier, YES! But if it is soo bad a radiator, better tell every
> AM broadcast station to take their antennas down because they wont work
> because they are made of galvanized steel.
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> <http://www.idle-tyme.com> http://www.idle-tyme.com
>
> On 2/10/2014 8:11 AM, Geoff NW7GM wrote:
>
> I'm actually in the pricess of planning an EMT conduit vertical myself.
>
> Would there be less electrical resistance by using aluminum tubing? You

> bet, but you just can't beat the price of conduit, especially if you're
> just experimenting as I am.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...> wrote:
>
> When copper hit its high a few years ago I made several J-poles out of
> conduit for some of our club members and they are still in use today. A
> couple strips of Lexan and a short piece of aluminum angle completed the
> assembly.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html
>
> Rich, kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Dale Miller
> Sent: Sunday, February 09, 2014 9:14 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] OCFD
>
> On 2/9/2014 9:26 AM, KB3YRC wrote:
>
> A week ago there was a post about an antenna 2 meter / 70 C meter.
>
> using 22- 1/8 " and 15- 5/8 " of 3/4 " aluminum tubing
>
> Dose the material mater? Aluminum or steel conduit?
>
> <http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>
>
> Nope, I used copper but I've seen people use EMT conduit also.
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)
> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...

> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
> VOTE TO REBUILD!
> www.twintowersalliance.com
> __
>
> [Non-text portions of this message have been removed]
>
> [Non-text portions of this message have been removed]
>
>
>

31316. Re: [ham-antennas] Hello! I am new to this group!

Yahoo group: ham-antennas (2014)
Date: 2014-02-10 22:07:48 UTC
From: Will
Topic: 31312 Message: 31316

Another source is the internet achive.

archive.org

There is a copy of older ARRL handbook, loads of magazines, All free downloads in several formats

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Timothy-Allen Albertson
> Sent: 02/11/14 08:11 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Hello! I am new to this group!
>
> I will look at what I have on line. There is a place called bookboon which
> you can google that has electronic text books. Also, try handihams.org.
> Pat Tice might be able to help you greatly.
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
> On Mon, Feb 10, 2014 at 1:08 PM, <k7crr@...> wrote:
>
> >
> >
> > I am now healing from 10 strokes. I can use any books on radio
> > electronics. So let me know if anyone could loan me a few books. The most
> > basic books are better. Please help get me back on track to pass my
> > advanced class. Thanks for any help you can give!
> >
> >
> >

31317. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 02:08:36 UTC
From: Dale Miller
Topic: 31279 Message: 31317

On 2/10/2014 8:24 AM, Artek Manuals wrote:
>
>
> Initially you are only talking a few tenths of a db (if that) in
> additional losses with the EMT...the thing (not to forget) is that
> the EMT is more likely to have (noisy) joint conditions over the years
> than the aluminum..Periodic maintenance and /or bonding at the joints
> can pretty much avoid that.
>
> Dave
> NR1DX
>

I used copper form OCFD Vertical following N1GY's write up because I
wanted to solder the coax connection point so there wouldn't be a
problem in the future unless the coax broke. With aluminum tubing or EMT
conduit you would have to make a less than reliable mechanical
connection as Dave said.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

31318. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 05:00:45 UTC
From: Geoff NW7GM
Topic: 31279 Message: 31318

With my vertical I'm planning on having my SGC-239 tuner @ the base in a weatherproof box that has the coax connector on it and a wire from that to the vertical. I'm thinking that the wire attachment will be a 10-32 screw all the way through the EMT and a wingnut + a star washer above and below a ring terminal that's been soldered to the wire. The wire itself is going to be 10AWG (pulled from an old furnace).

As for the vertical element, I'm probably going to split the end of each outer sleeved piece and use two stainless hose clamps per joint. I'll decide later if I'm going to do a through-bolt at the joints too.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 10, 2014 6:08 PM, "Dale Miller" <stpatrick2@...> wrote:

>
>
> On 2/10/2014 8:24 AM, Artek Manuals wrote:
>
> Initially you are only talking a few tenths of a db (if that) in
> additional losses with the EMT...the thing (not to forget) is that the EMT
> is more likely to have (noisy) joint conditions over the years than the
> aluminum..Periodic maintenance and /or bonding at the joints can pretty
> much avoid that.
>
> Dave
> NR1DX
>
>
> I used copper form OCFD Vertical following N1GY's write up because I
> wanted to solder the coax connection point so there wouldn't be a problem
> in the future unless the coax broke. With aluminum tubing or EMT conduit
> you would have to make a less than reliable mechanical connection as Dave
> said.
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)
> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003

> Registered Ubuntu User #26423
> stpatrick3spam@...2spam@...3spam@...@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!www.twintowersalliance.com
> --
>
>
>

31319. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 13:36:13 UTC
From: Richard Schmuke
Topic: 31279 Message: 31319

Geoff, that is way I have my coax connected to my permanent 40M vertical at home with a 10/32 SS bolt. A 1" wooden dowel rod makes a good stiffing element between two length of 1" EMT. I have a small roll of silver plated wire I use for better conductivity, using conduit for support, I also have some of the silver plated wire for radials,.

http://i1102.photobucket.com/albums/g453/KD0ZZ/40M%20vertical/40MParts.jpg

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert004_zps6f68c326.jpg.html

For what it's worth K8JHR says my all band loop sounds better and is up one S unit then my vertical.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Monday, February 10, 2014 11:01 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

With my vertical I'm planning on having my SGC-239 tuner @ the base in a weatherproof box that has the coax connector on it and a wire from that to the vertical. I'm thinking that the wire attachment will be a 10-32 screw all the way through the EMT and a wingnut + a star washer above and below a ring terminal that's been soldered to the wire. The wire itself is going to be 10AWG (pulled from an old furnace).

As for the vertical element, I'm probably going to split the end of each outer sleeved piece and use two stainless hose clamps per joint. I'll decide later if I'm going to do a through-bolt at the joints too.

Geoff, NW7GM
Seattle, WA
CN87tr

On Feb 10, 2014 6:08 PM, "Dale Miller" <stpatrick2@...> wrote:

On 2/10/2014 8:24 AM, Artek Manuals wrote:

Initially you are only talking a few tenths of a db (if that) in additional losses with the EMT...the thing (not to forget) is that the EMT is more likely to have (noisy) joint conditions over the years than the aluminum..Periodic maintenance and /or bonding at the joints can pretty much avoid that.

Dave
NR1DX

I used copper form OCFD Vertical following N1GY's write up because I wanted to solder the coax connection point so there wouldn't be a problem in the future unless the coax broke. With aluminum tubing or EMT conduit you would have to make a less than reliable mechanical connection as Dave said.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

[Non-text portions of this message have been removed]

31320. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 14:21:15 UTC
From: Geoff NW7GM
Topic: 31279 Message: 31320

Thanks Richard. I may forego the dowel at this point but I may decide to put it in while I am in the construction phase.

" For what it's worth K8JHR says my all band loop sounds better and is up one S unit then my vertical."

How is that OM? Since he left the HRHG and I've all but stopped monitoring it, I haven't spoken with him. Next you speak to him, give him my best.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 11, 2014 5:36 AM, "Richard Schmuke" <rdj@...> wrote:

>
>
> Geoff, that is way I have my coax connected to my permanent 40M vertical at
> home with a 10/32 SS bolt. A 1" wooden dowel rod makes a good stiffing
> element between two length of 1" EMT. I have a small roll of silver plated
> wire I use for better conductivity, using conduit for support, I also have
> some of the silver plated wire for radials,.
>
> http://i1102.photobucket.com/albums/g453/KD0ZZ/40M%20vertical/40MParts.jpg
>
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert004_
> zps6f68c326.jpg.html
>
> For what it's worth K8JHR says my all band loop sounds better and is up one
> S unit then my vertical.
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Geoff NW7GM
> Sent: Monday, February 10, 2014 11:01 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Aluminum or steel conduit
>
> With my vertical I'm planning on having my SGC-239 tuner @ the base in a
> weatherproof box that has the coax connector on it and a wire from that to
> the vertical. I'm thinking that the wire attachment will be a 10-32 screw
> all the way through the EMT and a wingnut + a star washer above and below a
> ring terminal that's been soldered to the wire. The wire itself is going to
> be 10AWG (pulled from an old furnace).
>
> As for the vertical element, I'm probably going to split the end of each

> outer sleeved piece and use two stainless hose clamps per joint. I'll
> decide
> later if I'm going to do a through-bolt at the joints too.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Feb 10, 2014 6:08 PM, "Dale Miller" <stpatrick2@...> wrote:
>
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> Initially you are only talking a few tenths of a db (if that) in additional
> losses with the EMT...the thing (not to forget) is that the EMT is more
> likely to have (noisy) joint conditions over the years than the
> aluminum..Periodic maintenance and /or bonding at the joints can pretty
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> avoid that.
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> Dave
> NR1DX
>
> I used copper form OCFD Vertical following N1GY's write up because I wanted
> to solder the coax connection point so there wouldn't be a problem in the
> future unless the coax broke. With aluminum tubing or EMT conduit you would
> have to make a less than reliable mechanical connection as Dave said.
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Tennessee
> Ham Operator since 1997 (Extra)
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> Registered Linux User: #317401
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>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com
> __
>

> [Non-text portions of this message have been removed]
>
>
>

31321. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 14:37:22 UTC
From: Richard Schmuke
Topic: 31279 Message: 31321

K8JHR calls a net for the TS-590 group some times. He is still the same, good information from him on audio. The other night we had a S9+ QSO before the net and he like my 80M size loop on 40 better than my full size vertical, 45 min later at net time the signals were down in the mud??? I will give him you best.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Tuesday, February 11, 2014 8:21 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Aluminum or steel conduit

Thanks Richard. I may forego the dowel at this point but I may decide to put it in while I am in the construction phase.

" For what it's worth K8JHR says my all band loop sounds better and is up one S unit then my vertical."

How is that OM? Since he left the HRHG and I've all but stopped monitoring it, I haven't spoken with him. Next you speak to him, give him my best.

Geoff, NW7GM
Seattle, WA
CN87tr

31322. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 14:54:30 UTC
From: Artek Manuals
Topic: 31279 Message: 31322

On 2/11/2014 7:36 AM, Richard Schmuke wrote:
>
> Geoff, that is way I have my coax connected to my permanent 40M
> vertical at
> home with a 10/32 SS bolt. A 1" wooden dowel rod makes a good stiffing
> element between two length of 1" EMT. I have a small roll of silver plated
> wire I use for better conductivity, using conduit for support, I also have
> some of the silver plated wire for radials,.
>

Wonder how long that silver plating lasts out in the humid/ acid rain
environment? Since RF conduction is a function of "skin effect"
conductivity, I wonder has anyone done any comparative loss studies to
"bright shiny new" (copper, Silver, Aluminum etc) ...vs significantly
oxidized. Does your silver wire turn black after awhile?
>
> For what it's worth K8JHR says my all band loop sounds better and is
> up one
> S unit then my vertical.
>
Not surprising MO => MI is relatively short hop (500Mi) higher angle
path versus the vertical which is likely better for the 1500+ mile ,
lower angle stuff

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31323. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 15:15:41 UTC
From: Scott Myers
Topic: 31279 Message: 31323

Like many hams, I've homebrewed all kinds of antennas. Some were purpose built with materials specifically bought for the purpose and others were made with junk I had lying around. I too have used pipe and EMT... and some steel as well, some NOT galvanized.

Right or wrong, what I have surmised over all the various attempts is that the material is not as important as I would have thought. I think the saving grace of lengths of materials is surface area. A particular material may not have the best RF conductivity, but if it has enough surface area for the skin effect, the RF resistance is still low.

In general, I'll still go with aluminum tubing for the strength to weight ratio, especially if I'm building something quite long. But it comes at a MUCH higher cost.

So go for it with the EMT! If it works, don't fix it!

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Artek Manuals
Sent: Tuesday, February 11, 2014 9:55 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

On 2/11/2014 7:36 AM, Richard Schmuke wrote:

Geoff, that is way I have my coax connected to my permanent 40M vertical at home with a 10/32 SS bolt. A 1" wooden dowel rod makes a good stiffing element between two length of 1" EMT. I have a small roll of silver plated wire I use for better conductivity, using conduit for support, I also have some of the silver plated wire for radials,.

Wonder how long that silver plating lasts out in the humid/ acid rain environment? Since RF conduction is a function of "skin effect" conductivity, I wonder has anyone done any comparative loss studies to "bright shiny new" (copper, Silver, Aluminum etc) ...vs significantly oxidized. Does your silver wire turn black after awhile?

For what it's worth K8JHR says my all band loop sounds better and is up one S unit then my vertical.

Not surprising MO => MI is relatively short hop (500Mi) higher angle path versus the vertical which is likely better for the 1500+ mile , lower angle stuff

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus
<http://www.avast.com/> protection is active.

31324. Re: Hello! I am new to this group!

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 15:32:35 UTC
From: Frank Schnell
Topic: 31312 Message: 31324

Hi OM,

Sorry to hear of your health problems. The "ADVANCED" license is no longer offered as a new license. You will need the study guide to upgrade

to the "EXTRA" class license. Good luck on your recovery and upgrade.

73

Frank W5EFZ

31325. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 16:02:45 UTC
From: William Collister
Topic: 31279 Message: 31325

Been pondering this issue, and having been an electrician in a former life, I suggest something for these joint bonding problems. Maybe try some NO-OX or similar product at the slip joints? That would possibly extend the electrical contact life at the junctions. It would also make disassembly easier at a future time.

The other possibility, but I don't really think it as THE answer, is the use of conduit bonding straps on each joint. It would, however, add maintenance and probably not be the best solution.

Bill, N7MOG

Deadwood, SD

To: ham-antennas@yahoogroups.com
From: geoff.nw7gm@...
Date: Mon, 10 Feb 2014 21:00:45 -0800
Subject: Re: [ham-antennas] Aluminum or steel conduit

With my vertical I'm planning on having my SGC-239 tuner @ the base in a weatherproof box that has the coax connector on it and a wire from that to the vertical. I'm thinking that the wire attachment will be a 10-32 screw all the way through the EMT and a wingnut + a star washer above and below a ring terminal that's been soldered to the wire. The wire itself is going to be 10AWG (pulled from an old furnace).

As for the vertical element, I'm probably going to split the end of each outer sleeved piece and use two stainless hose clamps per joint. I'll decide later if I'm going to do a through-bolt at the joints too.

Geoff, NW7GM
Seattle, WA
CN87tr

On Feb 10, 2014 6:08 PM, "Dale Miller" <stpatrick2@twlakes.net> wrote:

On 2/10/2014 8:24 AM, Artek Manuals wrote:

Initially you are only talking a few tenths of a db (if that) in additional losses with the EMT...the thing (not to forget) is that the EMT is more likely to have (noisy) joint conditions over the years than the aluminum..Periodic maintenance and /or bonding at the joints can pretty much avoid that.

Dave
NR1DX

I used copper form OCFD Vertical following N1GY's write up because I wanted to solder the coax connection point so there wouldn't be a problem in the future unless the coax broke. With aluminum tubing or EMT conduit you would have to make a less than reliable mechanical connection as Dave said.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
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Registered Linux User: #317401
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stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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31326. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 17:50:38 UTC
From: Kenneth G. Gordon
Topic: 31279 Message: 31326

On 11 Feb 2014 at 8:54, Artek Manuals wrote:

> significantly oxidized. Does your silver wire turn black after awhile?

With silver, it really doesn't matter: black silver oxide is still just as conductive and shiny silver.

Ken W7EKB

31327. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 18:14:33 UTC
From: Artek Manuals
Topic: 31279 Message: 31327

On 2/11/2014 11:50 AM, Kenneth G. Gordon wrote:
>
> On 11 Feb 2014 at 8:54, Artek Manuals wrote:
>
> > significantly oxidized. Does your silver wire turn black after awhile?
>
> With silver, it really doesn't matter: black silver oxide is still
> just as conductive
> and shiny silver.
>
> Ken W7EKB
>
Ken

I'll take your word for that for the moment.. so does silver oxide
behave like aluminum oxide in that it basically becomes a semi
protective barrier or is it more like rust which continues to "sluff
off" over time?

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31328. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 21:13:51 UTC
From: Kenneth G. Gordon
Topic: 31279 Message: 31328

On 11 Feb 2014 at 12:14, Artek Manuals wrote:

> > With silver, it really doesn't matter: black silver oxide is still
> > just as conductive and shiny silver.
> >
> Ken
>
> I'll take your word for that for the moment.. so does silver oxide
> behave like aluminum oxide

No. Aluminum oxide is an insulator, in addition to being harder than the hubs of hell. It makes an excellent abrasive.

> in that it basically becomes a semi
> protective barrier or is it more like rust which continues to "sluff
> off" over time?

Well, I am certainly no expert on this, but I have never seen sliver oxide sluff off. It just gets blacker.

I know some metallurgists here and will immediately query my favorite one, Dr. Gene Bobeck, who has absolutely no connection to radio in any way, shape or form. He was the Chairman of the Metallurgy Department at the University of Idaho for a number of years, and was/is a researcher on it.

He will undoubtedly fill me in in excruciating detail. ;-)

Wait for it.

Ken W7EKB

31329. Re: [ham-antennas] Aluminum or steel conduit - oops..

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 21:20:37 UTC
From: Kenneth G. Gordon
Topic: 31279 Message: 31329

On 11 Feb 2014 at 9:50, Kenneth G. Gordon wrote:

> On 11 Feb 2014 at 8:54, Artek Manuals wrote:
>
> > significantly oxidized. Does your silver wire turn black after
> > awhile?
>
> With silver, it really doesn't matter: black silver oxide is still
> just as conductive and shiny silver.

Oops. Typo: I meant to say, "...as conductive AS shiny silver."

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31330. RE: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 21:32:14 UTC
From: Richard Schmuke
Topic: 31279 Message: 31330

I don't seem to have any problem with my silver plated wire. It is 18ga , flexible, 19 strands, with a thin , .005 per side insulation that holds up for a few years in the weather. I have made everything from 2.5 Kw Tesla coil, a caged vertical and different dipoles and radials with it. I still have some to use. I plan to quit building when I run out of wire.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert004_zps6f68c326.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, February 11, 2014 11:51 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

On 11 Feb 2014 at 8:54, Artek Manuals wrote:

> significantly oxidized. Does your silver wire turn black after awhile?

With silver, it really doesn't matter: black silver oxide is still just as conductive
and shiny silver.

Ken W7EKB

[Non-text portions of this message have been removed]

31331. Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 23:07:13 UTC
From: Billy McFarland
Topic: 31230 Message: 31331

Wondering if anyone has a good design ie sizes etc for a multiband OCF dipole looking to cover 40m - 10m at least.

Any suggestions?

73 de GM0OBX billy

31332. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 23:29:03 UTC
From: Mel Farrer
Topic: 31230 Message: 31332

Check out my files Billy. Several and data is there also.

Mel, K6KBE

On Tuesday, February 11, 2014 3:07 PM, Billy McFarland <gm0obx@...> wrote:

Wondering if anyone has a good design ie sizes etc for a multiband OCF dipole looking to cover 40m - 10m at least.

Any suggestions?

73 de GM0OBX billy

From: aa2nh@yahoo.com <aa2nh@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
Sent: Wed, Feb 5, 2014 1:03:05 PM

Making amateur radio fun!
https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/

31333. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 23:32:16 UTC
From: Billy McFarland
Topic: 31230 Message: 31333

Aw, I forgot all about the files. I will do thanks.

73 de GM0OBX billy

31334. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-11 23:39:02 UTC
From: james fisher
Topic: 31230 Message: 31334

I would encourage you to put up a dipole with each leg extended as far as you can make it.
Hook up nearest the middle as you can reasonably get [I know you indicated OCF].
Run 450 ohm ladder line a convenient length [ex:40 ft, 80 ft] , but stay away from resonant lengths.
Get an appropriate tuner, auto or manual, and you "might" be able to get on 160-10 meters.

Well, just a suggestion. Best in your project.
James

On Tuesday, February 11, 2014 4:08 PM, Billy McFarland <gm0obx@...> wrote:

Wondering if anyone has a good design ie sizes etc for a multiband OCF dipole looking to cover 40m - 10m at least.

Any suggestions?

73 de GM0OBX billy

From: aa2nh@... <aa2nh@yahoo.com>;
To: <ham-antennas@yahoogroups.com>;
Subject: [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
Sent: Wed, Feb 5, 2014 1:03:05 PM

Making amateur radio fun!
https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/

31335. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 00:23:54 UTC
From: george vagner
Topic: 31230 Message: 31335

On 2/11/2014 6:07 PM, Billy McFarland wrote:
>
> Wondering if anyone has a good design ie sizes etc for a multiband OCF
> dipole looking to cover 40m - 10m at least.
>
> Any suggestions?
>
> 73 de GM0OBX billy
>
>
> ---
> *From: * aa2nh@... <aa2nh@...>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
> *Sent: * Wed, Feb 5, 2014 1:03:05 PM
>
> Making amateur radio fun!
>
> https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/
>
>
yes, 1/3 / 2/3 works good with a 4:1 current balun. mine is for 160
thru 10 and is 180ft/90ft with a balundesigns.com 4114 balun but the old
MFJ seemed to work good too until it fell apart. some trimming may be
required to get it just where u want it. you can make it 90/45 for 80
or 45/23 for 40. the only band i have issues with is 30m where it
matches easily but not very efficient, 15 is not too efficient either
but works. I have sweeps of it if you would like to see them.

31336. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 05:11:39 UTC
From: Billy McFarland
Topic: 31230 Message: 31336

George

Maybe you could email me the sweeps

73 de GM0OBX billy

31337. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 13:14:25 UTC
From: james fisher
Topic: 31230 Message: 31337

I would like to see your sweeps please.
Link?
email attachment to me?
Thanks
James

On Tuesday, February 11, 2014 5:24 PM, george vagner <george@vagner.com> wrote:

On 2/11/2014 6:07 PM, Billy McFarland wrote:

>Wondering if anyone has a good design ie sizes etc for a multiband OCF dipole looking to cover 40m - 10m at least.
>
>Any suggestions?
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>73 de GM0OBX billy
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>
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>
>
>_____
> From: aa2nh@... mailto:aa2nh@...;
>To: mailto:ham-antennas@yahoogroups.com;
>Subject: [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
>Sent: Wed, Feb 5, 2014 1:03:05 PM
>
>
>
>Making amateur radio fun!
>https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/
>
yes, 1/3 / 2/3 works good with a 4:1 current balun. mine is for 160 thru 10 and is 180ft/90ft with a balundesigns.com 4114 balun but the old MFJ seemed to work good too until it fell apart. some trimming may be required to get it just where u want it. you can make it 90/45 for 80 or 45/23 for 40. the only band i have issues with is 30m where it matches easily but not very efficient, 15 is not too efficient either but works. I have sweeps of it if you would like to see them.

31338. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 14:01:18 UTC
From: george vagner
Topic: 31230 Message: 31338

here is the latest one.

https://www.facebook.com/photo.php?fbid=3968256301440&set=a.3697669696944.1073741833.1731438142&type=3&theater

On 2/12/2014 12:11 AM, Billy McFarland wrote:
>
> George
>
> Maybe you could email me the sweeps
>
> 73 de GM0OBX billy
>
>
> ---
> *From: * george vagner <george@...>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] Inverted v OCF dipole
> *Sent: * Wed, Feb 12, 2014 12:23:54 AM
>
> On 2/11/2014 6:07 PM, Billy McFarland wrote:
>>
>> Wondering if anyone has a good design ie sizes etc for a multiband
>> OCF dipole looking to cover 40m - 10m at least.
>>
>> Any suggestions?
>>
>> 73 de GM0OBX billy
>>
>>
>> ---
>> *From: * aa2nh@... <aa2nh@...>;
>> *To: * <ham-antennas@yahoogroups.com>;
>> *Subject: * [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
>> *Sent: * Wed, Feb 5, 2014 1:03:05 PM
>>
>> Making amateur radio fun!
>>
>>
https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/
>>
> yes, 1/3 / 2/3 works good with a 4:1 current balun. mine is for 160
> thru 10 and is 180ft/90ft with a balundesigns.com 4114 balun but the
> old MFJ seemed to work good too until it fell apart. some trimming
> may be required to get it just where u want it. you can make it 90/45

> for 80 or 45/23 for 40. the only band i have issues with is 30m where
> it matches easily but not very efficient, 15 is not too efficient
> either but works. I have sweeps of it if you would like to see them.
>
>
> Reply via web post
> <http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJyMjE0ZnJsBF9TAzk3MzU5NzE0BG
dycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTMzNgRzZWMDZnRyBHNsawNycGx5BHN0aW1l
AzEzOTIxODE5MDE-?act=reply&messageNum=31336>
> Reply to sender
> <mailto:gm0obx@...?subject=Re%3A%20%5Bham-antennas%5D%20Inverted%20v%20OCF%20dipole>
> Reply to group
> <mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20%5Bham-antennas%5D%20Inverted%20v%2
0OCF%20dipole>
> Start a New Topic
> <http://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJmY2ZjcTZnBF9TAzk3MzU5NzE0BG
dycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEzOTIxODE5MDE-
>
> Messages in this topic
> <http://groups.yahoo.com/group/ham-antennas/message/31230;_ylc=X3oDMTM3MnFzNXVzBF9TAzk3M
zU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTMzNgRzZWMDZnRyBHNsawN2dHB
jBHN0aW1lAzEzOTIxODE5MDEEdHBjSWQDMzEyMzA->
> (7)
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 3336 members (as of 02/16/13). and attachments are
> NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Visit Your Group
> <http://groups.yahoo.com/group/ham-antennas;_ylc=X3oDMTJmcnJhbnJtBF9TAzk3MzU5NzE0BGdycEl
kAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzOTIxODE5MDE->
>
>
> * New Members
> <http://groups.yahoo.com/group/ham-antennas/members;_ylc=X3oDMTJnZzJlYzY0BF9TAzk3MzU5NzE
0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxMzkyMTgxO
TAx?o=6>
> 10
>
> Yahoo! Groups
> <http://groups.yahoo.com/;_ylc=X3oDMTJlcGVpMnM3BF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyBGdyc
HNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM5MjE4MTkwMQ-->
>
> • Privacy <http://info.yahoo.com/privacy/us/yahoo/groups/details.html>
> • Unsubscribe

> <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> • Terms of Use <http://info.yahoo.com/legal/us/yahoo/utos/terms/>
> .
>
> __,here are the latest one_._,___

31339. Re: [ham-antennas] Inverted v OCF dipole

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 16:58:55 UTC
From: Billy McFarland
Topic: 31230 Message: 31339

the sweps look ok George

73 de GMØOBX Billy

On Wednesday, 12 February 2014, 14:01, george vagner <george@...> wrote:

here is the latest one.

https://www.facebook.com/photo.php?fbid=3968256301440&set=a.3697669696944.1073741833.1731438142&type=3&theater

On 2/12/2014 12:11 AM, Billy McFarland wrote:

>George
>
>Maybe you could email me the sweeps
>
>73 de GM0OBX billy
>
>
>
>
>
>_____
> From: george vagner <george@...>;
>To: <ham-antennas@yahoogroups.com>;
>Subject: Re: [ham-antennas] Inverted v OCF dipole
>Sent: Wed, Feb 12, 2014 12:23:54 AM
>
>
>
>On 2/11/2014 6:07 PM, Billy McFarland wrote:
>
>
>>Wondering if anyone has a good design ie sizes etc for a multiband OCF dipole looking to cover 40m - 10m at least.
>>
>>Any suggestions?
>>
>>73 de GM0OBX billy
>>
>>
>>
>>
>>
>>_____

>> From: aa2nh@... <aa2nh@...>;
>>To: <ham-antennas@yahoogroups.com>;
>>Subject: [ham-antennas] RaDAR (Rapid Amateur Radio Deployment)
>>Sent: Wed, Feb 5, 2014 1:03:05 PM
>>
>>
>>
>>Making amateur radio fun!
>>https://sparks31.wordpress.com/2014/01/22/on-the-air-hf-low-power-qrp-comms-established/
>>
yes, 1/3 / 2/3 works good with a 4:1 current balun. mine is for 160 thru 10 and is 180ft/90ft with a balundesigns.com 4114 balun but the old MFJ seemed to work good too until it fell apart. some trimming may be required to get it just where u want it. you can make it 90/45 for 80 or 45/23 for 40. the only band i have issues with is 30m where it matches easily but not very efficient, 15 is not too efficient either but works. I have sweeps of it if you would like to see them.
>
>

31340. Re: [ham-antennas] Aluminum or steel conduit

Yahoo group: ham-antennas (2014)
Date: 2014-02-12 23:41:10 UTC
From: Harold
Topic: 31279 Message: 31340

Rich,
that looks good.

thanks for sending the info.

Mine is mounted on a deck around an above ground pool.

So all my radials are up from 2' to 8' above ground, around the deck structure. Also have my 20M vert also on the deck with raised ground.
4 raised radials for each vertical.

don't have any pics. snow covers them now.

Hal AA2ID

-----Original Message-----
From: Richard Schmuke <rdj@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Feb 10, 2014 1:55 pm
Subject: RE: [ham-antennas] Aluminum or steel conduit

Hal , I agree with you 100%. Here are some pictures of my full size “portable” 40M antenna made with steel EMT used for field day.

http://s1102.photobucket.com/user/KD0ZZ/media/40M%20vertical/FeedPoint.jpg.html

I did receive some very negative replies when I first made it explaining that it was useless due to the poor conductivity of the galvanized steel. Our club had the last laugh because it worked fine. The green wires are of course the ground radials, the grey looking cable by the feline inspector are the guy wires used at the 20Ft mark where it changes from 1” EMT down to 3/4" EMT. The support structure and feed point are also shown.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Harold
Sent: Monday, February 10, 2014 11:39 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Aluminum or steel conduit

I have a 34' 40M vertical I made out of EMT.

seems to work fine for me. and cheap.

and a 17' 20M vertical as well. Go for it.

Not much is said about emt, but for the cost and the fact it does work we can experiment around at low cost.

Hal AA2ID

-----Original Message-----
From: Joe <nss@mwt.net>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Feb 10, 2014 9:45 am
Subject: Re: [ham-antennas] Aluminum or steel conduit

Steel here always gets a bad reputation. as being lossy etc.

it's much heavier, YES! But if it is soo bad a radiator, better tell every AM broadcast station to take their antennas down because they wont work because they are made of galvanized steel.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com>; http://www.idle-tyme.com

On 2/10/2014 8:11 AM, Geoff NW7GM wrote:

I'm actually in the pricess of planning an EMT conduit vertical myself.

Would there be less electrical resistance by using aluminum tubing? You bet, but you just can't beat the price of conduit, especially if you're just experimenting as I am.

Geoff, NW7GM
Seattle, WA
CN87tr

On Feb 10, 2014 5:10 AM, "Richard Schmuke" <rdj@...> wrote:

When copper hit its high a few years ago I made several J-poles out of conduit for some of our club members and they are still in use today. A couple strips of Lexan and a short piece of aluminum angle completed the assembly.

http://s1102.photobucket.com/user/KD0ZZ/media/JDwg.jpg.html

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale Miller
Sent: Sunday, February 09, 2014 9:14 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] OCFD

On 2/9/2014 9:26 AM, KB3YRC wrote:

A week ago there was a post about an antenna 2 meter / 70 C meter.

using 22- 1/8 “ and 15- 5/8 ” of ¾ “ aluminum tubing

Dose the material mater? Aluminum or steel conduit?

<http://www.n1gy.com/ocfd-dual-band-antenna-version-2.html>;

Nope, I used copper but I've seen people use EMT conduit also.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@twlakes.net
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

31341. RE: Small Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 03:55:08 UTC
From: <robert.chortek@...>
Topic: 31267 Message: 31341

There are reviews for this antenna on E-Ham (under "Condo-buster), which anyone interested in buying this "business" should read.

Bob/AA6VB

31342. Portable or mobile HF

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 09:59:17 UTC
From: Gmail
Topic: 31342 Message: 31342

Hi folks, I'll be going thru a major home remodel this year and will not be able to use the shack or even be in the home. Should I try out a portable antenna such as Jerry Sevick's verticals or go with a mobile mount on the SUV? Either case would be fine as I'd park and operate, not actually driving.

I'll use my TS-590S, mostly on 40, 20, 15M and mostly DX and NTS and other nets, running barefoot with the on-board AT on the 590 if needed.

Primary goal is ease of setup, operating mostly in Colorado 4-Corners, some in California Bay Area.

I've looked at Buddipole but an easy homebrew would be preferable.

Thanks for any help.

73s
Steve K0HAY

Communitas ergo Sumama
(iPhone therefore I yammer)

31343. RE: [ham-antennas] Portable or mobile HF

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 10:04:22 UTC
From: Billy McFarland
Topic: 31342 Message: 31343

Hi,

I'm in a similar situation. I use a mfj1979 with a homebrew raised mount. A m10 rod with a point grinded onto it. With a nylon plate at the top. With an 3/8 to so239 connector. Through the nylon. I use two elevated radials. The rod is only about 10 inches of the ground once pressed into the ground so have your threaded rod say 16 inches long. The two radials are 1/4 on 20m. You can adjust the antenna whip for each band or use your atu. I worked vr2 on 10w with this set up.

73 de GM0OBX billy

31344. Re: [ham-antennas] Portable or mobile HF

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 12:45:00 UTC
From: Chuck Schultz
Topic: 31342 Message: 31344

*I use an antenna called " Eagle One " on the back of my motor home and
I might suggest you look into it. Check it out on E-Ham for reports as
I did before I took a chance . I hmmmed and hawed for a year or more not
wanting to jump in the fire too quick . The kit is offered in several
mounting confs , I chose the RV ladder mount . It works as the claims
say it does, maybe better . It is easily installed on a tripod just
as the RV ladder . I found the tech support to be " A-OK " also
although all my questions came before my purchase
.....Google it up or look at E-Ham it may
work for you as it does for me . Chuck Wq5B*
On 2/13/2014 3:59 AM, Gmail wrote:
>
> Hi folks, I'll be going thru a major home remodel this year and will
> not be able to use the shack or even be in the home. Should I try out
> a portable antenna such as Jerry Sevick's verticals or go with a
> mobile mount on the SUV? Either case would be fine as I'd park and
> operate, not actually driving.
>
> I'll use my TS-590S, mostly on 40, 20, 15M and mostly DX and NTS and
> other nets, running barefoot with the on-board AT on the 590 if needed.
>
> Primary goal is ease of setup, operating mostly in Colorado 4-Corners,
> some in California Bay Area.
>
> I've looked at Buddipole but an easy homebrew would be preferable.
>
> Thanks for any help.
>
> 73s
> Steve K0HAY
>
> Communitas ergo Sumama
> (iPhone therefore I yammer)
>
>

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http://www.avast.com

31345. Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 14:08:16 UTC
From: W1JCW
Topic: 31267 Message: 31345

Wow what a real piece of junk and the guy posted the ad selling the business had all kind of praise such as you'll make your money

back in the first year, it's booming !!

Booming alright with complaints.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of robert.chortek@...
Sent: Wednesday, February 12, 2014 9:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Small Ham Radio Antenna Business For Sale

There are reviews for this antenna on E-Ham (under "Condo-buster), which anyone interested in buying this "business" should read.

Bob/AA6VB

31346. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 14:39:54 UTC
From: Chuck Schultz
Topic: 31267 Message: 31346

Everything is in perspective .....He has apparently sold a
good number of these antennas so from his side it is a good business
. I would consider selling franchises to a small business I started
several years ago . I had invested in some dry oil wells in west Texas
and had little to show for my money. I ran an ad offering Pre-Dug holes
. I was offering them in four foot lengths so that they could be
easily shipped by UPS. At the time they only charged by weight so the
shipping was next to nothing . Packageing was also very easy .
The primary use for the Pre-Dug holes was to be used for the
installation of my Inverted Vertical Antennas I was developing for folks
in HOA's and apartments. I got off in another direction with my
interest making a million elsewhere but the opportunity is still there
for a younger more energetic aspiring millionaire. Chuck Wq5B
On 2/13/2014 8:08 AM, W1JCW wrote:
>
> Wow what a real piece of junk and the guy posted the ad selling the
> business had all kind of praise such as you'll make your money
>
> back in the first year, it's booming !!
>
> Booming alright with complaints.
>
> 73-
>
> W1JCW
>
> John
>
> *From:*ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of
> *robert.chortek@...
> *Sent:* Wednesday, February 12, 2014 9:55 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] RE: Small Ham Radio Antenna Business For Sale
>
> There are reviews for this antenna on E-Ham (under "Condo-buster),
> which anyone interested in buying this "business" should read.
>
> Bob/AA6VB
>
>

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31347. Re: [ham-antennas] Portable or mobile HF

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 14:41:02 UTC
From: Geoff NW7GM
Topic: 31342 Message: 31347

I'm winding down from a similar situation (been down since September). I'm not sure about the details of your project (whether your going to be doing the work our hiring it out), buy it may be that you really won't have the time you thought you would to dedicate to ham radio. Even though w farmed out the majority of work, we found we still had plenty to do (constantly checking on things and making sure the contractors did what they were supposed to). I truly wanted to get on the radio but I just didn't have the time or energy at the end of the day. I'll be setting my station back up in a few weeks. Your situation may be different, I'm just relaying what you may be in store for.

A far as the antenna, check out the 'H-pole'. Very easy to construct and seems to work well. I haven't built this one yet, but if the other vertical I'm going to be constructing doesn't work well, this is the next choice for me with a cobweb being the choice after that.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 13, 2014 1:59 AM, "Gmail" <sdowler59@...> wrote:

>
>
> Hi folks, I'll be going thru a major home remodel this year and will not
> be able to use the shack or even be in the home. Should I try out a
> portable antenna such as Jerry Sevick's verticals or go with a mobile mount
> on the SUV? Either case would be fine as I'd park and operate, not actually
> driving.
>
> I'll use my TS-590S, mostly on 40, 20, 15M and mostly DX and NTS and other
> nets, running barefoot with the on-board AT on the 590 if needed.
>
> Primary goal is ease of setup, operating mostly in Colorado 4-Corners,
> some in California Bay Area.
>
> I've looked at Buddipole but an easy homebrew would be preferable.
>
> Thanks for any help.
>
> 73s
> Steve K0HAY
>
> Communitas ergo Sumama
> (iPhone therefore I yammer)
>
>

31348. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 15:34:38 UTC
From: Joe
Topic: 31267 Message: 31348
Attachments: 1 described; binary payloads are missing from this source WARC

Selling a LOT of antennas, does not make a good antenna.

How many here bough the "Gotham Vertical" That was advertised forever in
all the radio magazines from the 60's and 70's?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/13/2014 8:39 AM, Chuck Schultz wrote:
>
>
> Everything is in perspective .....He has apparently sold a
> good number of these antennas so from his side it is a good business
> . I would consider selling franchises to a small business I
> started several years ago . I had invested in some dry oil wells in
> west Texas and had little to show for my money. I ran an ad offering
> Pre-Dug holes . I was offering them in four foot lengths so that
> they could be easily shipped by UPS. At the time they only charged
> by weight so the shipping was next to nothing . Packageing was also
> very easy . The primary use for the Pre-Dug holes was to be used
> for the installation of my Inverted Vertical Antennas I was developing
> for folks in HOA's and apartments. I got off in another direction
> with my interest making a million elsewhere but the opportunity is
> still there for a younger more energetic aspiring millionaire.
> Chuck Wq5B
> On 2/13/2014 8:08 AM, W1JCW wrote:
>>
>> Wow what a real piece of junk and the guy posted the ad selling the
>> business had all kind of praise such as you'll make your money
>>
>> back in the first year, it's booming !!
>>
>> Booming alright with complaints.
>>
>> 73-
>>
>> W1JCW
>>
>> John
>>

>> *From:*ham-antennas@yahoogroups.com
>> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of
>> *robert.chortek@...
>> *Sent:* Wednesday, February 12, 2014 9:55 PM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* [ham-antennas] RE: Small Ham Radio Antenna Business For Sale
>>
>> There are reviews for this antenna on E-Ham (under "Condo-buster),
>> which anyone interested in buying this "business" should read.
>>
>> Bob/AA6VB
>>
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>
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> <http://www.avast.com/> protection is active.
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31349. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 15:58:18 UTC
From: Rick Poole WA1RKT
Topic: 31267 Message: 31349

ROF,L... Thanks, Chuck, I needed that... :-)

----- Original Message -----
From: "Chuck Schultz" <wq5b@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, February 13, 2014 9:39:54 AM
Subject: Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Everything is in perspective .....He has apparently sold a good number of these antennas so from his side it is a good business . I would consider selling franchises to a small business I started several years ago . I had invested in some dry oil wells in west Texas and had little to show for my money. I ran an ad offering Pre-Dug holes . I was offering them in four foot lengths so that they could be easily shipped by UPS. At the time they only charged by weight so the shipping was next to nothing . Packageing was also very easy . The primary use for the Pre-Dug holes was to be used for the installation of my Inverted Vertical Antennas I was developing for folks in HOA's and apartments. I got off in another direction with my interest making a million elsewhere but the opportunity is still there for a younger more energetic aspiring millionaire. Chuck Wq5B

31350. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 16:14:12 UTC
From: Chuck Schultz
Topic: 31267 Message: 31350
Attachments: 1 described; binary payloads are missing from this source WARC

No, but it might be considered " Good Business " by the depositor.
I am not interested in a business with or with out a good reputation.
I believe the one in question will require a very good sales person.
Chuck Wq5B
On 2/13/2014 9:34 AM, Joe wrote:
> Selling a LOT of antennas, does not make a good antenna.
>
> How many here bough the "Gotham Vertical" That was advertised forever
> in all the radio magazines from the 60's and 70's?
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> Joe WB9SBD
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> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 2/13/2014 8:39 AM, Chuck Schultz wrote:
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>>> Wow what a real piece of junk and the guy posted the ad selling the
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>>> back in the first year, it's booming !!
>>>
>>> Booming alright with complaints.
>>>
>>> 73-
>>>
>>> W1JCW

>>>
>>> John
>>>
>>> *From:*ham-antennas@yahoogroups.com
>>> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of
>>> *robert.chortek@...
>>> *Sent:* Wednesday, February 12, 2014 9:55 PM
>>> *To:* ham-antennas@yahoogroups.com
>>> *Subject:* [ham-antennas] RE: Small Ham Radio Antenna Business For Sale
>>>
>>> There are reviews for this antenna on E-Ham (under "Condo-buster),
>>> which anyone interested in buying this "business" should read.
>>>
>>> Bob/AA6VB
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>

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http://www.avast.com

31351. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 16:27:02 UTC
From: Chuck Schultz
Topic: 31267 Message: 31351

I actually offered the pre-dug holes 35 years ago on a two meter swap net in the Dallas area . I offered to send along the instructions for the Inverted Verticals with every order . I was a very new Ham and wanting to fit in plus have some laughs . I actually received a fair number of orders. I also had a Solar Simulator back in the Heat Wave of the late eighties. I was bragging of low elec bills with the use of my " Solar Simulator " . I would explain the 2 X 6 frame & black glass combined with bypassing the elec meter . I was contacted by a Professor & liberal wanting to assist me getting a Gov't Grant to research the thing . When told " I bypassed the meter " he cussed me out on the phone and hung up , then having more to say he picked up the mic and told everyone in two meter range what he thought . So much for my Solar Simulator business . I actually made a good living for years selling stuff that never belonged to me in the beginning. Chuck Wq5B EX Used Car Salesman

On 2/13/2014 9:58 AM, Rick Poole WA1RKT wrote:

>
>
> ROF,L... Thanks, Chuck, I needed that... :-)
>
> ----- Original Message -----
> From: "Chuck Schultz" <wq5b@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, February 13, 2014 9:39:54 AM
> Subject: Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna
> Business For Sale
>
> Everything is in perspective .....He has apparently sold a
> good number of these antennas so from his side it is a good business .
> I would consider selling franchises to a small business I started
> several years ago . I had invested in some dry oil wells in west Texas
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> a million elsewhere but the opportunity is still there for a younger
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>
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31352. RE: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 16:38:42 UTC
From: John Murphy
Topic: 31267 Message: 31352

Not to mention the time to market the product. I once owned a business when I lived up in North Dakota (servicing CB radio systems –and no I did not “modify” or “adjust” the radios-just fixed either the antenna systems, power cords or whatever else was wrong). This in response to all the truckers in the area due the big oil boom going on. I know it took a lot of time not only to market the business but managing things (the paperwork), so I really didn’t have a lot of time to play radio. So Chuck is correct, any business, even a single owner, home based business takes a lot of time. Just my $0.02 worth of advice.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Chuck Schultz
Sent: Thursday, February 13, 2014 9:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

No, but it might be considered " Good Business " by the depositor. I am not interested in a business with or with out a good reputation. I believe the one in question will require a very good sales person. Chuck Wq5B

On 2/13/2014 9:34 AM, Joe wrote:

Selling a LOT of antennas, does not make a good antenna.

How many here bough the "Gotham Vertical" That was advertised forever in all the radio magazines from the 60's and 70's?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com> http://www.idle-tyme.com

On 2/13/2014 8:39 AM, Chuck Schultz wrote:

Everything is in perspective .....He has apparently sold a good number of these antennas so from his side it is a good business . I would consider selling franchises to a small business I started several years ago . I had invested in some dry oil wells in west Texas and had little to show for my money. I ran an ad offering Pre-Dug holes . I was offering them in four foot lengths so that they could be easily shipped by UPS. At the time they only charged by weight so the shipping was next to nothing . Packageing was also very easy . The primary use for the Pre-Dug holes was to be used for the installation of my Inverted Vertical Antennas I was developing for folks in HOA's and apartments. I got off in another direction with my interest making a million elsewhere but the opportunity is still there for a younger more energetic aspiring millionaire. Chuck Wq5B

On 2/13/2014 8:08 AM, W1JCW wrote:

Wow what a real piece of junk and the guy posted the ad selling the business had all kind of praise such as you'll make your money

back in the first year, it's booming !!

Booming alright with complaints.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of robert.chortek@...
Sent: Wednesday, February 12, 2014 9:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Small Ham Radio Antenna Business For Sale

There are reviews for this antenna on E-Ham (under "Condo-buster), which anyone interested in buying this "business" should read.

Bob/AA6VB

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<http://www.avast.com/>

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[Non-text portions of this message have been removed]

31353. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 18:33:33 UTC
From: Gerald Bishop
Topic: 31267 Message: 31353

Hi- Kind of like the invisable dog they were selling on E-Bay ,near
Christmas one year. Only got to 30 buskd ,or so and i didn't see the
ennnd,but was fun !! What does a dog like that eat,Why, invisable food !!
73.jerry w8kq
----- Original Message -----
From: "Rick Poole WA1RKT" <wa1rkt@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, February 13, 2014 10:58 AM
Subject: Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business
For Sale

>
> ROF,L... Thanks, Chuck, I needed that... :-)
>
> ----- Original Message -----
> From: "Chuck Schultz" <wq5b@...>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, February 13, 2014 9:39:54 AM
> Subject: Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna
> Business For Sale
>
> Everything is in perspective .....He has apparently sold a good
> number of these antennas so from his side it is a good business . I would
> consider selling franchises to a small business I started several years
> ago . I had invested in some dry oil wells in west Texas and had little to
> show for my money. I ran an ad offering Pre-Dug holes . I was offering
> them in four foot lengths so that they could be easily shipped by UPS. At
> the time they only charged by weight so the shipping was next to nothing .
> Packageing was also very easy . The primary use for the Pre-Dug holes was
> to be used for the installation of my Inverted Vertical Antennas I was
> developing for folks in HOA's and apartments. I got off in another
> direction with my interest making a million elsewhere but the opportunity
> is still there for a younger more energetic aspiring millionaire. Chuck
> Wq5B
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

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http://www.avast.com

31354. RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-13 22:05:04 UTC
From: James M. Geidl
Topic: 31354 Message: 31354

I am looking at the idea of using a Jackkite pole with a wire up the middle for a vertical on my RV's ladder. This will put the top at about 30 feet and then add another 3-5 feet for the point of attachment on the bottom of the wire. For a counterpoise I am thinking about taking some 8 conductor flat cable, like rotator cable. and cut each segment down to resonance on the various bands. Everyone's thought are appreciated.

Jim, K6JMG

31355. Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-14 16:44:55 UTC
From: Walt Haynes
Topic: 31354 Message: 31355

I have a similar setup (31' Jackite pole attached to RV travel trailer frame, short coax run to KX3/KXPA100 with internal tuners inside trailer), and have tried the following antennas.
1. 31' wire with LDG 4:1 unun at bottom, grounded to trailer frame. Results: non-resonant, but usable with tuners.
2. 31' wire with EARCHI matchbox at bottom. Results: same as 1.
3. LNR 10/20/40 TF EFHW with matchbox at bottom, inverted L configuration. Results: SNR<1.2 on 3 bands, great contacts, but limited to 10w for digital.
Since I had such good results with the LNR EFHW, and also with the 5 band EFHW from Hy End Fed antennas (at home QTH), I plan to try the Hy End Fed 3 (40, 20, 10) band EFHW, which should fit the RV setup, have good performance, and work at higher powers. It looks to also be usable on 15m.
I can get any of the above set up in a few minutes, none require radials (fit in small campsites and quickly), and none require tuners at antenna base (again simplifying setup).

Walt KD6NJE

Sent from my iPad

31356. RE: [ham-antennas] Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-14 17:33:32 UTC
From: James M. Geidl
Topic: 31354 Message: 31356

Walt,

Thanks. That Hy End Fed antenna looks like a possibility. Might have to put a Jackite pole on the front and back to get enough length and just drape the antenna over the two of them.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt Haynes
Sent: Friday, February 14, 2014 8:45 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: RV Antenna for fiberglass RV

I have a similar setup (31' Jackite pole attached to RV travel trailer frame, short coax run to KX3/KXPA100 with internal tuners inside trailer), and have tried the following antennas.
1. 31' wire with LDG 4:1 unun at bottom, grounded to trailer frame. Results: non-resonant, but usable with tuners.
2. 31' wire with EARCHI matchbox at bottom. Results: same as 1.
3. LNR 10/20/40 TF EFHW with matchbox at bottom, inverted L configuration. Results: SNR<1.2 on 3 bands, great contacts, but limited to 10w for digital.
Since I had such good results with the LNR EFHW, and also with the 5 band EFHW from Hy End Fed antennas (at home QTH), I plan to try the Hy End Fed 3 (40, 20, 10) band EFHW, which should fit the RV setup, have good performance, and work at higher powers. It looks to also be usable on 15m.
I can get any of the above set up in a few minutes, none require radials (fit in small campsites and quickly), and none require tuners at antenna base (again simplifying setup).

Walt KD6NJE

Sent from my iPad

31357. My Side of the story - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-14 18:46:32 UTC
From: Bill
Topic: 31357 Message: 31357

Reading over the comments, I found it interesting that none of the "naysayers" had ever tried the antenna.

The most realistic comment came from the gentleman in South Dakota who said the promoting a business was more difficult than developing it (or something to that effect). He was totally correct. And that is exactly what I am selling, the Name and the In-Place (turn key) Marketing for the product. Anybody can knock-off the product...and people have tried. But the trick is to successfully and cost effectively market the product.

As for quality, I sell an average of 500 antennas per year. That is approximately 5,000 in the past 10 years. Each and every antenna was sold with an absolute, unconditional money back guarantee..."If you don't like it I don't want you to keep it". Over the years received maybe 12 antennas returned for a refund.

I love the comments from the guy who sold the pre-drilled holes.

73s,
Bill
KZ3DX

31358. Re: [ham-antennas] My Side of the story - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-14 21:58:19 UTC
From: Chuck Schultz
Topic: 31357 Message: 31358

*I really appreciate getting honorable mention at the close of your post . Perhaps I could interest you in a couple of pre-dug holes . My business has sort of dried up . Chuck Wq5B Actually I read up on your enterprise when it was first advertised on QTH.com . Several years ago I supplied a few friends with some 4:1 baluns I had fabricated in my Tinker Shop. They were very pleased with them and told a few friends . The friends of friends requested a balun or two themselves . I began to think I should market said pieces at the next Hamfest . The proto types had been built with odds and ends found around a Tinker Shop , the production units would require a purchasing agent to procure the proper supplies . This was only a matter of changing caps. Soon I was tinkering and singing with thoughts of new found riches as I produced a dozen 4:1 baluns . Understand , I didn't design these, heck I didn't do anything but copy the plans from the internet just as anyone could have. The big day came and I set up a table in a choice spot to to market said baluns . After factoring the costs incurred by my purchasing agent by a paltry 2 to 1 ratio , I priced my units and prepared to negotiate prices . No one in this area pays retail , especially Hams . Here came the masses . Not a buyer in the crowd, nothing to barter about . I could make one of these myself said most . Had it not been for my junk box I would have been bust. I do carry a box of components salvaged from trash cans at previous Hamfests. I sell these for 25 cents each or 3 for a Dollar. At least half of this business ops for the 3 for a Dollar savings . People are wonderful creatures and never forget it . I still build a new Ham a wire antenna from time to time and furnish a Tinker Shop 4 : 1 balun
Chuck Wq5B *
On 2/14/2014 12:46 PM, Bill wrote:
> Reading over the comments, I found it interesting that none of the
> "naysayers" had ever tried the antenna.
>
> The most realistic comment came from the gentleman in South Dakota who
> said the promoting a business was more difficult than developing it
> (or something to that effect). He was totally correct. And that is
> exactly what I am selling, the Name and the In-Place (turn key)
> Marketing for the product. Anybody can knock-off the product...and
> people have tried. But the trick is to successfully and cost
> effectively market the product.
>
> As for quality, I sell an average of 500 antennas per year. That is
> approximately 5,000 in the past 10 years. Each and every antenna was
> sold with an absolute, unconditional money back guarantee..."If you
> don't like it I don't want you to keep it". Over the years received
> maybe 12 antennas returned for a refund.

>
> I love the comments from the guy who sold the pre-drilled holes.
>
> 73s,
> Bill
> KZ3DX
>
>
>
>
>

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31359. RE: [ham-antennas] My Side of the story - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 15:47:07 UTC
From: John Murphy
Topic: 31357 Message: 31359

Bill, thank you for the mention at the top of your post. Only it was North (not South) Dakota. And I am now living in Colorado, where the business I owned would not have made it due to competition. But I have kept the idea in mind, and maybe, someday, might still own a business, but do not have the cash at the moment for investing. Both my wife and I are retired, with many medical problem, and a fixed income, otherwise, I would have jumped on your offer. Cheers and good luck.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio☐s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill
Sent: Friday, February 14, 2014 11:47 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] My Side of the story - Ham Radio Antenna Business For Sale

Reading over the comments, I found it interesting that none of the "naysayers" had ever tried the antenna.

The most realistic comment came from the gentleman in South Dakota who said the promoting a business was more difficult than developing it (or something to that effect). He was totally correct. And that is exactly what I am selling, the Name and the In-Place (turn key) Marketing for the product. Anybody can knock-off the product...and people have tried. But the trick is to successfully and cost effectively market the product.

As for quality, I sell an average of 500 antennas per year. That is approximately 5,000 in the past 10 years. Each and every antenna was sold with an absolute, unconditional money back guarantee..."If you don't like it I don't want you to keep it". Over the years received maybe 12 antennas returned for a refund.

I love the comments from the guy who sold the pre-drilled holes.

73s,

Bill

KZ3DX

31360. Re: My Side of the story - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 17:35:11 UTC
From: James
Topic: 31357 Message: 31360

Hi,

Perhaps the owner can try a listing in Eham.net,
he would cover a larger base of possible buyers
who can contact him off list and a class ad in QST
if he is a league member.

73 james ke4drn

31361. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 19:42:13 UTC
From: <jferrell13@...>
Topic: 31267 Message: 31361

RE: How many here bought the "Gotham Vertical" That was advertised forever
> in all the radio magazines from the 60's and 70's?
I still have mine. Actually, it was a great way to learn about verticals and matching with minimal outlay. One of you talented writers needs to do an article revisiting the Gotham vertical and what it takes to have success with the few parts involved. You do realize that "Gotham" spells "Got Ham" don't you?
John W8CCW

31362. Re: [ham-antennas] Small Piece of junk - Ham Radio Antenna Business For Sale

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 20:47:22 UTC
From: Joe
Topic: 31267 Message: 31362
Attachments: 2 described; binary payloads are missing from this source WARC

I do not know when you got yours.

But when I bought mine as a young freshman in High school and never
really bought much through the mail. It looked like a great deal.

A DX work the world antenna

For only 27 bucks! WOW

Boy did you get a surprise when a semi truck in from of your house
wanting 50 bucks for the "Railway Express" Shipping charges.

You pay it, peel the brown paper off and discover you just bought for 77
bucks a small coil, 4 conduit hangers, and a tube of aluminum, that you
could have gotten from a local supplier for 5 bucks.

Yeah great learning experience for sure.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/15/2014 1:42 PM, jferrell13@... wrote:
>
>
> RE: How many here bought the "Gotham Vertical" That was advertised
> forever
> > in all the radio magazines from the 60's and 70's?
>
> I still have mine. Actually, it was a great way to learn about
> verticals and matching with minimal outlay. One of you talented
> writers needs to do an article revisiting the Gotham vertical and
> what it takes to have success with the few parts involved. You do
> realize that "Gotham" spells "Got Ham" don't you?
>
> John W8CCW
>
>
>
>

31363. Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 22:21:31 UTC
From: Walt Haynes
Topic: 31354 Message: 31363

Jim,

Sounds good. I mounted the LNR 10/20/40 TF EFHW using a Jackite pole mounted to the frame just behind the front hitch, with the trailing wire held up with kite string attached to the top of the rear ladder. I expect to be able to mount the Hy End Fed antenna in the same manner.

Walt KD6NJE

<http://groups.yahoo.com/group/ham-antennas/message/31356;_ylc=X3oDMTJzOHZjNjlrBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTM1NgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxMzkyNDcwNTA2> Re: RV Antenna for fiberglass RV

Fri Feb 14, 2014 9:30 am (PST) . Posted by:

<mailto:jim.geidl@...?subject=Re%3A%20RV%20Antenna%20for%20fiberglass%20RV> "James M. Geidl" jgeidl@...

Walt,

Thanks. That Hy End Fed antenna looks like a possibility. Might have to put a Jackite pole on the front and back to get enough length and just drape the antenna over the two of them.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Walt Haynes
Sent: Friday, February 14, 2014 8:45 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: RV Antenna for fiberglass RV

I have a similar setup (31' Jackite pole attached to RV travel trailer frame, short coax run to KX3/KXPA100 with internal tuners inside trailer), and have tried the following antennas.
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I can get any of the above set up in a few minutes, none require radials (fit in small campsites and quickly), and none require tuners at antenna base (again simplifying setup).

Walt KD6NJE

Sent from my iPad

31364. Re: [ham-antennas] Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-15 22:34:44 UTC
From: James "Jim" M. Geidl
Topic: 31354 Message: 31364

"front trailer hitch" ??
Jim, K6JMG

On February 15, 2014 2:21:31 PM PST, Walt Haynes <whaynes4@...> wrote:
>Jim,
>
>Sounds good. I mounted the LNR 10/20/40 TF EFHW using a Jackite pole
>mounted
>to the frame just behind the front hitch, with the trailing wire held
>up
>with kite string attached to the top of the rear ladder. I expect to be
>able
>to mount the Hy End Fed antenna in the same manner.
>
>Walt KD6NJE
>
>
>
>
>
>
><http://groups.yahoo.com/group/ham-antennas/message/31356;_ylc=X3oDMTJzOHZjN
>jlrBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzM
>TM1NgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxMzkyNDcwNTA2> Re: RV Antenna for
>fiberglass RV
>
>
>Fri Feb 14, 2014 9:30 am (PST) . Posted by:
>
>
>
><mailto:jim.geidl@...?subject=Re%3A%20RV%20Antenna%20for%20fibergl
>ass%20RV> "James M. Geidl" jgeidl@...
>
>
>Walt,
>
>Thanks. That Hy End Fed antenna looks like a possibility. Might have to
>put a Jackite pole on the front and back to get enough length and just
>drape
>the antenna over the two of them.
>
>James "Jim" M. Geidl, K6JMG
>D.B. Cooper, you have a message.
>

>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On
>Behalf Of Walt Haynes
>Sent: Friday, February 14, 2014 8:45 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Re: RV Antenna for fiberglass RV
>
>I have a similar setup (31' Jackite pole attached to RV travel trailer
>frame, short coax run to KX3/KXPA100 with internal tuners inside
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>1. 31' wire with LDG 4:1 unun at bottom, grounded to trailer frame.
>Results:
>non-resonant, but usable with tuners.
>2. 31' wire with EARCHI matchbox at bottom. Results: same as 1.
>3. LNR 10/20/40 TF EFHW with matchbox at bottom, inverted L
>configuration.
>Results: SNR<1.2 on 3 bands, great contacts, but limited to 10w for
>digital.
>Since I had such good results with the LNR EFHW, and also with the 5
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>EFHW from Hy End Fed antennas (at home QTH), I plan to try the Hy End
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>(40, 20, 10) band EFHW, which should fit the RV setup, have good
>performance, and work at higher powers. It looks to also be usable on
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>I can get any of the above set up in a few minutes, none require
>radials
>(fit in small campsites and quickly), and none require tuners at
>antenna
>base (again simplifying setup).
>
>Walt KD6NJE
>
>Sent from my iPad
>
>

--
Jim, K6JMG

31365. coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 18:29:24 UTC
From: <rob@...>
Topic: 31365 Message: 31365

I'm going to build a portable 4 element 2m Yagi using 5mm or 6mm O.D. aluminum rod and a PVC boom. I'm planning for a hairpin match and a 1/2 wavelength RG-8 balun (shield tied to feedline shield, center conductors tied to the feed points). Does the balun need to be kept away from or out of the plane of the elements, or can it be run down the mast or along the boom? I know that choke baluns are often used for these, but apparently result in a lot of loss.

73 de Rob K6RGI

31366. RE: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 18:31:34 UTC
From: Billy McFarland
Topic: 31365 Message: 31366

Rob,

I wouldn't bother about a balun unless it really needed it. The loss from the balun is high on 2m

73 de GM0OBX billy

31367. RE: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 19:12:22 UTC
From: KB3YRC
Topic: 31365 Message: 31367

I feed it straight

I use RG-58 or An RG 223 thin stuff easy to handle

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy McFarland
Sent: Sunday, February 16, 2014 1:32 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] coax balun orientation for 2m Yagi?

Rob,

I wouldn't bother about a balun unless it really needed it. The loss from the balun is high on 2m

73 de GM0OBX billy

From: rob@... <rob@aqmconsulting.com>;
To: <ham-antennas@yahoogroups.com>;
Subject: [ham-antennas] coax balun orientation for 2m Yagi?
Sent: Sun, Feb 16, 2014 6:29:24 PM

I'm going to build a portable 4 element 2m Yagi using 5mm or 6mm O.D. aluminum rod and a PVC boom. I'm planning for a hairpin match and a 1/2 wavelength RG-8 balun (shield tied to feedline shield, center conductors tied to the feed points). Does the balun need to be kept away from or out of the plane of the elements, or can it be run down the mast or along the boom? I know that choke baluns are often used for these, but apparently result in a lot of loss.

73 de Rob K6RGI

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31368. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 19:30:48 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31365 Message: 31368

A friend here in town just did a 4 element quad for 2 meters, and it performs exceptionally well. Center tube is PVC pipe (1"?) and the spreaders are made of fiberglass driveway markers with a hole drilled for the wire.

His quad is rather directional, as expected. He's feeding it from the side (direct solder to the coax) -- with 6 turns of "ugly balun" just below the antenna on the pvd pipe that it is mounted on. It can be broken down and put in the back of an SUV in a matter of minutes, then be back up on a pvc pole just as quickly. He wants it up at 40 feet to talk to friends in South Carolina. (He's north of Raleigh) ... Even at about 15 feet, he can raise a number of repeaters outside the state. Lots of gain, easy to make, and great performance.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "rob@..." <rob@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 16, 2014 1:29 PM
Subject: [ham-antennas] coax balun orientation for 2m Yagi?

I'm going to build a portable 4 element 2m Yagi using 5mm or 6mm O.D. aluminum rod and a PVC boom. I'm planning for a hairpin match and a 1/2 wavelength RG-8 balun (shield tied to feedline shield, center conductors tied to the feed points). Does the balun need to be kept away from or out of the plane of the elements, or can it be run down the mast or along the boom? I know that choke baluns are often used for these, but apparently result in a lot of loss.

73 de Rob K6RGI

31369. RE: [ham-antennas] Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 19:43:20 UTC
From: William Collister
Topic: 31354 Message: 31369

You bet! Many people move boats/small trailers around this way or have a removable winch mount to use this for. The are handy!
Bill Collister N7MOG

To: ham-antennas@yahoogroups.com
From: jim.geidl@...
Date: Sat, 15 Feb 2014 14:34:44 -0800
Subject: Re: [ham-antennas] Re: RV Antenna for fiberglass RV

"front trailer hitch" ??

Jim, K6JMG

On February 15, 2014 2:21:31 PM PST, Walt Haynes <whaynes4@...> wrote:

Jim,

Sounds good. I mounted the LNR 10/20/40 TF EFHW using a Jackite pole mounted to the frame just behind the front hitch, with the trailing wire held up with kite string attached to the top of the rear ladder. I expect to be able to mount the Hy End Fed antenna in the same manner.

Walt KD6NJE

Re: RV Antenna for fiberglass RV
Fri Feb 14, 2014 9:30 am (PST) . Posted by:
"James M. Geidl" jgeidl@...
Walt,

Thanks. That Hy End Fed antenna looks like a possibility. Might have to
put a Jackite pole on the front and back to get enough length and just drape
the antenna over the two of them.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of Walt Haynes
Sent: Friday, February 14, 2014 8:45 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: RV Antenna for fiberglass RV

I have a similar setup (31' Jackite pole attached to RV travel trailer
frame, short coax run to KX3/KXPA100 with internal tuners inside trailer),
and have tried the following antennas.
1. 31' wire with LDG 4:1 unun at bottom, grounded to trailer frame. Results:
non-resonant, but usable with tuners.

2. 31' wire with EARCHI matchbox at bottom. Results: same as 1.
3. LNR 10/20/40 TF EFHW with matchbox at bottom, inverted L configuration. Results: SNR<1.2 on 3 bands, great contacts, but limited to 10w for digital.
Since I had such good results with
the LNR EFHW, and also with the 5 band
EFHW from Hy End Fed antennas (at home QTH), I plan to try the Hy End Fed 3 (40, 20, 10) band EFHW, which should fit the RV setup, have good performance, and work at higher powers. It looks to also be usable on 15m.
I can get any of the above set up in a few minutes, none require radials (fit in small campsites and quickly), and none require tuners at antenna base (again simplifying setup).

Walt KD6NJE

Sent from my iPad

--

Jim, K6JMG

31370. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 20:13:21 UTC
From: James Murphy
Topic: 31365 Message: 31370

Bill,
Do you by chance have photos or plans for your friend's antenna. Would like to see how it is put together and maybe attempt building one myself.
Thanks
James W. Murphy
KJ6FXA

From: Bill Blomgren (kk4qdz) <billblomgren@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Sunday, February 16, 2014 11:30 AM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

A friend here in town just did a 4 element quad for 2 meters, and it performs exceptionally well. Center tube is PVC pipe (1"?) and the spreaders are made of fiberglass driveway markers with a hole drilled for the wire.

His quad is rather directional, as expected. He's feeding it from the side (direct solder to the coax) -- with 6 turns of "ugly balun" just below the antenna on the pvd pipe that it is mounted on. It can be broken down and put in the back of an SUV in a matter of minutes, then be back up on a pvc pole just as quickly. He wants it up at 40 feet to talk to friends in South Carolina. (He's north of Raleigh) ... Even at about 15 feet, he can raise a number of repeaters outside the state. Lots of gain, easy to make, and great performance.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "rob@..." <rob@aqmconsulting.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 16, 2014 1:29 PM
Subject: [ham-antennas] coax balun orientation for 2m Yagi?

I'm going to build a portable 4 element 2m Yagi using 5mm or 6mm O.D. aluminum rod and a PVC boom. I'm planning for a hairpin match and a 1/2 wavelength RG-8 balun (shield tied to feedline shield, center conductors tied to the feed points). Does the balun need to be kept away from or out of the plane of the elements, or can it be run down the mast or along the boom? I know that choke baluns are often used for these, but apparently result in a lot of loss.

73 de Rob K6RGI

31371. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 21:38:47 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31365 Message: 31371

He got the design from a "how to" on You Tube.. I can easily get some pictures of it. (basically there are some small holes drives for the fiberglass at the locations for the various loops.. The length of the driven element is resonant somewhere around 146 (since he wants to hit repeaters.) - it is one of the diamond flavored loops, with the peak at the top, and driven from the side. Has a 1.3 or so at the bottom, up to about 1.6 at the top of the band. The reflector is about 5% larger...and the directors about 5% smaller. Mike indicated it was a *very* easy build. (Total costs were a couple of bucks for the PVC pipe (about 4' long) -- a PVC "T" which was glued to the support rod. The rest of the pipe got cut and force fit into the T for the boom. The loops are 14 gauge wire that goe from hole to hole.. and in the case of the directors and reflector are soldered to themselves. The driven element terminates both directions at the fiberglass
spreader, with the coax shield going to one side, and the center going to the other. The ugly balun was RG8x if (I remember correctly) wrapped around a 2" dowel (again, if I remember correctly). The wire was tied together, and dowel removed. The only connector added was where it plugs into his switch for the radio. It is VERY light, and can be turned by a TV antenna rotor with no problems.

Look at You Tube for the four element cubical quad construction video. You can see the s meter move when you make a 10-15 degree turn.

He has an antenna analyzer which helped with getting the length of the driven element dead on.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: James Murphy <bartenderjim2002@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Sunday, February 16, 2014 3:13 PM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

Bill,
Do you by chance have photos or plans for your friend's antenna. Would like to see how it is put together and maybe attempt building one myself.
Thanks
James W. Murphy
KJ6FXA

From: Bill Blomgren (kk4qdz) <billblomgren@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Sunday, February 16, 2014 11:30 AM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

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73 de Rob K6RGI

31372. Re: [ham-antennas] Re: RV Antenna for fiberglass RV

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 22:24:03 UTC
From: Mel Farrer
Topic: 31354 Message: 31372

Yes, and I use the front mount for my hydraulic winch. With it mounted on the trailer tube, I can move the winch from the front to the back!!!!!! Great for raising and lowering tilt over towers using a ground mounted gin pole.....

Mel, K6KBE

On Sunday, February 16, 2014 11:43 AM, William Collister <n7mog@...> wrote:

You bet! Many people move boats/small trailers around this way or have a removable winch mount to use this for. The are handy!
Bill Collister N7MOG

To: ham-antennas@yahoogroups.com
From: jim.geidl@...
Date: Sat, 15 Feb 2014 14:34:44 -0800
Subject: Re: [ham-antennas] Re: RV Antenna for fiberglass RV

"front trailer hitch" ??
Jim, K6JMG

On February 15, 2014 2:21:31 PM PST, Walt Haynes <whaynes4@...> wrote:
Jim,
>
>
>
>Sounds good. I mounted the LNR 10/20/40 TF EFHW using a Jackite pole mounted to the frame just behind the front hitch, with the trailing wire held up with kite string attached to the top of the rear ladder. I expect to be able to mount the Hy End Fed antenna in the same manner.
>
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>Walt KD6NJE
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>Re: RV Antenna for fiberglass RV
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>Behalf Of Walt Haynes
>Sent: Friday, February 14, 2014 8:45 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Re: RV Antenna for fiberglass RV
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>I have a similar setup (31' Jackite pole attached to RV travel trailer
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>and have tried the following antennas.
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>non-resonant, but usable with tuners.
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>Results: SNR<1.2 on 3 bands, great contacts, but limited to 10w for digital.
>Since I had such good results with
the LNR EFHW, and also with the 5 band
>EFHW from Hy End Fed antennas (at home QTH), I plan to try the Hy End Fed 3
>(40, 20, 10) band EFHW, which should fit the RV setup, have good
>performance, and work at higher powers. It looks to also be usable on 15m.
>I can get any of the above set up in a few minutes, none require radials
>(fit in small campsites and quickly), and none require tuners at antenna
>base (again simplifying setup).
>
>Walt KD6NJE
>
>Sent from my iPad
>
>
>
>
>
--
Jim, K6JMG

31373. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 22:36:01 UTC
From: <bartenderjim2002@...>
Topic: 31365 Message: 31373

Thanks Bill will go to you tube and give it a look. Sounds interesting.
JamesM.
KJ6FXA

31374. RE: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-16 23:22:13 UTC
From: <rob@...>
Topic: 31365 Message: 31374

Thanks for the input guys. I got the idea from the section on voltage baluns a bit over 1/2 way down the page at http://vk5ajl.com/projects/baluns.php http://vk5ajl.com/projects/baluns.php. It looks like he's got it on the boom of a folded dipole Yagi, but can't quite tell. I don't understand why it might be lossy, as it's basically feeding the two halves of the driven element with 180 degree out of phase RF, eliminating the balanced antenna/unbalance feed issue. Since I'd be using this almost exclusively with HTs when trying to reach terrain-challenged repeaters, I'm going to want to get as much power forward as possible. I've optimized the design for forward gain and SWR for that reason. Am I missing something? Seems like getting getting common mode RFI or introducing loss with an ugly balun wouldn't be good.

73, Rob

31375. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 00:09:42 UTC
From: Dale Miller
Topic: 31365 Message: 31375

On 2/16/2014 5:22 PM, rob@... wrote:
>
>
> Thanks for the input guys. I got the idea from the section on voltage
> baluns a bit over 1/2 way down the page at
> http://vk5ajl.com/projects/baluns.php. It looks like he's got it on
> the boom of a folded dipole Yagi, but can't quite tell. I don't
> understand why it might be lossy, as it's basically feeding the two
> halves of the driven element with 180 degree out of phase RF,
> eliminating the balanced antenna/unbalance feed issue. Since I'd be
> using this almost exclusively with HTs when trying to reach
> terrain-challenged repeaters, I'm going to want to get as much power
> forward as possible. I've optimized the design for forward gain and
> SWR for that reason. Am I missing something? Seems like getting
> getting common mode RFI or introducing loss with an ugly balun
> wouldn't be good.
>
> 73, Rob
>

Yes he does.
I was under the understanding that the 1/2 wave length coax balun was a
better option for vhf and up.
If you use that balun and as short a good *quality* coax that you can
you should have minimal loss.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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www.twintowersalliance.com

--

31376. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 00:18:50 UTC
From: enkitec@...
Topic: 31365 Message: 31376

Other solutions:

http://www.qsl.net/dk7zb/dk7zb-match.htm

http://www.g4cqm.co.uk/YAGI%20DESIGNS/2M%20YAGI/coaxialdipole.html

73, Mark Jordan PY3SS

On 16-Feb-14 20:22, rob@... wrote:
>
> Thanks for the input guys. I got the idea from the section on voltage
> baluns a bit over 1/2 way down the page at
> http://vk5ajl.com/projects/baluns.php. It looks like he's got it on
> the boom of a folded dipole Yagi, but can't quite tell. I don't
> understand why it might be lossy, as it's basically feeding the two
> halves of the driven element with 180 degree out of phase RF,
> eliminating the balanced antenna/unbalance feed issue. Since I'd be
> using this almost exclusively with HTs when trying to reach
> terrain-challenged repeaters, I'm going to want to get as much power
> forward as possible. I've optimized the design for forward gain and
> SWR for that reason. Am I missing something? Seems like getting
> getting common mode RFI or introducing loss with an ugly balun
> wouldn't be good.
>
> 73, Rob
>

31377. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 00:34:25 UTC
From: Billy McFarland
Topic: 31365 Message: 31377

Have a look here also for ideas:

www.g0ksc.co.uk

73 de GM0OBX billy

31378. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 02:15:55 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31365 Message: 31378

I asked mike to send me some pictures and the video he went to for the design.

I asked - his does not break apart, but is sized to easily fit in the storage area of his RV. Thought it came apart, but he wanted "simple" and cheap. And it is both. I think he spent about $15 total on it, and used wire left over from a home improvement project. He even left the scotchbrite banding on the fiberglass, so it glows at night when hit by light. <G>

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "bartenderjim2002@..." <bartenderjim2002@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 16, 2014 5:36 PM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

Thanks Bill will go to you tube and give it a look. Sounds interesting.
JamesM.
KJ6FXA

31379. Re: [ham-antennas] coax balun orientation for 2m Yagi?

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 02:46:20 UTC
From: James Murphy
Topic: 31365 Message: 31379

Thanks Bill. Would love to see them when you get them. You are welcome to send them to me personally if you cannot or do not want to post them on the list. If you do chose to send them to me off list send it to my other email. It is kj6fxa@....
 Again thanks
James W. Murphy
KJ6FXA

From: Bill Blomgren (kk4qdz) <billblomgren@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Sunday, February 16, 2014 6:15 PM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

I asked mike to send me some pictures and the video he went to for the design.

I asked - his does not break apart, but is sized to easily fit in the storage area of his RV. Thought it came apart, but he wanted "simple" and cheap. And it is both. I think he spent about $15 total on it, and used wire left over from a home improvement project. He even left the scotchbrite banding on the fiberglass, so it glows at night when hit by light. <G>

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From: "bartenderjim2002@..." <bartenderjim2002@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 16, 2014 5:36 PM
Subject: Re: [ham-antennas] coax balun orientation for 2m Yagi?

Thanks Bill will go to you tube and give it a look. Sounds interesting.
JamesM.
KJ6FXA

31380. 2.5 to 1 air core balun info wanted

Yahoo group: ham-antennas (2014)
Date: 2014-02-18 18:00:34 UTC
From: <m6mrp@...>
Topic: 31380 Message: 31380

Hi, looking for info on how to wind a 2.5:1 air core balun for a single band loop antenna, I have read lots of arguments about these things but would like to try one against my 4:1 toroid balun out of interest, there is a guy in the USA who sells them and is getting good reviews but for the price of a plastic tube former and some wire it would not be cost effective to ship one over here to the UK. Does anybody on this forum have any information on these balun's or a link to a site that does have the construction details please.
Here is the link to the builder of the USA version I am interested in reproducing to try .http://www.qrz.com/db/AG6IF sorry if this should be put in another section.
cheers
Phil M6MRP

31381. RE: [ham-antennas] 2.5 to 1 air core balun info wanted

Yahoo group: ham-antennas (2014)
Date: 2014-02-18 18:05:47 UTC
From: Billy McFarland
Topic: 31380 Message: 31381

Phil,

I made one using a toroid. It worked well for single band antenna. I used a 4/1 for multiband use age which worked well. I've never made an air core version but the toroid version will be easy enough to make.

73 de GM0OBX billy

31382. RE: [ham-antennas] 2.5 to 1 air core balun info wanted

Yahoo group: ham-antennas (2014)
Date: 2014-02-18 22:54:54 UTC
From: <m6mrp@...>
Topic: 31380 Message: 31382

Hi Billy, I have got the plans for the toroid 2.5:1 balun/transformer and also noticed they are now being produced by balundesigns after many requests:-
http://www.balundesigns.com/servlet/the-121/2.5-cln-1-balun-125-dsh-50-ohms/Detail
http://www.balundesigns.com/servlet/the-121/2.5-cln-1-balun-125-dsh-50-ohms/Detail
Personally I am a big fan of loops and a balun that gives me a closer match to 50 ohms can only be better, after trying a 4:1 air core on another wire antenna I use and getting good results I really want to try the 2.5:1 air core on a loop just out of interest, as I have said for the price of a plastic tube former and some old wire it cant do any harm and it will keep me occupied and out of the xyl's way for a while.
Somebody on here must have wound one before?

Phil

31383. Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 00:38:54 UTC
From: KB3YRC
Topic: 31383 Message: 31383

If you had a choice which magazine would you get?

My subscription to CQ is ending I am looking for something with more
projects in it.

Other than QST what would you pick?

Richard

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31384. magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 00:44:58 UTC
From: KB3YRC
Topic: 31384 Message: 31384

If you had a choice which magazine would you get?

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projects in it.

Other than QST what would you pick?

Richard

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31385. RE: [ham-antennas] magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 00:51:08 UTC
From: Gary H. Harmon, Jr.
Topic: 31384 Message: 31385

Electric Radio

Gary H. Harmon, Jr. - K5JWK

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

"Retirement means every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of KB3YRC
Sent: Tuesday, February 18, 2014 6:45 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] magazines

If you had a choice which magazine would you get?

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Other than QST what would you pick?

Richard

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

31386. Re: [ham-antennas] magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 01:53:21 UTC
From: Kenneth G. Gordon
Topic: 31384 Message: 31386

On 18 Feb 2014 at 19:44, KB3YRC wrote:

> If you had a choice which magazine would you get?
>
> My subscription to CQ is ending I am looking for something with more
> projects in it.
>
> Other than QST what would you pick?

As Gary Harmon said, and I most heartily second his opinion:

Electric Radio Magazine by a long ways.

http://www.ermag.com/

I can't even think if anything else.

Ken W7EKB

31387. RE: [ham-antennas] magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 03:08:56 UTC
From: Ray, W4BYG
Topic: 31384 Message: 31387

If you like more advanced projects to read about, I find QEX extremely interesting.

Ray, W4BYG

The Republic can survive a fool for a president. It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, February 18, 2014 8:53 PM
To: KB3YRC
Cc: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] magazines

On 18 Feb 2014 at 19:44, KB3YRC wrote:

> If you had a choice which magazine would you get?
>
> My subscription to CQ is ending I am looking for something with more
> projects in it.
>
> Other than QST what would you pick?

As Gary Harmon said, and I most heartily second his opinion:

Electric Radio Magazine by a long ways.

http://www.ermag.com/

I can't even think if anything else.

Ken W7EKB

31388. Re: [ham-antennas] magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 04:16:54 UTC
From: ka9p@...
Topic: 31384 Message: 31388

And I think the RSGB magazine RadCom strikes a nice balance between QEX and QST in terms of technical content, although its fallen a tiny bit of late.
73 Scott

31389. Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 14:27:51 UTC
From: Thomas W4HM
Topic: 31384 Message: 31389

Richard don't buy a subscription to CQ Magazine. They are having financial problems and shipping the print version of CQ erratically, late to very late or not at all.

I bought a subscription on November 4, 2013 and have yet to receive my first issue. I contacted them by email on December 5, 2013 about the issue and they told me that the first issue would arrive at the beginning of January 2014.

Well it's February 19th and still no first issue and they have not responded to my latest email query sent in on January 15th..

When things were $$$ okay for them CQ magazine was the better magazine as compared to QST. I found QST to be boring and stale.

73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
http://www.solarcycle24.org
W4HM's Lakeland FL Daily Climatological Weather Date Archive:
http://www.lakelandfloridaweather.org
W4HM's Florida Daily Weather Discussion:
http://www.wcflunatall.com/floridaweatherforecast.htm

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http://www.avast.com

31390. Re: [ham-antennas] Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 18:03:23 UTC
From: Todd F. Carney / K7TFC
Topic: 31384 Message: 31390

Well, their website has the digital versions of January and February online to read. As most are probably already aware, CQ is changing a number of things. Here's the scrolling banner at the top of their homepage:

Popular Communications, WorldRadio Online and CQ VHF to merge with CQ as of February issue.

I suspect that *if* they are having financial issues, effectively eliminating three of their magazines should go a long way. The merging of magazines is not uncommon, but one of them is the dominant one and the other ends up being reduced to a monthly column. I suspect we will begin to see a monthly column on monitors, one on SWL, and one on VHF.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

On Wed, Feb 19, 2014 at 6:27 AM, Thomas W4HM <w4hm@...> wrote:

>
>
> Richard don't buy a subscription to CQ Magazine. They are having financial
> problems and shipping the print version of CQ erratically, late to very
> late
> or not at all.
>
> I bought a subscription on November 4, 2013 and have yet to receive my
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> issue. I contacted them by email on December 5, 2013 about the issue and
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> When things were $$$ okay for them CQ magazine was the better magazine as
> compared to QST. I found QST to be boring and stale.
>
> 73 & GUD DX,
> Thomas F. Giella W4HM
> Lakeland, FL, USA
> w4hm@...

>
> W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
> W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
> http://www.solarcycle24.org
> W4HM's Lakeland FL Daily Climatological Weather Date Archive:
> http://www.lakelandfloridaweather.org
> W4HM's Florida Daily Weather Discussion:
> http://www.wcflunatall.com/floridaweatherforecast.htm
>
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> protection is active.
> http://www.avast.com
>
>
>

31391. Re: [ham-antennas] Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-19 21:11:28 UTC
From: dale cole
Topic: 31384 Message: 31391

Richard;
I have (almost complete) both QST and CQ going back to 2000. To you, (or anyone else, for that matter) I would love to find another bookcase home to. I am sure there are some missing issues here or there, but they are free, but they would have to foot the postage (UPS would be best). To those having problems with CQ, please "bump" them again. Without fail, CQ comes one day, followed by qst the very next day.
My shipping address would be: 49201, and would suspect they weigh in at about 50-60 pounds
Dale K8TS

From: Thomas W4HM <w4hm@...>
To: "ham-antennas @ Yahoo" <ham-antennas@yahoogroups.com>
Sent: Wednesday, February 19, 2014 9:27 AM
Subject: [ham-antennas] Re: magazines

Richard don't buy a subscription to CQ Magazine. They are having financial problems and shipping the print version of CQ erratically, late to very late or not at all.

I bought a subscription on November 4, 2013 and have yet to receive my first issue. I contacted them by email on December 5, 2013 about the issue and they told me that the first issue would arrive at the beginning of January 2014.

Well it's February 19th and still no first issue and they have not responded to my latest email query sent in on January 15th..

When things were $$$ okay for them CQ magazine was the better magazine as compared to QST. I found QST to be boring and stale.

73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
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W4HM's Lakeland FL Daily Climatological Weather Date Archive:
http://www.lakelandfloridaweather.org
W4HM's Florida Daily Weather Discussion:
http://www.wcflunatall.com/floridaweatherforecast.htm

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http://www.avast.com

31392. Re: [ham-antennas] Best Antenna For Small Backyard?

Yahoo group: ham-antennas (2014)
Date: 2014-02-20 01:18:02 UTC
From: Goldtr8 (KD8NNU)
Topic: 31109 Message: 31392

I built a cobweb for its pattern being nice and circular and at 40 ft high it works great.

I am not space limited but it is out performing my fan dipole inverted V (35 ft) and my big loop. If I hear them I work them and this antenna hears real well. I don’t know if its due to polarization but it has a nice signal to noise performance.

I have not owned a beam antenna yet, but if you don’t want to deal with a rotor and so on it’s a good antenna and does not appear to be a compromise.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

From: Geoff NW7GM
Sent: Wednesday, January 29, 2014 11:06 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Best Antenna For Small Backyard?

The only problem with a hex or spider beam is you need a rotator. With a cobweb antenna, you don't. I do agree with the remote tuner (ah4 or sgc model) if you end up doing a wire antenna.

Geoff, NW7GM
Seattle, WA
CN87tr

On Jan 29, 2014 6:41 PM, <judge.royal@...> wrote:

Hi George
A good remote tuner will let you match almost any piece of wire for antenna. Icom AH4 or SG Smart remote tuner will do you justice.
The Hex Beam would be a good choice. 12 feet is all you need. http://www.hexagonalbeam.com/
MFJ sell a Mag loop that is supposed to work well. Lots of plans on eham.net etc for Mag loops.
Ham Universe has lots to pick from: http://www.hamuniverse.com/antennas.html

Hope the links come thru.
Good Luck
73 Roy N5SWE

"When in need call a Country Cousin"

31393. Magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-20 18:13:48 UTC
From: Bob Richie
Topic: 31393 Message: 31393

For the best information on antennas, you'll get it right here. I'm not a moderator, list owner, or vendor but most of the information here will be well intended. I like the magazines but their mission is to sell advertising and you may not get a brutally truthful review. Like wise, there are other forums that have good information. Check out the ones on your particular rig. Thanks to the list owners for providing this service.

Bob
K5YB
Kerrville, TX 78028

31394. Re: [ham-antennas] magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-20 23:23:48 UTC
From: Andy
Topic: 31384 Message: 31394

I don't know much about ham-related magazines....

However I hear many people love QRP Quarterly. QRP folks tend to be more hobby oriented, so maybe that's a way to go if you like homebrew projects.

So it all depends on your interests.

Andy

31395. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 00:58:31 UTC
From: Jim Lowman
Topic: 31383 Message: 31395

If you're interested in QRP at all, QRP Quarterly has lots of projects.
It comes with a membership in QRP-ARCI.

Some regional QRP clubs publish a magazine at least quarterly.
The Michigan QRP Club is one.

73 de Jim - AD6CW

31396. Re: [ham-antennas] Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 01:08:39 UTC
From: Jim Lowman
Topic: 31384 Message: 31396

This is one reason that I no longer subscribe to any magazine for more than one year, no matter how good the deal is.
Since about the mid-80s, any number of magazines have ceased publication. Byte Magazine comes to mind.

The XYL paid for a lifetime membership to World Radio. We both enjoyed it. But that was before they ceased publication the *first* time.
Supposedly she got a subscription to CQ Magazine equivalent to the money that remained, but not a lifetime subscription.

My only regret was not getting a life membership to ARRL years ago.
I was angry with them over Incentive Licensing, since it caused me to lose privileges that I had earned already and was using, and so I stayed away for 30 years.

73 de Jim - AD6CW

On 2/19/2014 6:27 AM, Thomas W4HM wrote:
> Richard don't buy a subscription to CQ Magazine. They are having financial
> problems and shipping the print version of CQ erratically, late to very late
> or not at all.
>
> I bought a subscription on November 4, 2013 and have yet to receive my first
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> compared to QST. I found QST to be boring and stale.
>
> 73 & GUD DX,
> Thomas F. Giella W4HM
> Lakeland, FL, USA
> w4hm@...
>

31397. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 13:37:18 UTC
From: <fsurovec@...>
Topic: 31383 Message: 31397

Jim....
I have the same feelings toward the ARRL as you do. I was in grade school when I got my Novice ticket and only in sixth grade when I got my General. I didn't understand most of the theory I "learned" but I was able to pass the test. Then, in their infinite wisdom pushed for Incentive Licensing and like many others lost those
precious lower portions of the bands. Now it's almost a joke the way the tests are conducted.... if you have a good memory you can just about pass the Extra without a problem and you really don't need to know the theory. The days of my memorizing a lot of stuff I fear is long past and I will just have to stay with my General. Hope I don't get "flamed" for this!

73,

Francis
WA3GGV

31398. Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 13:41:20 UTC
From: Bry Carling
Topic: 31384 Message: 31398

... and QST is shrinking. They tell us that the ham radio population is growing by leaps and
bounds - great. Where are the articles, ads etc... ?

To be honest I think QST has been good lately, but it is becoming noticeably thinner.

31399. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 13:46:48 UTC
From: Chuck Schultz
Topic: 31383 Message: 31399

*Let me get this right.....you memorized the answers as a child but knew nothing but that was " OK " , the new regime does the same thing and it's wrong . I contend that regardless of how you studied . if you use your license you will some day realize that you now understand and use what you memorized . 73 Chuck Wq5B *

On 2/23/2014 7:37 AM, fsurovec@... wrote:

> Jim....
> I have the same feelings toward the ARRL as you do. I was in grade
> school when I got my Novice ticket and only in sixth grade when I got
> my General. I didn't understand most of the theory I "learned" but I
> was able to pass the test. Then, in their infinite wisdom pushed for
> Incentive Licensingand like many others lost those
> precious lower portions of the bands. Now it's almost a joke the way
> the tests are conducted.... if you have a good memory you can just
> about pass the Extra without a problem and you really don't need to
> know the theory. The days of my memorizing a lot of stuff I fear is
> long past and I will just have to stay with my General. Hope I don't
> get "flamed" for this!
>
> 73,
>
> Francis
> WA3GGV
>
>

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31400. Re: [ham-antennas] Re: magazines

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 13:51:49 UTC
From: Joe
Topic: 31384 Message: 31400
Attachments: 1 described; binary payloads are missing from this source WARC

And a seemingly greater percentage of it is Ad's.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 2/23/2014 7:41 AM, Bry Carling wrote:
>
>
> ... and QST is shrinking. They tell us that the ham radio population
> is growing by leaps and bounds - great. Where are the articles, ads
> etc... ?
>
> To be honest I think QST has been good lately, but it is becoming
> noticeably thinner.
>
>
>
>

31401. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 13:55:26 UTC
From: Gerald Bishop
Topic: 31383 Message: 31401

Feel the same way- Might be surprised at what you have retained over the years. i was off for 20 years and said with the changes i would become an extra one day . Got the new book in June of 2000 and was asked to write in Nov. Looked at the questins and looked up what I didn't remember. Was real surprised when I passed it the first try. Be 80 in May HI de w8kq,Jerry
----- Original Message -----
From: Chuck Schultz
To: ham-antennas@yahoogroups.com
Sent: Sunday, February 23, 2014 8:46 AM
Subject: Re: [ham-antennas] Radio Amateur Publication

Let me get this right.....you memorized the answers as a child but knew nothing but that was " OK " , the new regime does the same thing and it's wrong . I contend that regardless of how you studied . if you use your license you will some day realize that you now understand and use what you memorized . 73 Chuck Wq5B

On 2/23/2014 7:37 AM, fsurovec@... wrote:

Jim....
I have the same feelings toward the ARRL as you do. I was in grade school when I got my Novice ticket and only in sixth grade when I got my General. I didn't understand most of the theory I "learned" but I was able to pass the test. Then, in their infinite wisdom pushed for Incentive Licensing and like many others lost those
precious lower portions of the bands. Now it's almost a joke the way the tests are conducted.... if you have a good memory you can just about pass the Extra without a problem and you really don't need to know the theory. The days of my memorizing a lot of stuff I fear is long past and I will just have to stay with my General. Hope I don't get "flamed" for this!

73,

Francis
WA3GGV

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31402. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 17:16:40 UTC
From: DVC3565@...
Topic: 31383 Message: 31402

Francis: GA OM...I just have to respond to your text. I feel sorry for all the new hams, (and our fraternity,) that never had to go before the steely eyed FCC inspector and take THE code test..before even being allowed to look at the written. (Those guy's WERE the original "men in black!") I was NOT for incentive licensing-back in the day. And I was (still am,) AGAINST the no code license...and always will be. However, our hobby was slowly dying. We couldn't compete with computers & video games, kid's were slowly introduced to the "no kid can fail" instant gradification the left winger's have made the norm now in the USA. AND we have a lot of RF spectrum that a lot of people wanted for monetary reasons. IF the ARRL had NOT pushed for the path they chose...I fear the hobby would be a shadow of what it is today. Like the American Indian's...we would be operating on 2 or 3 bands with a small spectrum to use. WE would be on OUR "reservation!" I give the ARRL credit for that. I would love to support the ARRL, but their policy of having to pay for & take QST doesn't make me happy. For those of us on fixed income, (retired-on disability now. ONE bullet to many.) I wish they would make an option to be a member at a reduced rate-WITHOUT having to support QST. But I don't see it happening.
And...your right! The hams today are basically just "appliance" operators. I listen to some of the VERY basic questions they ask & talk about on the air...and wonder IF the had an elmer? I am getting old, and I know times change. But I DO long for the ham radio I knew in the mid 70's-when I got started. The GENTLEMEN and ambassadors of the air waves we were then. Granted we had our "dark side" (the guys on 80 meters at night)-the ones you NEVER wanted any visitor to the shack to "hear" when you were trying to get them interested in the hobby. But then again I never had to walk to school 5 miles, in the snow, up hill...like my Dad did. Point being, we all remember the fond memories of the past, and wish it could always be like Mayberry, (remember the double digit inflation we had for 4 years with President Carter?) Things will never be like they were.
I see a LOT of Extra's today that can't solder a coax connector on right. And my 4 year old grandson has more electrical knowledge then most of them. Remember when you had to be a ham for 2 years before you could even smell the Extra test? What the hell happened to OUR hobby?
Now..you walk into a VE test site, pay your money, take a memorized test...and CAN walk out with a license...and NEVER have made a contact on the air! I just feel we went in the wrong direction with our hobby. But maybe we had no choice. At least we still have our bands to "work them" on.
PS..the 4 land call comes from my years as a Florida Deputy Sheriff. Back in the day (for you newbies,) when you moved from one call region to another you HAD to change your call-to the number of the region you moved to. Yes! you lost your vanity or special call...and had to take your chance's on a new one being available that YOU "liked." It was called adversity..you had to adapt and deal with it. Something we have forgot how to do in today's me, Me, ME world in the USA.

I'll put my soapbox away now...thanks for the memories! (Now I will go put my asbestos underwear on...(for the flames too come!)

73,

Dave-KJ4PF (Ex-WB3KNS) 38+ years as a ham..and finally having the TIME to enjoy the hobby!

In a message dated 2/23/2014 8:37:22 A.M. Eastern Standard Time, fsurovec@... writes:

Jim....
I have the same feelings toward the ARRL as you do. I was in grade school when I got my Novice ticket and only in sixth grade when I got my General. I didn't understand most of the theory I "learned" but I was able to pass the test. Then, in their infinite wisdom pushed for Incentive Licensing and like many others lost those
precious lower portions of the bands. Now it's almost a joke the way the tests are conducted.... if you have a good memory you can just about pass the Extra without a problem and you really don't need to know the theory. The days of my memorizing a lot of stuff I fear is long past and I will just have to stay with my General. Hope I don't get "flamed" for this!

73,

Francis
WA3GGV

31403. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 17:29:24 UTC
From: <email4utoo@...>
Topic: 31383 Message: 31403

I just got back into this Great Hobby, after being too busy for over 45yrs ! I am happy to be back and wow so many changes ,(No Code ! how the hell did that happen ! lol)some things we cannot control , so just enjoy what we have . Not saying do not vote or voice your wishes , just not to build up Blood pressure, not worth it , life is too short so enjoy. I know i am finally ! Have fun , 73s, AJ from Ozarks, KF5Zyb

31404. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 17:38:18 UTC
From: <email4utoo@...>
Topic: 31383 Message: 31404

Dave , Too Funny and True, although i walked in cold weather and road a bike , not in snow , but now i live in a harsher area , but love the rural Values, and no one to complain about any Tower or Truck parked on my Grass ! lol . I remember traveling far to San Francisco for my General in the 60s, i was so nervous that the examiner told me that i was sending 20wpm instead of 13 ! Hihi. I was shocked to study a few days and take the tech like it was nothing , will study now for General , then Extra , this Great Hobby still has Challenges ,we just have to go for them and enjoy every minute. I will reach out to younger folks to help them get involved , they are our Future and History can repeat , this America is gonna need Ham Radio in the Future , mark my word. 73s, AJ KF5Zyb

31405. RE: comet cp-45 aluminum mast/tripod

Yahoo group: ham-antennas (2014)
Date: 2014-02-23 20:21:20 UTC
From: <carl.lavoie.1973@...>
Topic: 30944 Message: 31405

The connector on the Jawmount is 3/8-24 thread. It's the standard thread for amateur radio antenna and CB.

31406. Comet h 422

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 02:47:19 UTC
From: <dcerrato1@...>
Topic: 31406 Message: 31406

All, Just moved and looking to rebuild my station. I plan on mounting the antenna on the roof of my detached garage. Garage ends right in the property line and I have about 10-15 feet of clearance from the peak of the roof before I'm in the neighbors yard. I want something directional with 40meters. Ma5b would be the perfect size but no 40meters. So I'm thinking of the comet h 422 rotatable dipole. Am I wasting my money, is it junk? I know I'm compromising but I'm a severely compromising? Thoughts or ideas? Thanks, Doug KB2UKA

31407. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:13:43 UTC
From: <hitekgearhead@...>
Topic: 31383 Message: 31407

Gentlemen, I just have to respond to this from the other end of the spectrum (pun intended).
I passed my tech several years ago and became a general two years ago. I am an electrical engineer so the only difficult portion of the tests for me were the rules, regulations, and exposure limits.
The point I wanted to make is that I am glad they eliminated the code portion of the exam. I have some interest in code, but why should I have to take a special test on just one operational mode? Since there are so many operational modes today, and quite a few hams will never use them all, why have them test on just one?
Now I am not for making the exams overly easy. There are several things that should be understood before someone gets their license. But my point is, maybe someone wants to build a microcontroller (arduino) based SDR and do APRS. Why should they be forced to learn a mode that they should never use. Or conversely, lets make "practical" tests for all modes and/or more aspects of the test. For example, maybe a prospect has to demonstrate the calculations and actually build a dipole, or solder/crimp a connector, copy a weak ssb signal, decode a digital signal..... and the elmer/examiner checks these things off like we did when we got our boy scout merit badges.

Basically, I agree that the tests are very easy, and probably should be changed a little, but being tested on just one mode of operation seems silly to me.

Albert
KI4ORI

31408. Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:25:12 UTC
From: <kk4ixe@...>
Topic: 31408 Message: 31408

Hello everyone/anyone, my name is Terry. I have an antenna issue that needs attention however I do not really know how to resolve it, may I run it past you and if you have any suggestions I would love to hear them.

I operate a Yaesu FT 757GX with a 757AT tuner and they are connected to a G5RV that I bought last year at a local hamfest. During the year the line Isolator (mfg. label I believe it was a balun located at the end of the flat line) became water filled and caused problems. After researching the internet I learned I could homebrew an air core balun using 10-11 turns of coax turned on PVC pipe and use this to replace the original isolator/balun. I did and have only experienced problems.

my rig is 100watts output but only giving 10watts per my tuner P/O meter. radio P/0 meter is set for rev power and shows around 80watts being reflected. SWR is <1.5:1 on 20meters <3:1 on 40&80 meters with radio connected to a dummy load tuner power output is 80-90 watts and 0 on the radio P/O meter so the rig looks good. flatline matching section is +/-34' long and 450 ohm ladder line feedline is RG8X +/-20' long to the radio room Antenna center is 36' high and is operated as a dipole
I feel the problem is with the homebrew balun but I do not know what to replace it with? Or, Should I replace the entire antenna rig with something else. This was my first Hf setup after upgrading my licenses, I didn't have anyone to talk with or ask advice, it was self research all the way.

Thanks for your time
Terry
kk4ixe

31409. Re: magazines (and projects)

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:27:30 UTC
From: <hitekgearhead@...>
Topic: 31384 Message: 31409

Just thought I would mention "Nuts & Volts". While not primarily a radio magazine it is filled with projects, many of which focus on microcontrollers and board level computers. You may also look at "Make" magazine or the website www.instructables.com. http://www.instructables.com. These again are not primarily ham radio directed but you can find radio related projects in both.

And even if it isn't radio related, you will find some cool project to give you an excuse to tinker at your bench or in your garage, man cave, or mad scientist lair.....

....ever thought of soldering SMD components in a toaster oven?.... look that one up....

-Albert
KI4ORI

31410. WTB: NMO mag base

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:27:38 UTC
From: <andrew@...>
Topic: 31410 Message: 31410

Want to buy a used but working MAGNETIC base mount for a NMO antenna
Andrew Schneider, N7EBG
N7EBG@...

31411. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:28:47 UTC
From: Adrian Flynn
Topic: 31383 Message: 31411

Hi Dave,

I agree with your statement below.
I didn't take " (retired-on disability now. ONE bullet to many.) "
I am disabled retired from one to many exposures to items used in the construction and maintenance of our highway system, My lungs gave up for the most part.
ARRL does need our support BUT being disabled early and on a retirement income now (No GOLDEN Parachute) I can not afford to support them since you have to have QST!
I manage about every 2 or 3 years to join for a year but that is it.

I think there would be more members in ARRL if it separated the Magazine from membership.
I also agree that the code should be part of it but see and agree why the change, I passed it way back in 1963 but dropped out for almost 40 years when life got in the way.

72/73
Adrian KF7DYU

<Snip>
I give the ARRL credit for that. I would love to support the ARRL, but their policy of having to pay for & take QST doesn't make me happy. For those of us on fixed income,
(retired-on disability now. ONE bullet to many.) I wish they would make an option to be a member at a reduced rate-WITHOUT having to support QST. But I don't see it happening.

> <Snip>
>

31412. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:30:16 UTC
From: JOHN VERMILYEA
Topic: 31383 Message: 31412

Dear Albert,

You are beating a dead horse, the Big Bad Code is all gone away for about 13 years now. True, its disappearance allowed me to go from Tech Plus to Extra but it is still gone.

Regards,

John V.
K3YS

On Monday, February 24, 2014 10:13 AM, "hitekgearhead@..." <hitekgearhead@...> wrote:

Gentlemen, I just have to respond to this from the other end of the spectrum (pun intended).
I passed my tech several years ago and became a general two years ago. I am an electrical engineer so the only difficult portion of the tests for me were the rules, regulations, and exposure limits.
The point I wanted to make is that I am glad they eliminated the code portion of the exam. I have some interest in code, but why should I have to take a special test on just one operational mode? Since there are so many operational modes today, and quite a few hams will never use them all, why have them test on just one?
Now I am not for making the exams overly easy. There are several things that should be understood before someone gets their license. But my point is, maybe someone wants to build a microcontroller (arduino) based SDR and do APRS. Why should they be forced to learn a mode that they should never use. Or conversely, lets make "practical" tests for all modes and/or more aspects of the test. For example, maybe a prospect has to demonstrate the calculations and actually build a dipole, or solder/crimp a connector, copy a weak ssb signal, decode a digital signal..... and the elmer/examiner checks these things off like we did when we got our boy scout merit badges.

Basically, I agree that the tests are very easy, and probably should be changed a little, but being tested on just one mode of operation seems silly to me.

Albert
KI4ORI

31413. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:42:37 UTC
From: Adrian Flynn
Topic: 31383 Message: 31413

Hi Albert,

The point "I" want to make is that the code is very necessary in that when *TSHTF* you can count on code making it through when "*noise is so high you can't *understand what is being said.
Also a pulse signal has way more *POWER* that a SSB, AM, FM or any other type of signal.

That is why there should be a Code requirement for ANY radio license including *Chicken Band & FRS!*

I better find some asbestos and Kevlar armor now.

72/73
Adrian KF7DYU

<Snip>

The point I wanted to make is that I am glad they eliminated the code portion of the exam. I have some interest in code, but why should I have to take a special test on just one operational mode? Since there are so many operational modes today, and quite a few hams will never use them all, why have them test on just one?
<Snip>

31414. Re: [ham-antennas] Re: magazines (and projects)

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:51:09 UTC
From: Michael Sloan
Topic: 31384 Message: 31414

My link for "instructorless" does not work....

----- Original Message -----
From: <hitekgearhead@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, February 24, 2014 10:27 AM
Subject: [ham-antennas] Re: magazines (and projects)

> Just thought I would mention "Nuts & Volts". While not primarily a radio
> magazine it is filled with projects, many of which focus on
> microcontrollers and board level computers. You may also look at "Make"
> magazine or the website www.instructables.com.
> http://www.instructables.com. These again are not primarily ham radio
> directed but you can find radio related projects in both.
>
>

31415. AW: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 15:56:46 UTC
From: siegfried jackstien
Topic: 31408 Message: 31415

Ok i will try to give you some info and help:

The g5rv is a extended dipole for 20m (reason why swr is around 1.5)

It "CAN" be used on other bands with a wideband tuner (but with a bit of higher loss)

Your 757at is not such a wideband tuner ... it is only build to tune below 1:3 (so a resonant dipole at the band edges or similar)

I would route ladderline completely down to the shack

And the use a manual tuner with built-in balun (or a homebrewed balun connected directly after tuner)

Ok ... you do not wanna buy another tuner??

Then maybe a fan dipole would be an option

That is resonant on as many bands as you add dipoles to it

But pruning is a lot of work till all bands match

(start with lowest band first ... do not cut the ends but bend backwards and wrap around the end so you can again make it longer without soldering)

Or maybe a trap-dipole???

Several ways to skin that cat hihi

Greetuz

Sigi

Dg9bfc

Ps ... look for some good antenna books (like the arrl antenna book) ... go to your local hamclub and ask an elmer for help ... ask on local repeater if anybody is willing to help you with the first steps

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von kk4ixe@yahoo.com
> Gesendet: Montag, 24. Februar 2014 15:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Need antenna help
>
>
>

> Hello everyone/anyone, my name is Terry. I have an antenna issue that
> needs attention however I do not really know how to resolve it, may I run
> it past you and if you have any suggestions I would love to hear them.
>
> I operate a Yaesu FT 757GX with a 757AT tuner and they are connected to a
> G5RV that I bought last year at a local hamfest. During the year the line
> Isolator (mfg. label I believe it was a balun located at the end of the
> flat line) became water filled and caused problems. After researching the
> internet I learned I could homebrew an air core balun using 10-11 turns of
> coax turned on PVC pipe and use this to replace the original
> isolator/balun. I did and have only experienced problems.
>
>
>
> * my rig is 100watts output but only giving 10watts per my tuner P/O
> meter.
> * radio P/0 meter is set for rev power and shows around 80watts being
> reflected.
> * SWR is <1.5:1 on 20meters
>
> * <3:1 on 40&80 meters
>
> * with radio connected to a dummy load tuner power output is 80-90
> watts and 0 on the radio P/O meter so the rig looks good.
> * flatline matching section is +/-34' long and 450 ohm ladder line
> * feedline is RG8X +/-20' long to the radio room
> * Antenna center is 36' high and is operated as a dipole
>
>
> I feel the problem is with the homebrew balun but I do not know what to
> replace it with? Or, Should I replace the entire antenna rig with
> something else. This was my first Hf setup after upgrading my licenses, I
> didn't have anyone to talk with or ask advice, it was self research all
> the way.
>
>
> Thanks for your time
> Terry
> kk4ixe
>
>

31416. RE: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:09:56 UTC
From: William Collister
Topic: 31408 Message: 31416

First thing I would suggest is to now put the dummy load @ end of the coax both with and without the tuner attached and test again. Let's at least alleviate the possibility of the coax being at least part of the problem. Then the tuner, as well. Realize that the tuner at the feed end of the coax only "makes" the antenna system look OK to the radio, it really doesn't "tune" the antenna (it's more of a match-box). To do that, the tuner would have to be placed after the unbalanced (coax) line and before the balanced line (you called it flat line) where it could then react with the antenna itself, i.e. an antenna coupler. Good luck!

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: kk4ixe@...
Date: Mon, 24 Feb 2014 07:25:12 -0800
Subject: [ham-antennas] Need antenna help

Hello everyone/anyone, my name is Terry. I have an antenna issue that needs attention however I do not really know how to resolve it, may I run it past you and if you have any suggestions I would love to hear them.

I operate a Yaesu FT 757GX with a 757AT tuner and they are connected to a G5RV that I bought last year at a local hamfest. During the year the line Isolator (mfg. label I believe it was a balun located at the end of the flat line) became water filled and caused problems. After researching the internet I learned I could homebrew an air core balun using 10-11 turns of coax turned on PVC pipe and use this to replace the original isolator/balun. I did and have only experienced problems.

my rig is 100watts output but only giving 10watts per my tuner P/O meter.
radio P/0 meter is set for rev power and shows around 80watts being reflected.
SWR is <1.5:1 on 20meters

<3:1 on 40&80 meters
with radio connected to a dummy load tuner power output is 80-90 watts and 0 on the radio P/O meter so the rig looks good.
flatline matching section is +/-34' long and 450 ohm ladder line
feedline is RG8X +/-20' long to the radio room
Antenna center is 36' high and is operated as a dipole

I feel the problem is with the homebrew balun but I do not know what to replace it with? Or, Should I replace the entire antenna rig with something else. This was my first Hf setup after upgrading my licenses, I didn't have anyone to talk with or ask advice, it was self research all the way.

Thanks for your time
Terry

kk4ixe

31417. RE: AW: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:14:55 UTC
From: <kk4ixe@...>
Topic: 31408 Message: 31417

Thank you, you brought up something I left out of my original email. I have tried ladder line to the radio room and relocated the homebrew balun behind my equipment with a 4' piece of RG8X and there was no difference in power output. I did not know that about my tuner though, thank you for that info. now to move ahead...

73
Terry
kk4ixe

31418. AW: [ham-antennas] Re: magazines (and projects)

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:17:41 UTC
From: siegfried jackstien
Topic: 31384 Message: 31418

> mad scientist lair.....
>
> ....ever thought of soldering SMD components in a toaster oven?.... look
> that one up....
>

Howard g6lvb made the first batches of fcd that way

http://www.youtube.com/watch?v=NJ12cG1bCqI

melting starts at 13.55

dg9bfc

sigi

31419. RE: [ham-antennas] Re: magazines (and projects)

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:20:42 UTC
From: William Collister
Topic: 31384 Message: 31419

maybe copy & paste? www.instructables.com does work.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: msloan@...
Date: Mon, 24 Feb 2014 10:51:09 -0500
Subject: Re: [ham-antennas] Re: magazines (and projects)

My link for "instructorless" does not work....

----- Original Message -----
From: <hitekgearhead@...>
To: <ham-antennas@yahoogroups.com>
Sent: Monday, February 24, 2014 10:27 AM
Subject: [ham-antennas] Re: magazines (and projects)

> Just thought I would mention "Nuts & Volts". While not primarily a radio
> magazine it is filled with projects, many of which focus on
> microcontrollers and board level computers. You may also look at "Make"
> magazine or the website www.instructables.com.
> http://www.instructables.com. These again are not primarily ham radio
> directed but you can find radio related projects in both.
>
>

31420. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:28:20 UTC
From: <hitekgearhead@...>
Topic: 31383 Message: 31420

```
John,
Read more carefully. I am agreeing with you.
-Albert
```

31421. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:33:15 UTC
From: <hitekgearhead@...>
Topic: 31383 Message: 31421

Adrian,
I do agree and understand. But I imagine there are a lot of amateur radio ops who are not concerned with WTSHTF or emergency ops. It isn't the sole purpose of why we "play radio". Personally, my BOB, gear, and radios are all in the same place.
-Albert

31422. RE: [ham-antennas] WTB: NMO mag base

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:38:27 UTC
From: Billy Manley
Topic: 31410 Message: 31422

I bought mine from MFJ. Reasonable priced. I've had it on the car for three years. No problems

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31423. Rohn 25G tower question

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 16:57:49 UTC
From: K7Max
Topic: 31423 Message: 31423

I need to know (without climbing the tower) what the bolt and thread size is for the top section “set screw” of a Rohn 25G. The Rohn specs identifies it as a “set screw” but it is actually a square or hex bolt welded to the top feed thru section. It is used to lock a fixed antenna mast to prevent turning in the wind.

Due to health reasons I can not climb anymore but I have a neighbor who has been climbing for me. I need to raise my hex beam/mast so that I can remove a Yaesu G450 rotor for repair or replacement. In order to do this I need to insert the correct size bolt to lock the mast. Next to last photo on http://qrz.com/db/K7MAX shows the Hex on a short side mounted Rohn 25.

Thanks in advance.

Max
K7max
Phoenix, AZ
http://www.maxsphotos.com/

31424. Re: AW: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 17:14:14 UTC
From: Jeffrey Lord
Topic: 31408 Message: 31424

My understanding is that coiled coax balun is for rf not voltage
I suggest that you replace the original balun with one of the same specification

These baluns are there to alter the antenna apparent resistance
Dipoles do not have 50 ohms they are I believe around 75
However when folded and modified as a G5rv this could be much higher and the correct balun is required

Jeff
Vk4fnrs

Sent from my iPhone

31425. Re: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 17:57:18 UTC
From: Frank Kirschner
Topic: 31408 Message: 31425

Hi, Terry,

Others have given some good advice. I'll just add a few points.

The G5RV is not designed to have a balun; it uses the 34' ladder line as a matching transformer. The original G5RV had the coax directly connected to the ladder line. What you have used there is technically not a balun, but a common-mode choke. It won't effect SWR, only common-mode current.

I use the wire from a G5RV (102 feet fed in the center) with a long run of 450-ohm window line to a 9:1 balun, then through 3 feet of coax to a wide-range tuner (MFJ-998). It loads up well on all bands from 80 to 6, with the most trouble on 15. (I now have a five-band Yagi, so I only use the doublet on 80 to 30.) I got basically the same result with a 4:1 balun, and picked the 9:1 because it was easier to mount on the 4 X 4 post outside the shack. I can also use the doublet on 160 by shorting the near ends of the window line together and loading it against some ground radials. Works OK.

I'd recommend a real balun at the end of the window line, as near to the tuner as you can get it. Use a wide-range tuner, and you'll be good to go. The window line has lower loss than coax, so a high SWR on the antenna isn't much of a problem, as long as your tuner can handle it (which, of course, the internal tuner on your rig can't).

Hope that helps.

73,
Frank
KF6E

On Mon, Feb 24, 2014 at 10:25 AM, <kk4ixe@...> wrote:

>
>
> Hello everyone/anyone, my name is Terry. I have an antenna issue that
> needs attention however I do not really know how to resolve it, may I run
> it past you and if you have any suggestions I would love to hear them.
>
> I operate a Yaesu FT 757GX with a 757AT tuner and they are connected to a
> G5RV that I bought last year at a local hamfest. During the year the line
> Isolator (mfg. label I believe it was a balun located at the end of the
> flat line) became water filled and caused problems. After researching the
> internet I learned I could homebrew an air core balun using 10-11 turns of
> coax turned on PVC pipe and use this to replace the original
> isolator/balun. I did and have only experienced problems.
>

>
> - my rig is 100watts output but only giving 10watts per my tuner P/O
> meter.
> - radio P/0 meter is set for rev power and shows around 80watts being
> reflected.
> - SWR is <1.5:1 on 20meters
> - <3:1 on 40&80 meters
> - with radio connected to a dummy load tuner power output is 80-90
> watts and 0 on the radio P/O meter so the rig looks good.
> - flatline matching section is +/-34' long and 450 ohm ladder line
> - feedline is RG8X +/-20' long to the radio room
> - Antenna center is 36' high and is operated as a dipole
>
> I feel the problem is with the homebrew balun but I do not know what to
> replace it with? Or, Should I replace the entire antenna rig with something
> else. This was my first Hf setup after upgrading my licenses, I didn't have
> anyone to talk with or ask advice, it was self research all the way.
> Thanks for your time
> Terry
> kk4ixe
>
>
>

31426. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 17:58:23 UTC
From: <the_melzer@...>
Topic: 31383 Message: 31426

When I was first licensed back in 1961 I had to go to a notary public and swear an oath of allegiance to the United States. Ham radio has changed an awful lot since then. Most of the newer radios would be difficult for most competent technicians to repair, let alone the average guy that would only work on them occasionally. How many among us are comfortable working with SMDs? Who has the equipment to do it without ruining the board they are mounted on. With computerization, would any of us stand a chance understanding how a radio worked without being versed both in electronics and computer science? If you can't see what the program the processor is running looks like it falls into the realm of magic.

Mel
W8QO

31427. AW: AW: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 18:42:40 UTC
From: siegfried jackstien
Topic: 31408 Message: 31427

```
>
> Thank you, you brought up something I left out of my original email. I
> have tried ladder line to the radio room and relocated the homebrew balun
> behind my equipment with a 4' piece of RG8X and there was no difference in
> power output. I did not know that about my tuner though, thank you for
> that info. now to move ahead...

You have to use halfwave length of ladderline (or multiple of that) if you
wanna have a resonant system (only that is tune-able with your 757at)

And you have to make your dipole resonant on the band of interest

As I already said (wrote) ... your tuner can not handle a great mismatch

Dg9bfc

Sigi

>
> 73
> Terry
> kk4ixe
>
>
```

31428. Re: [ham-antennas] Need antenna help

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 18:47:48 UTC
From: Kenneth G. Gordon
Topic: 31408 Message: 31428

On 24 Feb 2014 at 7:25, kk4ixe@... wrote:

> my rig is 100watts output but only giving 10watts per my tuner P/O meter. radio
> P/0 meter is set for rev power and shows around 80watts being reflected. SWR is
> <1.5:1 on 20meters <3:1 on 40&80 meters with radio connected to a dummy load
> tuner power output is 80-90 watts and 0 on the radio P/O meter so the rig looks
> good.

I would agree with that.

> flatline matching section is +/-34' long and 450 ohm ladder line

I assume when you use the term "flatline" you MEAN the 450 ohm ladder line. Am
I correct?

> feedline
> is RG8X +/-20' long to the radio room Antenna center is 36' high and is
> operated as a dipole I feel the problem is with the homebrew balun but I do not
> know what to replace it with?

First of all, as someone else pointed out, that homebrew job is not a balun: it
is a common-mode choke, and I doubt that that is the problem.

> Or, Should I replace the entire antenna rig with
> something else. This was my first Hf setup after upgrading my licenses, I
> didn't have anyone to talk with or ask advice, it was self research all the
> way.

Most of us have been doing it that way for many years. At least I know I have.

Now, as someone else said, move your dummy load to the FAR end of the coax, and
take some more readings.

At this point, I suspect that the coax got water in it or is otherwise bad.

I think all other points have been pretty well covered.

Ken W7EKB

31429. Re: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 20:02:27 UTC
From: <jerrybosak@...>
Topic: 31147 Message: 31429

The Diamond V2000 was designed for use with the Yaesu FT 8900R transceiver.
It will operate on the FM portion of all 3 bands with less then 2:1 VSWR.
It is shorter then the Diamond X500 series and more versitile - does 3 bands.

I tried it with a old Radio Shack HTX 202 handheld radio and it was folding back enough that the HTX did not like it. I would say that it is the one basic solution for anyone wanting to do local comm's with a all in one antenna and a Yaesu 8900R..
No - it is not a beam antenna, but my experience with it has been adequate - making contacts up to 120 Miles away when the bands are open on 2 meters and making regular contacts up to 65 air miles away to repeaters in Western Pennsylvania - in challenging terrain to say the least.

The only experience I have had with the Comet was at a friends shack - it was a different location, I was not impressed with the Comets performance. I wouldn't turn down a free Comet, but I wouldn't buy one....
Communications is all about location, location, location.....l

31430. RE: Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 20:07:36 UTC
From: <jerrybosak@...>
Topic: 31205 Message: 31430

Your SWR is affected by the close proximity of the roof.
The whip is only for 6 meters, everything else is done with the radials on the side of the antenna.
2:1 is just fine for local work on the FM repeaters.

The Diamond Discone is more of a FM communications type antenna - good for public service radio - high VHF / 450 - 470 MHZ.

If the SWR is low at 145.000 MHz and is high at 148.00 - that would mean that the 2 meter radials were too long..
There should be like at least two - long radials - those are for the two meters side I believe. I wouldn't cut any of them...

Mount the antenna outside, and as far away from other antenna's and metallic objects in the neighborhood and try it again!

31431. RE: [ham-antennas] RE: Diamond discone Antenna swr problem

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 20:22:30 UTC
From: Ray, W4BYG
Topic: 31205 Message: 31431

If I understand the comments on "radials" below, there is a misunderstanding of what those elements are. They are not 2 meter radials. They are an important part of the discone design and are important for all frequencies above the lowest design frequency. Don't cut anything off of them.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jerrybosak@...
Sent: Monday, February 24, 2014 3:08 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Diamond discone Antenna swr problem

Your SWR is affected by the close proximity of the roof.
The whip is only for 6 meters, everything else is done with the radials on the side of the antenna.
2:1 is just fine for local work on the FM repeaters.

The Diamond Discone is more of a FM communications type antenna - good for public service radio - high VHF / 450 - 470 MHZ.

If the SWR is low at 145.000 MHz and is high at 148.00 - that would mean that the 2 meter radials were too long..
There should be like at least two - long radials - those are for the two meters side I believe. I wouldn't cut any of them...

Mount the antenna outside, and as far away from other antenna's and metallic objects in the neighborhood and try it again!

31432. RE: [ham-antennas] Re: magazines (and projects)

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 20:43:40 UTC
From: <hitekgearhead@...>
Topic: 31384 Message: 31432

Copy and pasted from my browser
http://www.instructables.com/ http://www.instructables.com/
Lots of fun projects related to everything and anything.
If the link doesn't work try a google/yahoo search.
-Albert

31433. RE: [ham-antennas] Rohn 25G tower question

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 22:02:46 UTC
From: Dave
Topic: 31423 Message: 31433

3/8 X 16 – Or it is on all of mine – 73 Dave

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of K7Max
Sent: Monday, February 24, 2014 10:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rohn 25G tower question

I need to know (without climbing the tower) what the bolt and thread size is for the top section “set screw” of a Rohn 25G. The Rohn specs identifies it as a “set screw” but it is actually a square or hex bolt welded to the top feed thru section. It is used to lock a fixed antenna mast to prevent turning in the wind.

Due to health reasons I can not climb anymore but I have a neighbor who has been climbing for me. I need to raise my hex beam/mast so that I can remove a Yaesu G450 rotor for repair or replacement. In order to do this I need to insert the correct size bolt to lock the mast. Next to last photo on http://qrz.com/db/K7MAX shows the Hex on a short side mounted Rohn 25.

Thanks in advance.

Max

K7max

Phoenix, AZ

http://www.maxsphotos.com/

<http://ts.msgtag.net/bdnAoy/xodElbBDf/xtd/Epxa/zl/jnaDxcEe.gif> MSGTAG <http://msgtag.com/?s=r> has notified k7max that this message has been read.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7121 - Release Date: 02/24/14

31434. Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-24 23:44:49 UTC
From: <jsternmd@...>
Topic: 31434 Message: 31434

I have seen portable 30-40' telescoping folding (horizontal to vertical) towers in 6-7 sections customized for use on a utility trailer. I need to keep the longest section below 7' in length so I figure I need 5-7 telescoping sections. Does anyone know of a company who makes a telescoping manual tower in such smaller sections?

thanks
jerry
K1JOS

31435. RE: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 00:08:45 UTC
From: KB3YRC
Topic: 31434 Message: 31435

I hope the two pix go through

Pennsylvania Emergency Management Agency (PEMA) PEMA Field ...

www.projectmanagement.state.pa.us/…al/server.pt/...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd@...
Sent: Monday, February 24, 2014 6:45 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

I have seen portable 30-40' telescoping folding (horizontal to vertical) towers in 6-7 sections customized for use on a utility trailer. I need to keep the longest section below 7' in length so I figure I need 5-7 telescoping sections. Does anyone know of a company who makes a telescoping manual tower in such smaller sections?

thanks
jerry
K1JOS

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

[Non-text portions of this message have been removed]

31436. RE: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 00:11:09 UTC
From: KB3YRC
Topic: 31434 Message: 31436

http://www.alumatower.com/new/trailertowers.html

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd@...
Sent: Monday, February 24, 2014 6:45 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

I have seen portable 30-40' telescoping folding (horizontal to vertical) towers in 6-7 sections customized for use on a utility trailer. I need to keep the longest section below 7' in length so I figure I need 5-7 telescoping sections. Does anyone know of a company who makes a telescoping manual tower in such smaller sections?

thanks
jerry
K1JOS

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http://www.avast.com

31437. RE: [ham-antennhttp://forums.qrz.com/showthread.php?299375-My-Crank-Up-Fold-Over-Tower-on-a-Traileras] Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 00:13:47 UTC
From: KB3YRC
Topic: 31437 Message: 31437

http://forums.qrz.com/showthread.php?299375-My-Crank-Up-Fold-Over-Tower-on-a-Trailer

Here’s one with a round pole

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd@...
Sent: Monday, February 24, 2014 6:45 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

I have seen portable 30-40' telescoping folding (horizontal to vertical) towers in 6-7 sections customized for use on a utility trailer. I need to keep the longest section below 7' in length so I figure I need 5-7 telescoping sections. Does anyone know of a company who makes a telescoping manual tower in such smaller sections?

thanks
jerry
K1JOS

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31438. Re: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 00:32:08 UTC
From: <radiomanl@...>
Topic: 31147 Message: 31438

I used a comet SB15 dual band (2/70) for years with no problems with the IC706MKIIG and I had it in 2 different trucks . never checked the SWR but the rig did not complain .
andrew
kd5pnt

31439. Re: Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 00:53:18 UTC
From: Jerry
Topic: 31434 Message: 31439

Thanks , I saw these before but the trailer and tower sections are quite long - the shortest section, nested length is 12' on a 15' trailer. I had seen one at a hamfest that was no more than 8' long on a trailer half the length.

73 Jerry
K1JOS

31440. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 03:11:02 UTC
From: Dale Miller
Topic: 31383 Message: 31440

On 2/24/2014 9:42 AM, Adrian Flynn wrote:
>
>
> Hi Albert,
>
> The point "I" want to make is that the code is very necessary in that
> when *TSHTF* you can count on code making it through when "*/_noise is
> _so high/ you can't *understand what is being said.
> Also a pulse signal has way more *POWER* that a SSB, AM, FM or any
> other type of signal.
>
> That is why there should be a Code requirement for ANY radio license
> including *Chicken Band & FRS!*
>
> I better find some asbestos and Kevlar armor now.
>
> 72/73
> Adrian KF7DYU
>

So PSK31 or RTTY won't do just as well as Morse Code???
I beg to differ and even though I got my extra by passing the code test
I for one don't see why CW wasn't dropped long before it was.
I seem to remember reading somewhere that we (Amateurs) were the last to
drop that requirement for getting a license.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

31441. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 03:35:19 UTC
From: Kenneth G. Gordon
Topic: 31383 Message: 31441

On 24 Feb 2014 at 21:11, Dale Miller wrote:

> So PSK31 or RTTY won't do just as well as Morse Code???

Can you "decode" PSK31 and/or RTTY in your head?

I doubt it.

All those "other" digital modes require non-human intervention in order to be of any use whatever.

MOST require a computer, which requires at least as much, if not more, power than a QRP CW rig. Ever seen an SMK-1? I have one. About the size of a pack of cigarettes. Works great on 8 AAA cells.

You are, quite simply, wrong.

Ken W7EKB
(First licensed in 1956- first used RTTY in 1960 - first microcomputer was in about 1970 when 1K of RAM cost $1500.00, and a 5MB HD was $4995.99 - still prefer CW)

31442. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 04:03:55 UTC
From: Dale Miller
Topic: 31383 Message: 31442

On 2/24/2014 9:35 PM, Kenneth G. Gordon wrote:
> On 24 Feb 2014 at 21:11, Dale Miller wrote:
>
>> So PSK31 or RTTY won't do just as well as Morse Code???
> Can you "decode" PSK31 and/or RTTY in your head?
>
> I doubt it.
>
> All those "other" digital modes require non-human intervention in order to be
> of any use whatever.
>
> MOST require a computer, which requires at least as much, if not more, power
> than a QRP CW rig. Ever seen an SMK-1? I have one. About the size of a pack of
> cigarettes. Works great on 8 AAA cells.
>
> You are, quite simply, wrong.
>
>

PSK31 doesn't need a computer.
< http://www.nue-psk.com/doc/NUE-PSKarticle(A4).pdf >
< http://www.nue-psk.com/ >

I got news my point is that PSK31 and RTTY will get through the noise
and needs very litte power just like CW.
I have decoded PSK31 with almost no signal.
I could barely hear the phase shift in my speaker but my computer was
picking up the signal anyway.

I Beg to differ

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

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--

31443. Re: [ham-antennas] "Other" digital modes.

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 04:39:37 UTC
From: Kenneth G. Gordon
Topic: 31383 Message: 31443

On 24 Feb 2014 at 22:03, Dale Miller wrote:

> PSK31 doesn't need a computer.

"...doesn't need a computer..."

OK. That means you can listen to a PSK31 signal and "read" it by ear/brain? Or a RTTY signal? Gee! That's impressive!

> I got news my point is that PSK31 and RTTY will get through the noise

Not so much, in my experience....

> and needs very litte power just like CW.

I would agree, somewhat, concerning PSK31, but most definitely not RTTY. Its bandwidth is at least 17 times a decent CW signal, 170 Hz vs 10 Hz, and every RTTYer I have ever heard about runs well over QRP levels of power.

Most don't run as little as 170 Hz shift either. Whenever the RTTYers have their bi-weekly "contests" the rest of us just shut our rigs off and go read a book because they completely clobber the entire digital spectrum.

> I have decoded PSK31 with almost no signal.
> I could barely hear the phase shift in my speaker but my computer

"...but my computer...."

So which is it? Needs or doesn't need?

> was
> picking up the signal anyway.

Uh, huh....

> I Beg to differ

About what?

Sorry, you just proved my point. You cannot use either PSK31 or RTTY (or any other "other" digital mode, for that matter) without some sort of non-human intervention for the purposes of translation.

I contend that you're wrong, and that you've just proved my contention.

I further contend that CW will always have a use because it can get through when nothing else can, and with an absolute minimum of equipment and power to boot.

BTW, have you ever watched the movie "Independence Day" ? Hee hee! :-)

Ken W7EKB

31444. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 05:48:13 UTC
From: Richard Solomon
Topic: 31383 Message: 31444

That's not quite true about RTTY. You can recognize words and calls, but it takes a lot more practise than CW.

73, Dick, W1KSZ

On Mon, Feb 24, 2014 at 8:35 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

>
>
> On 24 Feb 2014 at 21:11, Dale Miller wrote:
>
> > So PSK31 or RTTY won't do just as well as Morse Code???
>
> Can you "decode" PSK31 and/or RTTY in your head?
>
> I doubt it.
>
> All those "other" digital modes require non-human intervention in order to
> be
> of any use whatever.
>
> MOST require a computer, which requires at least as much, if not more,
> power
> than a QRP CW rig. Ever seen an SMK-1? I have one. About the size of a
> pack of
> cigarettes. Works great on 8 AAA cells.
>
> You are, quite simply, wrong.
>
> Ken W7EKB
> (First licensed in 1956- first used RTTY in 1960 - first microcomputer was
> in
> about 1970 when 1K of RAM cost $1500.00, and a 5MB HD was $4995.99 - still
> prefer CW)
>
>

31445. Re: [ham-antennas] "Other" digital modes.

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 05:52:16 UTC
From: Richard Solomon
Topic: 31383 Message: 31445

You have bandwidth and shift confused, two entirely different actions.

Timewave used to make a neat dual audio DSP that allowed you to
center one on Mark and the other on Space. You could narrow them
both down to 50Hz. In fact, guys could hold CW Q's in between and
they would never bother you.

73, Dick, W1KSZ

On Mon, Feb 24, 2014 at 9:39 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

>
>
> On 24 Feb 2014 at 22:03, Dale Miller wrote:
>
> > PSK31 doesn't need a computer.
>
> "...doesn't need a computer..."
>
> OK. That means you can listen to a PSK31 signal and "read" it by
> ear/brain? Or
> a RTTY signal? Gee! That's impressive!
>
> > I got news my point is that PSK31 and RTTY will get through the noise
>
> Not so much, in my experience....
>
> > and needs very litte power just like CW.
>
> I would agree, somewhat, concerning PSK31, but most definitely not RTTY.
> Its
> bandwidth is at least 17 times a decent CW signal, 170 Hz vs 10 Hz, and
> every
> RTTYer I have ever heard about runs well over QRP levels of power.
>
> Most don't run as little as 170 Hz shift either. Whenever the RTTYers have
> their bi-weekly "contests" the rest of us just shut our rigs off and go
> read a
> book because they completely clobber the entire digital spectrum.
>
> > I have decoded PSK31 with almost no signal.
> > I could barely hear the phase shift in my speaker but my computer
>
> "...but my computer...."
>

> So which is it? Needs or doesn't need?
>
> > was
> > picking up the signal anyway.
>
> Uh, huh....
>
> > I Beg to differ
>
> About what?
>
> Sorry, you just proved my point. You cannot use either PSK31 or RTTY (or
> any
> other "other" digital mode, for that matter) without some sort of
> non-human
> intervention for the purposes of translation.
>
> I contend that you're wrong, and that you've just proved my contention.
>
> I further contend that CW will always have a use because it can get
> through
> when nothing else can, and with an absolute minimum of equipment and power
> to
> boot.
>
> BTW, have you ever watched the movie "Independence Day" ? Hee hee! :-)
>
> Ken W7EKB
>
>

31446. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 06:01:59 UTC
From: Kenneth G. Gordon
Topic: 31383 Message: 31446

On 24 Feb 2014 at 22:48, Richard Solomon wrote:

> That's not quite true about RTTY. You can recognize words and calls, but it
> takes a lot more practise than CW.

I didn't say it couldn't be done: I said I doubt that he could do it. I know I can't...yet.

In fact, Bill Smith W7GHT who died recently in Boise, Idaho, during WWII taught Army radio ops to "read" 60 WPM RTTY and refused to graduate them until they could.

I think his top speed at copying CW was around 100 WPM. He used a mill. I know it was impossible for me to send too fast for him to copy 100%, and I tried.

Ken W7EKB

31447. Re: [ham-antennas] "Other" digital modes.

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 06:19:17 UTC
From: Kenneth G. Gordon
Topic: 31383 Message: 31447

On 24 Feb 2014 at 22:52, Richard Solomon wrote:

> You have bandwidth and shift confused,

No. I don't.

> two entirely different actions.

Not actions: parameters. Yes.

> Timewave used to make a neat dual audio DSP that allowed you to
> center one on Mark and the other on Space. You could narrow them
> both down to 50Hz.

Which is still 5 times wider, for each, than a single CW signal. So 50 Hz + 50 Hz = 100 Hz, and 120 Hz left over for 10 CW signals between them at 170 Hz shift...or 5 at 110Hz shift.

> In fact, guys could hold CW Q's in between and
> they would never bother you.

OK,. but the ultimate bandwidth was still that which BOTH the mark and space take up, plus the "band" between them. Besides, name me more than one RTTYer who would have made it possible for a CW station to hold a QSO in between his mark and space, unless it had been pre-arranged.

In the case of 110 Hz shift, that would be 50 Hz (25 on each end) plus 110 Hz (between their centers) = 135 Hz bandwidth for a 110 Hz-shift RTTY signal.

BTW, I thought this forum was about antennas...

Ken W7EKB

31448. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 06:45:20 UTC
From: Tony Magon
Topic: 31383 Message: 31448

Hi all

When I was an R/O in the Royal NZ Navy back in 60s/70s, I could id whether the speed was 50 or 75 baud and also id it was offline or not.

73

Tony VK2IC

On Tue, Feb 25, 2014 at 4:48 PM, Richard Solomon <dickw1ksz@...>wrote:

>
>
> That's not quite true about RTTY. You can recognize words and calls, but
> it
> takes a lot more practise than CW.
>
> 73, Dick, W1KSZ
>
>
> On Mon, Feb 24, 2014 at 8:35 PM, Kenneth G. Gordon <
> kgordon2006@...> wrote:
>
>>
>>
>> On 24 Feb 2014 at 21:11, Dale Miller wrote:
>>
>> > So PSK31 or RTTY won't do just as well as Morse Code???
>>
>> Can you "decode" PSK31 and/or RTTY in your head?
>>
>> I doubt it.
>>
>> All those "other" digital modes require non-human intervention in order
>> to be
>> of any use whatever.
>>
>> MOST require a computer, which requires at least as much, if not more,
>> power
>> than a QRP CW rig. Ever seen an SMK-1? I have one. About the size of a
>> pack of
>> cigarettes. Works great on 8 AAA cells.
>>
>> You are, quite simply, wrong.
>>
>> Ken W7EKB

```
>> (First licensed in 1956- first used RTTY in 1960 - first microcomputer
>> was in
>> about 1970 when 1K of RAM cost $1500.00, and a 5MB HD was $4995.99 -
>> still
>> prefer CW)
>>
>
>
>
```

31449. Bandwidth defined.

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 07:03:47 UTC
From: Kenneth G. Gordon
Topic: 31449 Message: 31449

According to the ITU, the "Necessary Bandwidth" for a 60 or 66 WPM RTTY signal at "100% duty cycle" is 270Hz. at 170 Hz. shift.

According to W8JI (whose definition of bandwidth is somewhat....unusual) "The bandwidth of a typical CW signal depends (soley) on the shape of the keying waveform"

Neither one of these "definitions" are completely satisfactory to me.

Now, to return to your regularly scheduled program: Ham Antennas!

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31450. Re: [ham-antennas] "Other" digital modes.

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 11:16:39 UTC
From: Dale Miller
Topic: 31383 Message: 31450

On 2/24/2014 10:39 PM, Kenneth G. Gordon wrote:
> On 24 Feb 2014 at 22:03, Dale Miller wrote:
>
>> PSK31 doesn't need a computer.
> "...doesn't need a computer..."
>
> OK. That means you can listen to a PSK31 signal and "read" it by ear/brain? Or
> a RTTY signal? Gee! That's impressive!

Never said that or inferred that either

>> I got news my point is that PSK31 and RTTY will get through the noise
> Not so much, in my experience....
>
>> and needs very litte power just like CW.
> I would agree, somewhat, concerning PSK31, but most definitely not RTTY. Its
> bandwidth is at least 17 times a decent CW signal, 170 Hz vs 10 Hz, and every
> RTTYer I have ever heard about runs well over QRP levels of power.
>
> Most don't run as little as 170 Hz shift either. Whenever the RTTYers have
> their bi-weekly "contests" the rest of us just shut our rigs off and go read a
> book because they completely clobber the entire digital spectrum.

Then they don't know what there doing.
I used RTTY in the Army back before they remove RATT rigs from service
(which was after I got out) and we didn't use that much spectrum.

>> I have decoded PSK31 with almost no signal.
>> I could barely hear the phase shift in my speaker but my computer
> "...but my computer...."
>
> So which is it? Needs or doesn't need?

Never said it didn't need some form of intervention. Just because I can
hear the phase shift doesn't mean I was trying to understand it.

>
>> was
>> picking up the signal anyway.
> Uh, huh....
>
>> I Beg to differ
> About what?
>
> Sorry, you just proved my point. You cannot use either PSK31 or RTTY (or any
> other "other" digital mode, for that matter) without some sort of non-human

> intervention for the purposes of translation.
>
> I contend that you're wrong, and that you've just proved my contention.
>
> I further contend that CW will always have a use because it can get through
> when nothing else can, and with an absolute minimum of equipment and power to
> boot.
>
> BTW, have you ever watched the movie "Independence Day" ? Hee hee! :-)
>
> Ken W7EKB
>
>

Never said CW didn't have it's place. My point is there are other modes
that work just as well.
There are a lot of modes for any Amateur to choose from.
So I have to agree why test for one mode to be able to get a license.

Of course the above is mute considering we don't anymore.
I"m not a CW guy so it doesn't matter to me but doesn't mean I don't
know the code.
And even if I didn't know the code that makes me a lesser ham?????

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

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31451. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 15:03:35 UTC
From: Bob Richie
Topic: 31451 Message: 31451

This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather than bipolar.

Bob
K5YB
Kerrville, TX 78028

31452. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 15:16:41 UTC
From: NICK LERRO
Topic: 31451 Message: 31452

Bob
Your absolutely right this gone tooooooooo ffaaarrrrrr what kind of moderators run this site, they would delete this post before those the have nothing to do with antennas!!!!!
Well Bob in this case a Bipolor antenna belongs here.
Keep smiling
73 de w3nrl
Nick
From: Bob Richie
Sent: Tuesday, February 25, 2014 10:03 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] (unknown)

This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather than bipolar.

Bob
K5YB
Kerrville, TX 78028

31453. RE: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 15:39:48 UTC
From: Gary H. Harmon, Jr.
Topic: 31451 Message: 31453

As one of the moderators, I let some subjects run their course and most die a short lived death. If the postings get out of control, we will step in and stop the discussions. Unfortunately, not all may agree with our procedures.

Vr,

Gary H. Harmon, Jr. - K5JWK - Moderator

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

"Retirement means every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob Richie
Sent: Tuesday, February 25, 2014 9:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] (unknown)

This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather than bipolar.

Bob
K5YB
Kerrville, TX 78028

31454. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 15:57:36 UTC
From: Joe - W7RKN
Topic: 3744 Message: 31454

As an owner and moderator of various large ham related Groups, I too, do the exact same thing as Gary...let the 'excursions' run their course...it is rare that they last any great time and soon are replaced with other topics.

My take, is if one doesn't care for a topic, simply delete it and move on.

Joe Wolfe - W7RKN
----- Original Message -----
From: Gary H. Harmon, Jr.
To: ham-antennas@yahoogroups.com
Sent: Tuesday, February 25, 2014 7:39 AM
Subject: RE: [ham-antennas] (unknown)

As one of the moderators, I let some subjects run their course and most die a short lived death. If the postings get out of control, we will step in and stop the discussions. Unfortunately, not all may agree with our procedures.

Vr,

Gary H. Harmon, Jr. - K5JWK - Moderator

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

"Retirement means every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob Richie
Sent: Tuesday, February 25, 2014 9:04 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] (unknown)

This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather than bipolar.

Bob
K5YB
Kerrville, TX 78028

31455. No Subject Headers ...

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 16:33:48 UTC
From: WD8ARZ
Topic: 31451 Message: 31455

Glad we have moderators that maintain a goal for the purpose of a forum. Other forums can be set up for other topics.

Me, I even take it a step further or two ....

All subject header messages are deleted with out being read or added to the archive maintained here. When searching for topics of interests, subjects are required.

Threads that have been hijacked into topics that dont represent the topic anymore, are treated the same way.

Persistent offenders are put into an email deleting / blacklist / bouncing program for that user, so no further messages are received by that user ....

A separate program is ran that looks at all email messages on the server 'before' downloading into my mail program. That keeps my mail program free of problem emails and abusers.

Note: All emails to me personally on this subject will have my reply to include this group forum.

73 from Bill - WD8ARZ

31456. AW: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 17:14:15 UTC
From: siegfried jackstien
Topic: 31434 Message: 31456

Here in dl I know a VERY good company

http://www.frick-geraetebau.de/

from smaller telescopic poles to really big towers

round shape (telescopic push up pole)

or SQUARE ... with built-in winch for pushing out and retracting

biggest one is about 90 feet

so a 30 to 40 feet is an easy thing for that company

dg9bfc

sigi

ps ... not a cheap thing ... but maybe you can borrow some ideas from the pictures

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jsternmd@...
> Gesendet: Montag, 24. Februar 2014 23:45
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10
> trailer
>
>
>
> I have seen portable 30-40' telescoping folding (horizontal to vertical)
> towers in 6-7 sections customized for use on a utility trailer. I need to
> keep the longest section below 7' in length so I figure I need 5-7
> telescoping sections. Does anyone know of a company who makes a
> telescoping manual tower in such smaller sections?
>
> thanks
> jerry
> K1JOS
>
>

31457. AW: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 17:40:57 UTC
From: siegfried jackstien
Topic: 31147 Message: 31457

You should check ALL connections in the stacked antenna design

ALL (and I REALLY MEAN ALL) manufacturers make nice stacked antennas where the parts are just crimped together (and some are wiggling even when brandnew!!)

Solder them together

Maybe adding a small wire bridge (also soldered) across the connection point

Just make the design a bit more "sturdy"

I looked in comet, diamond and many "no-name" antennas (clones of the original) ... and ALL SHOW THE SAM THING

When brand new and all contacts are shiny then the antenna works superb ... but after a while when the wiggling contact areas are corroded ...then sometimes the antenna works and sometimes not (swr is jumping all over the place on a windy day)

And as I already wrote ... that is in ALL antennas that are built that way (stacked dual or tribander) regardless if it is a clone or an original

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jerrybosak@...
> Gesendet: Montag, 24. Februar 2014 20:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] RE: Comparing GP-15 and V2000 antennas
>
>
>
> The Diamond V2000 was designed for use with the Yaesu FT 8900R
> transceiver.
> It will operate on the FM portion of all 3 bands with less then 2:1 VSWR.
> It is shorter then the Diamond X500 series and more versitile - does 3
> bands.
>
> I tried it with a old Radio Shack HTX 202 handheld radio and it was
> folding back enough that the HTX did not like it. I would say that it is
> the one basic solution for anyone wanting to do local comm's with a all in
> one antenna and a Yaesu 8900R..
> No - it is not a beam antenna, but my experience with it has been adequate

> - making contacts up to 120 Miles away when the bands are open on 2 meters
> and making regular contacts up to 65 air miles away to repeaters in
> Western Pennsylvania - in challenging terrain to say the least.
>
> The only experience I have had with the Comet was at a friends shack - it
> was a different location, I was not impressed with the Comets performance.
> I wouldn't turn down a free Comet, but I wouldn't buy one....
> Communications is all about location, location, location.....l
>
>

31458. Thank you

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 18:58:40 UTC
From: <kk4ixe@...>
Topic: 584 Message: 31458

I received several replies regarding my previous post about having problems with my G5RV and reflected power. I found several things wrong, first I had to clear the memory from my antenna tuner, according to the manual this should be done if tuning issues occur. Second my matching section had gotten wind blown behind the mast and was lying against aluminum siding. After doing these two things and going back through the antenna tuner set up my system looked much better. Around 80watts output with no measurable reflected power. From the mtn of western NC I talked with an ARRL station in western mich., and talked on a 40M net from the gulf coast of fla. into the DC area with a SWR of around 2:1. I am sure there is more to be done but thanks to your input I am moving in the right direction.
Thanks
Terry
kk4ixe

31459. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 19:23:17 UTC
From: DVC3565@...
Topic: 3744 Message: 31459

It is nice to see moderator's that use common sense. Something we have seem to have lost in this country. Sorry if my comments to other comments offended anyone. At least we didn't discuss "chicken band" stuff, or political, or religious items. Just ham radio stuff.
Seems today...anything you could say offends someone. Apologies to the great state of Texas, where everything is BIG. (Even Ego's & ruffled feathers.)
Something's will NEVER change!

73,
Dave-KJ4PF

In a message dated 2/25/2014 10:57:47 A.M. Eastern Standard Time, w7rkn.7@... writes:

As an owner and moderator of various large ham related Groups, I too, do the exact same thing as Gary...let the 'excursions' run their course...it is rare that they last any great time and soon are replaced with other topics.

My take, is if one doesn't care for a topic, simply delete it and move on.

Joe Wolfe - W7RKN

As one of the moderators, I let some subjects run their course and most die a short lived death. If the postings get out of control, we will step in and stop the discussions. Unfortunately, not all may agree with our procedures.

Vr,

Gary H. Harmon, Jr. - K5JWK - Moderator
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549h / 210.884.6926c/t
"Retirement means every day is a Saturday except Sunday"
http://www.grissomroadcoc.org

This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather

than bipolar.

Bob
K5YB
Kerrville, TX 78028

31460. Re: [ham-antennas] Radio Amateur Publication

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 19:25:53 UTC
From: JOHN VERMILYEA
Topic: 31383 Message: 31460

Don't hold your breath for CB or FRS. I have heard this CW "discussion" since the 60s, one group saying that if we dropped the code it will turn Amateurs into brain-dead zombies or that CW was one step from the second coming. The bands are big enough for the CW people to operate, I am just not one of them. The last time I used CW was to get my Tech Plus..

John V
K3YS

On Tuesday, February 25, 2014 1:45 AM, Tony Magon <temagon@...> wrote:

Hi all

When I was an R/O in the Royal NZ Navy back in 60s/70s, I could id whether the speed was 50 or 75 baud and also id it was offline or not.

73

Tony VK2IC

On Tue, Feb 25, 2014 at 4:48 PM, Richard Solomon <dickw1ksz@...> wrote:

>
>That's not quite true about RTTY. You can recognize words and calls, but it
>takes a lot more practise than CW.
>
>73, Dick, W1KSZ
>
>
>
>
>On Mon, Feb 24, 2014 at 8:35 PM, Kenneth G. Gordon <kgordon2006@...> wrote:
>
>
>>
>>On 24 Feb 2014 at 21:11, Dale Miller wrote:
>>
>>> So PSK31 or RTTY won't do just as well as Morse Code???
>>
>>Can you "decode" PSK31 and/or RTTY in your head?
>>
>>I doubt it.
>>
>>All those "other" digital modes require non-human intervention in order to be
>>of any use whatever.
>>
>>MOST require a computer, which requires at least as much, if not more, power
>>than a QRP CW rig. Ever seen an SMK-1? I have one. About the size of a pack of

>>cigarettes. Works great on 8 AAA cells.
>>
>>You are, quite simply, wrong.
>>
>>Ken W7EKB
>>(First licensed in 1956- first used RTTY in 1960 - first microcomputer was in
>>about 1970 when 1K of RAM cost $1500.00, and a 5MB HD was $4995.99 - still
>>prefer CW)
>>
>

31461. Re: [ham-antennas] Thank you

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 19:26:08 UTC
From: Kenneth G. Gordon
Topic: 584 Message: 31461

On 25 Feb 2014 at 10:58, kk4ixe@... wrote:

> I received several replies regarding my previous post about having problems with
> my G5RV and reflected power. I found several things wrong, first I had to clear
> the memory from my antenna tuner, according to the manual this should be done if
> tuning issues occur. Second my matching section had gotten wind blown behind the
> mast and was lying against aluminum siding. After doing these two things and
> going back through the antenna tuner set up my system looked much better. Around
> 80watts output with no measurable reflected power. From the mtn of western NC I
> talked with an ARRL station in western mich., and talked on a 40M net from the
> gulf coast of fla. into the DC area with a SWR of around 2:1. I am sure there is
> more to be done but thanks to your input I am moving in the right direction.
> Thanks Terry kk4ixe

"Ya done good, Kid". Carry on. We will be listening/watching.

vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31462. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 19:29:52 UTC
From: JOHN VERMILYEA
Topic: 3744 Message: 31462

I don't ever remember hearing a dipole called a bipolar.

John V
K3YS

On Tuesday, February 25, 2014 10:57 AM, Joe - W7RKN <w7rkn.7@...> wrote:

As an owner and moderator of various large ham
related Groups, I too, do the exact same thing as Gary...let the 'excursions'
run their course...it is rare that they last any great time and soon are
replaced with other topics.

My take, is if one doesn't care for a topic, simply
delete it and move on.

Joe Wolfe - W7RKN
----- Original Message -----
>From: Gary H. Harmon, Jr.
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, February 25, 2014 7:39 AM
>Subject: RE: [ham-antennas] (unknown)
>
>
>As one of the moderators, I let some subjects run their course and most die a short lived
death. If the postings get out of control, we will step in and stop the discussions.
Unfortunately, not all may agree with our procedures.
>
>Vr,
>
>Gary H. Harmon, Jr. - K5JWK - Moderator
>6003 Archwood
>San Antonio, TX 78239-1504
>210.657.1549h / 210.884.6926c/t
>
>"Retirement means every day is a Saturday except Sunday"
>http://www.grissomroadcoc.org
>
>
>From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bob
Richie
>Sent: Tuesday, February 25, 2014 9:04 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] (unknown)
>
>
>This is a forum on ham antennas. I'm disappointed that the moderators have not stepped in

and removed the postings on non-antenna related subjects like remorse over not having the privilege of going to the privy at 20 below, or walking across the room to change the channel on the TV, or adjusting the spark advance while going up hill in the Model A, or getting this via snail mail vs e-mail. Let's talk about why dipoles are called dipoles rather than bipolar.
>
>Bob
>K5YB
>Kerrville,
TX 78028

31463. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 20:52:29 UTC
From: Dale Miller
Topic: 31451 Message: 31463

On 2/25/2014 9:03 AM, Bob Richie wrote:
>
>
> This is a forum on ham antennas. I'm disappointed that the moderators
> have not stepped in and removed the postings on non-antenna related
> subjects like remorse over not having the privilege of going to the
> privy at 20 below, or walking across the room to change the channel on
> the TV, or adjusting the spark advance while going up hill in the
> Model A, or getting this via snail mail vs e-mail. Let's talk about
> why dipoles are called dipoles rather than bipolar.
> Bob
> K5YB
> Kerrville, TX 78028

Because there is nothing in the rules of this group to stop it.
Did you not get the rules when you joined?

Here they are.

" OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is
prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS
will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over
onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the
transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the
Moderators, because public postings may likely result in penalties as above.
!!!!
12. Use common sense. If you would be hurt or upset if you received what
you are about to send, and you are intentionally meaning to do that,
DON'T DO
IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more. "

Per number 13 doesn't stop other discussion unless you violate the other 12 rules.

--
All the Best & 73's
Dale Miller, KC2CBD
Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

31464. Re: [ham-antennas] Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 22:26:42 UTC
From: Scott McDonald
Topic: 31434 Message: 31464

Jerry, have you looked at Wil-Burt?

I have a 24 footer they make that's about 6 foot folded down, and it goes up manually and spec'd to carry a little over a 20 pound load.

They are expensive, but turn up used, mine came from a broadcast station that used it for remotes.

Nice stuff if you can find it.

Good luck, like ur project,

73 Scott

Make something good happen!

On Feb 24, 2014, at 5:44 PM, <jsternmd@...> wrote:

>
>
> I have seen portable 30-40' telescoping folding (horizontal to vertical) towers in 6-7 sections customized for use on a utility trailer. I need to keep the longest section below 7' in length so I figure I need 5-7 telescoping sections. Does anyone know of a company who makes a telescoping manual tower in such smaller sections?
>
> thanks
> jerry
> K1JOS
>
>

31465. EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-25 23:51:36 UTC
From: Scott Souva
Topic: 31465 Message: 31465

Does anyone have an EZNEC example file for a fan dipole they can share? I want to play around with different wire lengths, but don’t know how to add the second set of wires to the source.
73 de KG2S,
Scott

31466. RE: AW: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 00:05:41 UTC
From: <p_chap@...>
Topic: 31147 Message: 31466

A good word of caution to pass along Sigi. I will add to this and say the same is true for manufactured wire antennas. The fine print on double bazookas and "Mystery Antennas" state to hang them in an inverted vee configuration. The reason is that close inspection and common sense will tell you that they will break otherwise. No way, I have the room, I want horizontal, and there is a fix that works very well for me until I cycle them out and have 100% home made. Although from different respected companies, they all had sealed tubular center insulators with an external SO-239.

Step 1. Wrap with Press and Seal food wrap. It is thick and holds well. This also keeps the insulator clean if you have to remove the coverings later.

Step 2. Run a length of black Dacron rope across the insulator and about three inches of the antenna legs. Wrap the rope, insulator, and three inches of rope on the antenna legs with 20-30 lb test braided Spiderwire fishing line. It is very thin, and this will take a bit of time but time well spent.

Step 3. Add coax seal and a layer of quality tape. If you do not live in an HOA neighborhood, add a layer of PINK liquid tape to help with those after storm midnight inspections. Using the quarter inch rope, you have just upgraded the center insulator internal connections to a 900 lb break strength. If the tree does not fall or the pulleys break, the antenna is there until you want it down.

31467. RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 02:20:24 UTC
From: <p_chap@...>
Topic: 31465 Message: 31467

Hi Scott:
Hopefully you can get an answer on your question. I sincerely hope you do not mind me adding a few more questions to yours, as I am going to do one as well soon.

I suck at EZNEC, but could you define your version a bit more? In the past I have done a plus sign single feed where all four elements are at 90 degree angles. I have been told that qualifies as a fan, although I just considered it a multi-leg dipole. I see a fan dipole as one with multiple legs run parallel and a single feed. I'll throw up some points on what I know and what I do not know. Maybe we will get further comment. I say that because I have a pile of PVC, a lot of wire, and a lot of rope and pulleys to use. I am looking at a three or four band flavor.
From what I have read, a quality 1:1 balun for the center connections is essential. Never buy those $30 baluns. I am still ticked from 3 years ago and learned my lesson. The trouble that thing caused when it fried far outweighed the extra $40 including shipping to get quality. Balun Designs is one of the good sources and they answer the phone. DX Engineering and others also good. If the elements are parallel, the antenna will become heavy and will need center support. In addition, if using a quality balun as the center insulator, it will have a bottom drain hole and will need to stay properly oriented up and down to drain properly.

I have read to always build one band at a time starting with the lowest band working your way to the highest band and leave some twist back slack and do not solder the ends until all bands are completed, as you may have to back track.
I have read in a parallel configuration, spacing elements through the PVC is important, although I have found no consensus on a sweet spot. I could make it almost anything needed for a sweet spot and paint it pink as there is no HOA to deal with.
I have read using insulated antenna wire is desirable to avoid any effect of water interaction that could occur at the pass-thru holes in the PVC. I have a couple hundred feet I bought from Wireman a while back. Using insulated antenna wire does affect the generally accepted length for the elements.
A sacrificial rope to mount a pulley in the trees highly recommended as the antenna will be up and down a few times. I currently have two antennas up with the ropes grown into the trees. When they die it will suck to be me.

I have also read good SWR bandwidth will narrow as more band legs are added to a fan dipole.

Antenna Analyzer.....the right one makes the job easier and worth the investment. Rig Expert makes a few dandies. The AA-54 and higher number models can take a single feed antenna and with simple software, an input of up to five frequency ranges, i.e. fan dipole, and in seconds give you the SWR for all five freq ranges and more. The 54 model and higher has internal storage and interfaces to MAC, Windows, and Linux on a PC or laptop. I do not work for them, but I love the product.

31468. Re: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 02:46:38 UTC
From: Mr Wilton
Topic: 31465 Message: 31468

Good luck with that one.
I found it very tough going after adding the third fan.
Calcs become difficult as does the real life swr.
I am keen to see also. If anyone has.

Simon VA3SII G7HCD Woodstock Ontario

31469. Re: [ham-antennas] Re: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 03:22:23 UTC
From: Original Woodchuck
Topic: 31465 Message: 31469

On Tue, Feb 25, 2014 at 09:46:38PM -0500, Mr Wilton wrote:
> Good luck with that one.
> I found it very tough going after adding the third fan.
> Calcs become difficult as does the real life swr.
> I am keen to see also. If anyone has.
>
> Simon VA3SII G7HCD Woodstock Ontario

It can get tense if you add the 3rd harmonic antenna by mistake or intention. Also some say the various dipoles should be well spaced apart from one another. What "well spaced" means, I'm not too sure anymore.

Dave AB3NR

31470. Re: AW: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 05:19:51 UTC
From: Geoff NW7GM
Topic: 31147 Message: 31470

I guess that is one advantage the GP-15 has, it's a single piece vertical element with three horizontal elements that screw into the base.

Geoff, NW7GM
Seattle, WA
CN87tr
On Feb 25, 2014 9:43 AM, "siegfried jackstien" <
siegfried.jackstien@...> wrote:

>
>
> You should check ALL connections in the stacked antenna design
>
> ALL (and I REALLY MEAN ALL) manufacturers make nice stacked antennas where
> the parts are just crimped together (and some are wiggling even when
> brandnew!!)
>
> Solder them together
>
> Maybe adding a small wire bridge (also soldered) across the connection
> point
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> Just make the design a bit more "sturdy"
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> I looked in comet, diamond and many "no-name" antennas (clones of the
> original) ... and ALL SHOW THE SAM THING
>
> When brand new and all contacts are shiny then the antenna works superb ...
> but after a while when the wiggling contact areas are corroded ...then
> sometimes the antenna works and sometimes not (swr is jumping all over the
> place on a windy day)
>
> And as I already wrote ... that is in ALL antennas that are built that way
> (stacked dual or tribander) regardless if it is a clone or an original
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von jerrybosak@...
> > Gesendet: Montag, 24. Februar 2014 20:02
> > An: ham-antennas@yahoogroups.com

> > Betreff: Re: [ham-antennas] RE: Comparing GP-15 and V2000 antennas
> >
> >
> >
> > The Diamond V2000 was designed for use with the Yaesu FT 8900R
> > transceiver.
> > It will operate on the FM portion of all 3 bands with less then 2:1 VSWR.
> > It is shorter then the Diamond X500 series and more versitile - does 3
> > bands.
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> > I tried it with a old Radio Shack HTX 202 handheld radio and it was
> > folding back enough that the HTX did not like it. I would say that it is
> > the one basic solution for anyone wanting to do local comm's with a all
> in
> > one antenna and a Yaesu 8900R..
> > No - it is not a beam antenna, but my experience with it has been
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> > - making contacts up to 120 Miles away when the bands are open on 2
> meters
> > and making regular contacts up to 65 air miles away to repeaters in
> > Western Pennsylvania - in challenging terrain to say the least.
> >
> > The only experience I have had with the Comet was at a friends shack - it
> > was a different location, I was not impressed with the Comets
> performance.
> > I wouldn't turn down a free Comet, but I wouldn't buy one....
> > Communications is all about location, location, location.....l
> >
> >
>
>
>

31471. Re: [ham-antennas] No Subject Headers ...

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 05:38:47 UTC
From: Adrian Flynn
Topic: 31451 Message: 31471

Hi Bill,

If I get a message with no subject header I mark it as *Spam* and report
and delete it without question.

I just don't trust them after having been hit from them 2 times.

72/73
Adrian KF7DYU

On Tue, Feb 25, 2014 at 11:33 AM, WD8ARZ <wd8arz@...> wrote:

>
>
> Glad we have moderators that maintain a goal for the purpose of a forum.
> Other forums can be set up for other topics.
>
> Me, I even take it a step further or two ....
>
> All subject header messages are deleted with out being read or added to
> the archive maintained here. When searching for topics of interests,
> subjects are required.
>
> Threads that have been hijacked into topics that dont represent the
> topic anymore, are treated the same way.
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> Persistent offenders are put into an email deleting / blacklist /
> bouncing program for that user, so no further messages are received by
> that user ....
>
> A separate program is ran that looks at all email messages on the server
> 'before' downloading into my mail program. That keeps my mail program
> free of problem emails and abusers.
>
> Note: All emails to me personally on this subject will have my reply to
> include this group forum.
>
> 73 from Bill - WD8ARZ
>
>
>

31472. Re: [ham-antennas] No Subject Headers ... Excellent Point!

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 12:44:14 UTC
From: WD8ARZ
Topic: 31451 Message: 31472

Good point, very excellent point your making Adrian .... and thanks for your support. Have blocked out three or four users in this group in last couple of days that still continued to do the no subject header even after discussing the problem with doing it ... thats ok, less spam is a good thing! hi Hi HI

Of course, much appreciation to the moderators, as this is a great group, and no sense in letting the few mess it up.

Bill

On 2/26/2014 12:38 AM, Adrian Flynn wrote:
>
>
> Hi Bill,
>
> If I get a message with no subject header I mark it as *Spam* and
> report and delete it without question.
>
> I just don't trust them after having been hit from them 2 times.
>
> 72/73
> Adrian KF7DYU
>

31473. RE: AW: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 14:39:12 UTC
From: <email4utoo@...>
Topic: 31147 Message: 31473

Great advice PCHAPMAN, but i am trying to get my head around your description, pics would be very helpful, (yah i am not suggesting you take your Antenna down , lol), but how do you attach the Rope with the Spider Fish line together when wrapped ? IS the Dacron Rope at leg ends also wound or just run length wise then wound /wrapped with spider fishline ? Thanks because i am just about to put up my First OFC ,(off center fed), wire Antenna in over 40yrs ! lol Just got my Ticket again , and having fun setting up the Shack, all used stuff but it will be good enough . 73s AJ KF5ZYB in the OZARKS

31474. RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 14:57:39 UTC
From: <radiomanl@...>
Topic: 31465 Message: 31474

I built a 3 band fan several years ago for 40 , 20 and 10 metres . start with the lowest band you want to use , adjust it for centre frequency of your band and add the next higher band wire , adjust it the same way and then add the next one .

I did not model it , just adjusted the length one at a time until I got the swr to 1.3 on all 3 bands . never tried adding a 4th band .

andrew
kd5pnt

31475. RE: Building 30-40' Telescoping Folding Tower on 4x10 trailer

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 14:57:44 UTC
From: <email4utoo@...>
Topic: 31434 Message: 31475

i have seen some while taking my time searching ,that have them on auction, some come with Generators , and some on Ebay ,one i seen was around 1500. , for that price it would not pay to build it . Enjoy the Journey, 73s, AJ KF5ZYB

31476. AW: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 15:35:28 UTC
From: siegfried jackstien
Topic: 31465 Message: 31476

Did you try the 3 band fan also on 15??

The 40 m element maybe gets a 3/4 wave resonance that is close enough to 15m

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von radiomanl@...
> Gesendet: Mittwoch, 26. Februar 2014 14:58
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] RE: EZNEC Fan Dipole Model
>
>
>
> I built a 3 band fan several years ago for 40 , 20 and 10 metres . start
> with the lowest band you want to use , adjust it for centre frequency of
> your band and add the next higher band wire , adjust it the same way and
> then add the next one .
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> I did not model it , just adjusted the length one at a time until I got
> the swr to 1.3 on all 3 bands . never tried adding a 4th band .
>
> andrew
> kd5pnt
>
>

31477. Re: [ham-antennas] RE: Building 30-40' Telescoping Folding Tower on 4x10 trai...

Yahoo group: ham-antennas (2014)
Date: 2014-02-26 17:29:27 UTC
From: ka9p@...
Topic: 31477 Message: 31477

I've seen number of 30 foot pneumatics from TV trucks come up in the last year in the high hundreds and would have one myself but for the fact that there always from geographically disadvantaged locations to me, but they are out there at quasi-reasonable prices.

Scott

In a message dated 2/26/2014 8:57:47 A.M. Central Standard Time, email4utoo@... writes:

i have seen some while taking my time searching ,that have them on auction, some come with Generators , and some on Ebay ,one i seen was around 1500. , for that price it would not pay to build it . Enjoy the Journey, 73s, AJ KF5ZYB

31478. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 00:25:15 UTC
From: Scott Souva
Topic: 31465 Message: 31478

Hi Paul,

My goal is to hang a two band (160 and 80) fan dipole off my tower. I am not sure if the wires should be in parallel and how much this will change the bandwidth. Since I own EZNEC, it would be nice to model the antenna before I start the process of trimming it. My plan is to purchase a Balun Designs Model 1113e and hang the 160 dipole first. When I get the 160 trimmed, I will add the 80 wire and see how it plays. Please note that I have EZNEC+ 5.0.62.

Scott
KG2S

From: p_chap@...
Sent: Tuesday, February 25, 2014 9:20 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Scott:
Hopefully you can get an answer on your question. I sincerely hope you do not mind me adding a few more questions to yours, as I am going to do one as well soon.

I suck at EZNEC, but could you define your version a bit more? In the past I have done a plus sign single feed where all four elements are at 90 degree angles. I have been told that qualifies as a fan, although I just considered it a multi-leg dipole. I see a fan dipole as one with multiple legs run parallel and a single feed. I'll throw up some points on what I know and what I do not know. Maybe we will get further comment. I say that because I have a pile of PVC, a lot of wire, and a lot of rope and pulleys to use. I am looking at a three or four band flavor.
From what I have read, a quality 1:1 balun for the center connections is essential. Never buy those $30 baluns. I am still ticked from 3 years ago and learned my lesson. The trouble that thing caused when it fried far outweighed the extra $40 including shipping to get quality. Balun Designs is one of the good sources and they answer the phone. DX Engineering and others also good. If the elements are parallel, the antenna will become heavy and will need center support. In addition, if using a quality balun as the center insulator, it will have a bottom drain hole and will need to stay properly oriented up and down to drain properly.

I have read to always build one band at a time starting with the lowest band working your way to the highest band and leave some twist back slack and do not solder the ends until all bands are completed, as you may have to back track.
I have read in a parallel configuration, spacing elements through the PVC is important, although I have found no consensus on a sweet spot. I could make it almost anything needed for a sweet spot and paint it pink as there is no HOA to deal with.
I have read using insulated antenna wire is desirable to avoid any effect of water interaction that could occur at the pass-thru holes in the PVC. I have a couple hundred feet I bought from Wireman a while back. Using insulated antenna wire does affect the

generally accepted length for the elements.
A sacrificial rope to mount a pulley in the trees highly recommended as the antenna will be up and down a few times. I currently have two antennas up with the ropes grown into the trees. When they die it will suck to be me.

I have also read good SWR bandwidth will narrow as more band legs are added to a fan dipole.

Antenna Analyzer.....the right one makes the job easier and worth the investment. Rig Expert makes a few dandies. The AA-54 and higher number models can take a single feed antenna and with simple software, an input of up to five frequency ranges, i.e. fan dipole, and in seconds give you the SWR for all five freq ranges and more. The 54 model and higher has internal storage and interfaces to MAC, Windows, and Linux on a PC or laptop. I do not work for them, but I love the product.

31479. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 00:42:32 UTC
From: Billy Manley
Topic: 31465 Message: 31479

I made a fan dipole for my QTH here. I just used basic math the calculate the lengths of each band. I made it for 40, 20, 17, 12 meters. I added at the last minute 15 meters.
I used 3/4 inch PVC to space them out approx 3 1/2 inches apart. I'm my research and reading about fan dipoles I can to the conclusion that yes the will react with each leg that will end up being shorter than the calculated length.
I have a little bit high swr on 40 but I am still about to tune it with an auto tuner.
I'm no expert on antennas but from my 5 band fan dipole I have had no problems with each leg reacting with each other.

Hope this helps...
73s

Bill
N2NDF

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS) [Non-text portions of this message have been removed]

31480. RE: AW: [ham-antennas] RE: Comparing GP-15 and V2000 antennas

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 10:27:23 UTC
From: <p_chap@...>
Topic: 31147 Message: 31480

KF5ZYB:
Putting one up this weekend. Although finished, I'll do a mockup beforehand, and shoot a pic. Feel free to email me off list and will send one back with better detail

31481. RE: AW: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 14:11:03 UTC
From: <radiomanl@...>
Topic: 31465 Message: 31481

yes I did . it is resonant in the CW portion of the band .

andrew
kd5pnt

31482. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 17:15:28 UTC
From: Kenneth G. Gordon
Topic: 31465 Message: 31482

On 26 Feb 2014 at 19:25, Scott Souva wrote:

> Hi Paul,
>
> My goal is to hang a two band (160 and 80) fan dipole off my tower. I am not
> sure if the wires should be in parallel and how much this will change the
> bandwidth. Since I own EZNEC, it would be nice to model the antenna before I
> start the process of trimming it. My plan is to purchase a Balun Designs Model
> 1113e and hang the 160 dipole first. When I get the 160 trimmed, I will add the
> 80 wire and see how it plays. Please note that I have EZNEC+ 5.0.62.
>
> Scott
> KG2S

Scott:

I don't know how much room you have, but back in the 1970s, I would make a particular type of antenna for those I was helping to "Elmer". This antenna, although quite simple, cheap, and easy to install, always seemed to work quite satisfactorily for those who used it.

It required two coaxs.

First, I would install a 16' tall vertical, fed at the bottom with RG-8, and made out of steel TV mast on the top of the ham's house. This was for 20 and 10 meters. (There were no WARC bands at the time.) I would also run 4 "radials" which acted as a ground-plane for the vertical. The radials sloped down the roof.

Then, from the top of the vertical, I would hang two inverted-vees, one cut for 40 (which also worked on 15) and one for 80. They would be fed with a single piece of RG-8.

These would be set at right-angles to one another.

The inverted Vees would also act as guys for the vertical.

Since the vertical support was on top of the roof of the house, that got the Vees to a height of at least 30 feet.

Every one who used one of these found it quite satisfactory, and the SWR was always reasonable.

Perhaps in your case you could set your dipoles at right angles to one another and this would reduce any interaction.

Others here would have far more knowledge of such than I, and I would be very interested to see what EZNEC or something better would show for it.

Since the radiation pattern for an inverted Vee is very close to omni-directional, "crossing" the Vees appeared to make no changes in that pattern. Of course, at the time, we had no accurate method of measuring that.

Ken W7EKB

31483. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 17:38:12 UTC
From: Mel Farrer
Topic: 31465 Message: 31483

I did a quick run on EZNEC and while I don't have actual information on the height of the tower and how high you can make the end points, or the section of the bands of interest, but Ken is correct and the antenna as he describes can be tuned to any section of either band without much interaction, and match <1.2-1.5:1. If you would like to share more information, I will run it and send you the EZNEC file. I ran it on EZNEC 5 also. Cheers,

Mel, K6KBE

On Thursday, February 27, 2014 9:15 AM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 26 Feb 2014 at 19:25, Scott Souva wrote:

> Hi Paul,
>
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Ken W7EKB

31484. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 19:20:59 UTC
From: MIKE DURKIN
Topic: 31465 Message: 31484

You know id like to see the file too .... just sayin ..

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: farrerfolks@...
Date: Thu, 27 Feb 2014 09:38:12 -0800
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

I did a quick run on EZNEC and while I don't have actual information on the height of the tower and how high you can make the end points, or the section of the bands of interest, but Ken is correct and the antenna as he describes can be tuned to any section of either band without much interaction, and match <1.2-1.5:1. If you would like to share more information, I will run it and send you the EZNEC file. I ran it on EZNEC 5 also. Cheers,

Mel, K6KBE

On Thursday, February 27, 2014 9:15 AM, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

On 26 Feb 2014 at 19:25, Scott Souva wrote:

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> My goal is to hang a two band (160 and 80) fan dipole off my tower. I am not

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>

> Scott

> KG2S

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Ken W7EKB

31485. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 19:30:24 UTC
From: Mel Farrer
Topic: 31465 Message: 31485

```
EZNEC ver. 5.0

Cross fed dual band inverted V               2/27/2014     11:29:43 AM

         --------------- ANTENNA DESCRIPTION ---------------

Frequency = 3.85 MHz
Wire Loss: Copper -- Resistivity = 1.74E-08 ohm-m, Rel. Perm. = 1

              --------------- WIRES ---------------

No.          End 1   Coord. (ft)              End 2   Coord. (ft)       Dia (in)
Segs        Insulation
      Conn.      X       Y       Z     Conn.      X       Y
Z                        Diel C  Thk(in)
1                  0, 96.973,8.43243    W2E1        0,2.10811,90.6486       #12
11          1        0
2      W4E1        0,2.10811,90.6486    W3E1        0,-2.1081,90.6486       #12
1           1        0
3      W5E1        0,-2.1081,90.6486                0,-96.973,8.43243       #12
11          1        0
4      W1E2        0,2.10811,90.6486               45,      0,     50       #12
11          1        0
5      W2E2        0,-2.1081,90.6486              -45,      0,     50       #12
11          1        0

Total Segments: 45

              -------------- SOURCES --------------

No.      Specified Pos.     Actual Pos.      Amplitude    Phase    Type
       Wire #  % From E1  % From E1  Seg       (V/A)     (deg.)
1       2        50.00      50.00    1          1           0         I

No loads specified

No transmission lines specified

No transformers specified

No L Networks specified

Ground type is Real, High-Accuracy

              --------------- MEDIA ---------------

No.    Cond.    Diel. Const.  Height    R Coord.
       (S/m)                  (ft)      (ft)
1      0.005     13           0         0
```

Here you go.

Mel, K6KBE

On Thursday, February 27, 2014 11:21 AM, MIKE DURKIN <Patriot121@...> wrote:

You know id like to see the file too .... just sayin ..

Mike KC7NOA

_____
To: ham-antennas@yahoogroups.com
From: farrerfolks@yahoo.com
Date: Thu, 27 Feb 2014 09:38:12 -0800
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

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On Thursday, February 27, 2014 9:15 AM, Kenneth G. Gordon <kgordon2006@...> wrote:

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>
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>
> Scott
> KG2S

Scott:

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Ken W7EKB

31486. Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 23:34:53 UTC
From: <dcerrato1@...>
Topic: 31486 Message: 31486

All, Found an antenna company that makes a v dipole that I'm very interested in for my situation. They have no USA distributor that I'm aware of. I called them directly in japan. They barely speak English and told me to email them to get order instructions and set up payment. No response to my email 5 days ago. Has anyone ever delt with them or know if there is a us distributor? Thanks Doug Kb2uka

31487. Re: [ham-antennas] Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 23:40:36 UTC
From: Mel Farrer
Topic: 31486 Message: 31487

Hi Doug,

What is the full name of the company.

Mel, K6KBE

On Thursday, February 27, 2014 3:34 PM, "dcerrato1@..." <dcerrato1@...> wrote:

All, Found an antenna company that makes a v dipole that I'm very interested in for my situation. They have no USA distributor that I'm aware of. I called them directly in japan. They barely speak English and told me to email them to get order instructions and set up payment. No response to my email 5 days ago. Has anyone ever delt with them or know if there is a us distributor? Thanks Doug
Kb2uka

31488. Re: [ham-antennas] Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 23:47:45 UTC
From: <dcerrato1@...>
Topic: 31486 Message: 31488

They're called "Creative Design Corp".

31489. Re: [ham-antennas] Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 23:49:45 UTC
From: Dean
Topic: 31486 Message: 31489

URL: http://www.cd-corp.com/english/

On 2/27/2014 8:40 PM, Mel Farrer wrote:
> Hi Doug,
>
> What is the full name of the company.
>
> Mel, K6KBE
>
>
>
> On Thursday, February 27, 2014 3:34 PM, "dcerrato1@..."
> <dcerrato1@...> wrote:
> All, Found an antenna company that makes a v dipole that I'm very
> interested in for my situation. They have no USA distributor that I'm
> aware of. I called them directly in japan. They barely speak English
> and told me to email them to get order instructions and set up
> payment. No response to my email 5 days ago. Has anyone ever delt with
> them or know if there is a us distributor? Thanks Doug Kb2uka
>
>
>

31490. Re: [ham-antennas] Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-27 23:54:47 UTC
From: <dcerrato1@...>
Topic: 31486 Message: 31490

That's it. Doug Kb2uka

31491. Re: [ham-antennas] Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-28 01:26:42 UTC
From: anetherton@gmail.com
Topic: 31486 Message: 31491

should not be too hard to make one of those yourself.is it a multi-band, or is it a single band dipole?
73 from K C 4 B 0

Sent via the Samsung Galaxy S® 4 zoom™, an AT&T 4G LTE smartphone

-------- Original message --------
From: Dean <dean243@swift-mail.com>
Date:02/27/2014 6:49 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Creative designs corp antenna company in japan

URL: http://www.cd-corp.com/english/

On 2/27/2014 8:40 PM, Mel Farrer wrote:

Hi Doug,

What is the full name of the company.

Mel, K6KBE

On Thursday, February 27, 2014 3:34 PM, "dcerrato1@gmail.com" <dcerrato1@gmail.com> wrote:

All, Found an antenna company that makes a v dipole that I'm very interested in for my situation. They have no USA distributor that I'm aware of. I called them directly in japan. They barely speak English and told me to email them to get order instructions and set up payment. No response to my email 5 days ago. Has anyone ever delt with them or know if there is a us distributor? Thanks Doug Kb2uka

31492. RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-28 17:40:52 UTC
From: <k5est@...>
Topic: 31486 Message: 31492

There are other companies that have a similar V-dipole.

Just wondering if a 44 ft V-dipole (22 ft elements), that is ladderline fed wouldn't be a better antenna? Certainly less cost. It covers 20 thru 10 meters very well. This antenna was one of Cebik's (W4RNL...sk) great ideas!

73....Walter . K5EST

31493. RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-02-28 22:50:54 UTC
From: <dcerrato1@...>
Topic: 31486 Message: 31493

That would work well. The problem is I'm limited in space and this v dipole covers the lower bands and has excellent reviews. It's counter part which covers 40mand up (this covers 80m and up) got a 5 out of 5 on eham. I rarely see that. Doug Kb2uka

31494. Active QRP manufacturers

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 00:21:30 UTC
From: <aa2nh@...>
Topic: 31494 Message: 31494

This site seems better than most for QRP radios and antennas. http://qrpstore.com/ http://qrpstore.com/ I was wondering what was all out there.

31495. A delightful video with a lot of antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 02:55:40 UTC
From: <p_chap@...>
Topic: 31495 Message: 31495

I don't know if anyone has heard of the "Buddies Of The Caribbean" but I doubt you will forget them after watching the YouTube they just released which is extremely well done in HD. They do this every year somewhere in what should be an obvious area. Pretty easy to tell who one of the sponsors is. They do a lot with low power, batteries, and portable antennas.....Not off topic IMO.....enjoy! Some local talent from my local club in starring roles.

http://www.youtube.com/watch?feature=player_detailpage&v=76cRBIXbLYI
http://www.youtube.com/watch?feature=player_detailpage&v=76cRBIXbLYI

31496. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 05:12:45 UTC
From: <p_chap@...>
Topic: 31465 Message: 31496

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to bob@balundesigns.com mailto:bob@balundesigns.com (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31497. AW: [ham-antennas] A delightful video with a lot of antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 10:06:02 UTC
From: siegfried jackstien
Topic: 31495 Message: 31497

This is an antenna group ... and that video clearly shows how good an antenna close to saltwater works :) nice video

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von p_chap@...
> Gesendet: Samstag, 1. März 2014 02:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] A delightful video with a lot of antennas
>
>
>
> I don't know if anyone has heard of the "Buddies Of The Caribbean" but I
> doubt you will forget them after watching the YouTube they just released
> which is extremely well done in HD. They do this every year somewhere in
> what should be an obvious area. Pretty easy to tell who one of the
> sponsors is. They do a lot with low power, batteries, and portable
> antennas.....Not off topic IMO.....enjoy! Some local talent from my
> local club in starring roles.
>
> http://www.youtube.com/watch?feature=player_detailpage&v=76cRBIXbLYI
>
>

31498. RE: [ham-antennas] A delightful video with a lot of antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 13:25:30 UTC
From: KB3YRC
Topic: 31495 Message: 31498

Oh Great pictures It seemed like battery was the subject of the trip. Oh they drive on the wrong side of the road.

At my age I don’t think I would climb ware they did. and all with 10 -20 watts.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of p_chap@...
Sent: Friday, February 28, 2014 9:56 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] A delightful video with a lot of antennas

I don't know if anyone has heard of the "Buddies Of The Caribbean" but I doubt you will forget them after watching the YouTube they just released which is extremely well done in HD. They do this every year somewhere in what should be an obvious area. Pretty easy to tell who one of the sponsors is. They do a lot with low power, batteries, and portable antennas.....Not off topic IMO.....enjoy! Some local talent from my local club in starring roles.

http://www.youtube.com/watch?feature=player_detailpage
<http://www.youtube.com/watch?feature=player_detailpage&v=76cRBIXbLYI> &v=76cRBIXbLYI

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31499. RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 17:45:13 UTC
From: <ke7zag@...>
Topic: 31486 Message: 31499

Hi Doug,
I have one of their roof towers that is eons old and had to contact them for some information and support regarding the tower close to 30 years after its manufacture. Language can be a slight issue, but nearly everyone in Japan industry speaks English, so you request will get routed to an appropriate party. The still support the tower and everything I requested was provided. Speaking from the support I received, and the quality of the tower (far better quality than my much newer Glen-Martin), I can only say very good things about the firm.
As for their rotatable dipole I have no experience (mine is a Cushcraft D-40 for 40 meters), but if the workmanship and quality is anywhere near what I have found with their tower, it will be an excellent product. I talk to a friend in Japan with one of Create's five band dipoles and he swears by it because it comes with and uses a band matching transformer (tuner) that allows him to tune right into where he wants to be.
73's
Randy

31500. Re: [ham-antennas] A delightful video with a lot of antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 19:11:24 UTC
From: Todd F. Carney / K7TFC
Topic: 31495 Message: 31500

```
>
> I
> don't know if anyone has heard of the "Buddies Of The Caribbean" but I
> doubt you will forget them after watching the YouTube they just released
> which is extremely well done in HD. They do this every year somewhere in
> what should be an obvious area. Pretty easy to tell who one of the
> sponsors is. They do a lot with low power, batteries, and portable
> antennas......Not off topic IMO......enjoy! Some local talent from my
> local club in starring roles.
>
> http://www.youtube.com/watch?feature=player_detailpage&v=76cRBIXbLYI
```

Thanks for posting this. Sure, it's an advertisement for BuddiePole, but that's okay. I've been considering buying a BP or BuddieStick, but I've never seen either in actual use. Very impressive! Of course the salt water didn't hurt, either.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

>

31501. Re: [ham-antennas] RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 20:41:19 UTC
From: Doug Cerrato
Topic: 31486 Message: 31501

Thanks Randy. I'll try calling again and maybe this time I'll get someone with better English.

Thanks

Doug
Kb2uka.

Sent from my iPhone

> On Mar 1, 2014, at 12:45 PM, <ke7zag@...> wrote:
>
> Hi Doug,
>
> I have one of their roof towers that is eons old and had to contact them for some information and support regarding the tower close to 30 years after its manufacture. Language can be a slight issue, but nearly everyone in Japan industry speaks English, so you request will get routed to an appropriate party. The still support the tower and everything I requested was provided. Speaking from the support I received, and the quality of the tower (far better quality than my much newer Glen-Martin), I can only say very good things about the firm.
>
> As for their rotatable dipole I have no experience (mine is a Cushcraft D-40 for 40 meters), but if the workmanship and quality is anywhere near what I have found with their tower, it will be an excellent product. I talk to a friend in Japan with one of Create's five band dipoles and he swears by it because it comes with and uses a band matching transformer (tuner) that allows him to tune right into where he wants to be.
>
> 73's
>
> Randy
>
>

31502. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-03-01 22:41:36 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 31502

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

31503. RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 01:35:22 UTC
From: <jim.geidl@...>
Topic: 31486 Message: 31503

Doug, Have you got any idea how much one of the 5-band antennas is and what the shipping is? Jim, K6JMG

31504. Re: [ham-antennas] RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 02:29:09 UTC
From: Doug Cerrato
Topic: 31486 Message: 31504

I believe it's anywhere from 700-1200us. No idea for sure and no clue what the shipping is as they can't explain it to me in English. They told me to email them but to date have not answered me.

Doug

Kb2uka

Sent from my iPhone

> On Mar 1, 2014, at 8:35 PM, <jim.geidl@...> wrote:
>
> Doug, Have you got any idea how much one of the 5-band antennas is and what the shipping is? Jim, K6JMG
>
>

31505. RE: [ham-antennas] RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 03:43:33 UTC
From: James M. Geidl
Topic: 31486 Message: 31505

Doug,

Thanks, but at that price I have promptly lost interest.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Doug Cerrato
Sent: Saturday, March 01, 2014 6:29 PM
To: ham-antennas@yahoogroups.com
Cc: <ham-antennas@yahoogroups.com>
Subject: Re: [ham-antennas] RE: Creative designs corp antenna company in japan

I believe it's anywhere from 700-1200us. No idea for sure and no clue what the shipping is as they can't explain it to me in English. They told me to email them but to date have not answered me.

Doug

Kb2uka

Sent from my iPhone

On Mar 1, 2014, at 8:35 PM, <jim.geidl@...> wrote:

Doug, Have you got any idea how much one of the 5-band antennas is and what the shipping is? Jim, K6JMG

31506. Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 05:23:26 UTC
From: <jsternmd@...>
Topic: 31506 Message: 31506

I have never worked with mast/tower antenna having survived with long wires till now. I live in a semi-CCR community and my original plan was to go with a lightweight Hexbeam and lightweight rotor but I am wonder if I could manage a Yagi. I could get away with a small footprint yagii for 20-15-12-10 if I could keep the profile off my roof and somewhat inconspicuous except when in use. I came upon a relative bargain for a new 30' foot pneumatic mast. It weighs about 100 lbs and has a 4.5" diameter at the lowest section with a top section load capacity of about 65 lbs. My plan is to mount the pneumatic mast onto a 6"x6" post anchored into concrete and controlled remotely. I would like to keep all of the load capacity for the antenna and so I am wondering if it is realistic to consider a heavy duty rotor inverted at the base of the mast. Could a typical heavy duty rotor with a 2" mast mount be effectively converted to accommodate a special adapter for the 4.5" base? Also where could I get large enough custom 4.5" thrust bearing? Is this too far -fetched and should I just be happy with a hexbeam?

73 Jerry
K1JOS

31507. Re: [ham-antennas] Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 12:12:27 UTC
From: scott
Topic: 31506 Message: 31507

Hi Jerry,

If you Google the USTower MARB 40 rotating base fixture, you'll see something that is probably well suited to your needs, although not cheap.

I've used one to hold, rotate and tilt over a slightly shorter Wil-Burt mast for my hex with it just mounted to a pair of landscaping timbers in the shape of an x laying on the ground with no concrete, although bolted to concrete it's a simple and elegant solution.

In any event you could probably order a thrust bearing replacement from them or find out where they source it. A medium size rotor like a CD 45 easily turns a 40 steel tower in that base, and the top of the thrust bearing has an upwardly directed u bracket that accepts the base and is easily used for mast probably 6 inches and smaller. I can send ya a few pics if it helps.

It sounds like a really nice installation you're planning, the 6 by 6 post is probably the weak link compared to a steel one like the MARB, and if you could find a used one, would support your mast and all the weight it would carry easily and keep the rotor at the base.

73 Scott

Sent from my iPad

> On Mar 1, 2014, at 11:23 PM, <jsternmd@...> wrote:
>
>
>
> I have never worked with mast/tower antenna having survived with long wires till now. I live in a semi-CCR community and my original plan was to go with a lightweight Hexbeam and lightweight rotor but I am wonder if I could manage a Yagi. I could get away with a small footprint yagii for 20-15-12-10 if I could keep the profile off my roof and somewhat inconspicuous except when in use. I came upon a relative bargain for a new 30' foot pneumatic mast. It weighs about 100 lbs and has a 4.5" diameter at the lowest section with a top section load capacity of about 65 lbs. My plan is to mount the pneumatic mast onto a 6"x6" post anchored into concrete and controlled remotely. I would like to keep all of the load capacity for the antenna and so I am wondering if it is realistic to consider a heavy duty rotor inverted at the base of the mast. Could a typical heavy duty rotor with a 2" mast mount be effectively co nverted to accommodate a special adapter for the 4.5" base? Also where could I get large enough custom 4.5" thrust bearing? Is this too far -fetched and should I just be happy with a hexbeam?
>
> 73 Jerry
> K1JOS
>
>

31508. Re: [ham-antennas] Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 15:00:36 UTC
From: Artek Manuals
Topic: 31506 Message: 31508

Scott

Can you post photos of your installation to the photo section?

Dave
NR1DX

On 3/2/2014 6:12 AM, scott wrote:
> Hi Jerry,
>
> If you Google the USTower MARB 40 rotating base fixture, you'll see
> something that is probably well suited to your needs, although not cheap.
>
> I've used one to hold, rotate and tilt over a slightly shorter
> Wil-Burt mast for my hex with it just mounted to a pair of landscaping
> timbers in the shape of an x laying on the ground with no concrete,
> although bolted to concrete it's a simple and elegant solution.
>
> In any event you could probably order a thrust bearing replacement
> from them or find out where they source it. A medium size rotor like
> a CD 45 easily turns a 40 steel tower in that base, and the top of the
> thrust bearing has an upwardly directed u bracket that accepts the
> base and is easily used for mast probably 6 inches and smaller. I can
> send ya a few pics if it helps.
>
> It sounds like a really nice installation you're planning, the 6 by 6
> post is probably the weak link compared to a steel one like the MARB,
> and if you could find a used one, would support your mast and all the
> weight it would carry easily and keep the rotor at the base.
>
> 73 Scott
>
> Sent from my iPad
>
> On Mar 1, 2014, at 11:23 PM, <jsternmd@...
> <mailto:jsternmd@...>> wrote:
>
>> I have never worked with mast/tower antenna having survived with long
>> wires till now. I live in a semi-CCR community and my original plan
>> was to go with a lightweight Hexbeam and lightweight rotor but I am
>> wonder if I could manage a Yagi. I could get away with a small
>> footprint yagii for 20-15-12-10 if I could keep the profile off my
>> roof and somewhat inconspicuous except when in use. I came upon a
>> relative bargain for a new 30' foot pneumatic mast. It weighs about
>> 100 lbs and has a 4.5" diameter at the lowest section with a top
>> section load capacity of about 65 lbs. My plan is to mount the

>> pneumatic mast onto a 6"x6" post anchored into concrete and
>> controlled remotely. I would like to keep all of the load capacity
>> for the antenna and so I am wondering if it is realistic to consider
>> a heavy duty rotor inverted at the base of the mast. Could a
>> typical heavy duty rotor with a 2" mast mount be effectively co
>> nverted to accommodate a special adapter for the 4.5" base? Also
>> where could I get large enough custom 4.5" thrust bearing? Is this
>> too far -fetched and should I just be happy with a hexbeam?
>>
>> 73 Jerry
>> K1JOS
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31509. Re: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 17:01:01 UTC
From: mikerodgerske5gbc@...
Topic: 31465 Message: 31509

Guys do 2 band fans all day long so to speak. Usually the alternate band is extremely far apart like 4guys on a pole would be.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31510. Re: Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 17:16:32 UTC
From: mikerodgerske5gbc@...
Topic: 31506 Message: 31510

Is this different from what guys are doing with hex beams/ telescoping poles with rotator on bottom.

I have a link somewhere of pictures doing this on Bill? Qrz page. He's 20m net control on Ham Nations after party.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31511. Re: [ham-antennas] Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 20:01:30 UTC
From: ka9p@...
Topic: 31506 Message: 31511

HI Dave, it's nothing special really, see attached, but has worked really well. The Wil-Burt's out of it now as I'm building a bracket to fit ithe Wil-burt to my Jeep for summer, 3 inch homebrew aluminum 30 footer in there instead, no guys at all except at 4 ft on the base.

I haven't posted to Yahoo groups that I recall, is it easy?

73 Scott

In a message dated 3/2/2014 1:25:18 P.M. Central Standard Time, nr1dx@... writes:

Scott

Can you post photos of your installation to the photo section?

Dave
NR1DX

On 3/2/2014 6:12 AM, scott wrote:

Hi Jerry,

If you Google the USTower MARB 40 rotating base fixture, you'll see something that is probably well suited to your needs, although not cheap.

I've used one to hold, rotate and tilt over a slightly shorter Wil-Burt mast for my hex with it just mounted to a pair of landscaping timbers in the shape of an x laying on the ground with no concrete, although bolted to concrete it's a simple and elegant solution.

In any event you could probably order a thrust bearing replacement from them or find out where they source it. A medium size rotor like a CD 45 easily turns a 40 steel tower in that base, and the top of the thrust bearing has an upwardly directed u bracket that accepts the base and is easily used for mast probably 6 inches and smaller. I can send ya a few pics if it helps.

It sounds like a really nice installation you're planning, the 6 by 6 post is probably the weak link compared to a steel one like the MARB, and if you could find a used one, would support your mast and all the weight it would carry easily and keep the rotor at the base.

73 Scott

Sent from my iPad

On Mar 1, 2014, at 11:23 PM, <_jsternmd@..._ (mailto:jsternmd@...)
> wrote:

I have never worked with mast/tower antenna having survived with long wires till now. I live in a semi-CCR community and my original plan was to go with a lightweight Hexbeam and lightweight rotor but I am wonder if I could manage a Yagi. I could get away with a small footprint yagii for 20-15-12-10 if I could keep the profile off my roof and somewhat inconspicuous ex cept when in use. I came upon a relative bargain for a new 30' foot pneumatic mast. It weighs about 100 lbs and has a 4.5" diameter at the lowest section with a top section load capacity of about 65 lbs. My plan is to mount the pneumatic mast onto a 6"x6" post anchored into concrete and controlled remotely. I would like to keep all of the load capacity for the antenna and so I am wondering if it is realistic to consider a heavy duty rotor inverted at the base of the mast. Could a typical heavy duty rotor with a 2" mast mount be effectively co nverted to accommodate a special adapter for the 4.5" base? Also where could I get large enough custom 4.5" thrust bearing? Is this too far -fetched and should I just be happy with a hexbeam?

73 Jerry
K1JOS

--

Dave

Manuals@ArtekManuals.com (mailto:Manuals@...)

www.ArtekManuals.com (http://www.artekmanuals.com/)

_____
(http://www.avast.com/)
This email is free from viruses and malware because _avast! Antivirus_ (http://www.avast.com/) protection is active.

[Non-text portions of this message have been removed]

31512. AW: [ham-antennas] Rotor for Pneumatic Mast

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 21:29:26 UTC
From: siegfried jackstien
Topic: 31506 Message: 31512

Uploading photos is very easy

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von ka9p@...
> Gesendet: Sonntag, 2. März 2014 20:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Rotor for Pneumatic Mast
>
>
>
> HI Dave, it's nothing special really, see attached, but has worked really
> well. The Wil-Burt's out of it now as I'm building a bracket to fit ithe
> Wil-burt to my Jeep for summer, 3 inch homebrew aluminum 30 footer in
> there
> instead, no guys at all except at 4 ft on the base.
>
> I haven't posted to Yahoo groups that I recall, is it easy?
>
> 73 Scott
>
>
> In a message dated 3/2/2014 1:25:18 P.M. Central Standard Time,
> nr1dx@... writes:
>
> Scott
>
> Can you post photos of your installation to the photo section?
>
> Dave
> NR1DX
>
> On 3/2/2014 6:12 AM, scott wrote:
>
> Hi Jerry,
>
> If you Google the USTower MARB 40 rotating base fixture, you'll see
> something that is probably well suited to your needs, although not cheap.
>
> I've used one to hold, rotate and tilt over a slightly shorter Wil-Burt
> mast for my hex with it just mounted to a pair of landscaping timbers in
> the

> shape of an x laying on the ground with no concrete, although bolted to
> concrete it's a simple and elegant solution.
>
> In any event you could probably order a thrust bearing replacement from
> them or find out where they source it. A medium size rotor like a CD 45
> easily turns a 40 steel tower in that base, and the top of the thrust
> bearing
> has an upwardly directed u bracket that accepts the base and is easily
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> for mast probably 6 inches and smaller. I can send ya a few pics if it
> helps.
>
> It sounds like a really nice installation you're planning, the 6 by 6 post
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> you could find a used one, would support your mast and all the weight it
> would carry easily and keep the rotor at the base.
>
> 73 Scott
>
> Sent from my iPad
>
> On Mar 1, 2014, at 11:23 PM, <_jsternmd@..._ (mailto:jsternmd@...)
> > wrote:
>
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> could
> manage a Yagi. I could get away with a small footprint yagii for
> 20-15-12-10 if I could keep the profile off my roof and somewhat
> inconspicuous ex
> cept when in use. I came upon a relative bargain for a new 30' foot
> pneumatic mast. It weighs about 100 lbs and has a 4.5" diameter at the
> lowest
> section with a top section load capacity of about 65 lbs. My plan is to
> mount
> the pneumatic mast onto a 6"x6" post anchored into concrete and controlled
> remotely. I would like to keep all of the load capacity for the antenna
> and so I am wondering if it is realistic to consider a heavy duty rotor
> inverted at the base of the mast. Could a typical heavy duty rotor with a
> 2"
> mast mount be effectively co nverted to accommodate a special adapter for
> the 4.5" base? Also where could I get large enough custom 4.5" thrust
> bearing? Is this too far -fetched and should I just be happy with a
> hexbeam?
>
> 73 Jerry
> K1JOS
>

> --
>
> Dave
>
> _Manuals@..._ (mailto:Manuals@...)
>
> _www.ArtekManuals.com_ (http://www.artekmanuals.com/)
>
> _____
> (http://www.avast.com/)
> This email is free from viruses and malware because _avast! Antivirus_
> (http://www.avast.com/) protection is active.
>
> [Non-text portions of this message have been removed]
>
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>
>

31513. Antenna efficiency: Comparing the Alpha Loop & Alex Loop

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 22:34:49 UTC
From: <aa2nh@...>
Topic: 31513 Message: 31513

Antenna efficiency: Comparing the Alpha Loop & Alex Loop
I have spent much time inputting all of the variables into
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx for the bands that are safe to operate both the Alex and Alpha Loop on, and found why the Alpha Loop has more gain.
The measurements from Alex for his loop are Length of Conductor (antenna "circumference") = 10.3 feet & Diameter of Conductor .32 inches.
Here are the calculated efficencies for the Alex and Alpha Loop antenna's. Please not that the Alpha Loop's measurements are Length of Conductor = 9.92 feet & Diameter of Conductor = .477

Antenna efficiency - The Alpha Loop VS the Alex Loop
From 7 to 7.3 MHz
Alpha Loop; 8% - 9%
Alex Loop; 6% - 7%

From 10.1 to 10.150 MHz
Alpha Loop: 23% - 23%
Alex Loop: 18% - 18%

From 14 to 14.350 MHz
Alpha Loop: 48% - 50%
Alex Loop: 41% - 43%

From 18.068 to 18.168 MHz
Alpha Loop: 69% - 70%
Alex Loop: 63% - 63%

From 21 to 21.450 MHz
Alpha Loop: 79% - 80%
Alex Loop: 74% - 76%

An alarming find when I input Alex's measurements for his loop into
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx for 10 through 12 Meters occurred. On those frequencies a RED message appears that says:
"To avoid self-resonance, the conductor length for a small transmitting loop antenna should be less than 1/4 wavelength."
I now understand why the AlexLoop should not be used on 10 & 12 Meters, which is because exponential increases in resistance will occur on a small transmitting loop when self-resonance occurs, which can damage equipment.
For more information on this, see the section titled "Inductance and self-resonance" here:
http://www.antennex.com/preview/Dec03/Dec603/Loopantennas.htm
http://www.antennex.com/preview/Dec03/Dec603/Loopantennas.htm

31514. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-02 22:58:42 UTC
From: Scott Souva
Topic: 31465 Message: 31514

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...
Sent: Saturday, March 01, 2014 12:12 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to bob@... (If you need help on the computer side, contact me off

list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31515. Forced into a bad antenna situation

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 03:49:41 UTC
From: ko1h
Topic: 31515 Message: 31515

Hi all , I am being forced into a bad antenna situation by having to move. I'm not moving far but im loosing most of my elevation. Also I will have a small hill rising about 50ft directly behind the yard to my NW. I assume this will do in most of my ability to work JA/BA etc.

That aside in trying to conjure up what will be an effective little antenna system to make the most of what I will be left with.

First a few caveats. NO TOWERS, NO Masts etc.

Landlord seems to be ok with a wire in the tree's and a vertical out of the way.

First thoughts are as much doublet as I can wrangle in the tree's fed with open wire directly to my tuner.

Second would be some kind of vertical (Likely a 6btv with radials in the weeds.) As time goes on I may try to camo paint and had my 30m Sigma and perhaps one of those Force 12 10-20m verticals that can be used as a plant stand.

Well any suggestions for the soon to be terrain limited. Appreciated. It sucks having to come down from the mountain but better than being on the street 8)

de John ko1h

31516. RE: Forced into a bad antenna situation

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 04:49:48 UTC
From: <aa2nh@...>
Topic: 31515 Message: 31516

How about this one? https://amateurradiostore.com/all-alpha-antennas-c-2/6160-meter-jpole-sr-750w-34-feet-long-p-196 https://amateurradiostore.com/all-alpha-antennas-c-2/6160-meter-jpole-sr-750w-34-feet-long-p-196

31517. Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 13:55:53 UTC
From: <esmorrison1@...>
Topic: 31517 Message: 31517

I live in an antenna restricted neighborhood, but have put up a 15 ft mast with a Comet CHA250BX on top. It blends into the background of trees very well since I camouflage painted it. I looks like a stick. It does well, but I would like something similar, but with the ability to handle more than 250 watts.
The closest antenna I have found is the Cushcraft R9, but it has stuff hanging off it a several intervals, is taller and weighs over 25 pounds vs 7.1 pounds for the Comet.
Any good ideas?
W5STV

31518. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 15:00:14 UTC
From: Scott Myers
Topic: 31465 Message: 31518

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the

Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to <mailto:bob@...> bob@... (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31519. 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 15:33:09 UTC
From: John Flynn
Topic: 31519 Message: 31519

Good Day Everyone,

I'm planning on building a ladder-line fed antenna--dipole or end-fed. Is there any significant difference in use between 300 ohm and 450 ohm line?

Tnx es 73

John K4ARQ

--
John Flynn
Tallahassee, Florida
USA

31520. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 16:05:49 UTC
From: Artek Manuals
Topic: 31519 Message: 31520

John
The 300 ohm line has slightly more loss (depends on the construction and manufacturer to some degree) than 450 ohm . Old fashioned solid dielectric TV Twin Lead has more loss than the window variety of 300 ohm. At HF you are unlikely to notice the difference

Assuming your using an antenna tuner to match this to your 50 ohm transceiver. expect the tuning to change every time the line gets wet (which happens a LOT in Tallahassee) . Water collects on the surface of so the called commercial window lines and changes the dielectric constant slightly which in turm changes the charactersitic impedance of the line slightly. True homemade LADDER line with dowel style spacers is much less subject to this affect. If your going to use a balun expect the same problem between dry line and wet line

Dave
NR1DX
(ex WA4CDN ...Tampa)

On 3/3/2014 9:33 AM, John Flynn wrote:
> Good Day Everyone,
>
> I'm planning on building a ladder-line fed antenna--dipole or end-fed.
> Is there any significant difference in use between 300 ohm and 450 ohm
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>
> Tnx es 73
>
> John K4ARQ
>
> --
> John Flynn
> Tallahassee, Florida
> USA
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31521. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 16:26:15 UTC
From: Stan Labinsky Jr.
Topic: 31519 Message: 31521

Wish I knew where it was, but I've read of tests done suggesting that the value of ladder line was in some circumstances important as to how easy it was to match the antenna in a multi-band setup. It kept the impedance at the tuner's end to more reasonable values... made it easier on the tuner, keeping internal losses to a more manageable amount.
IIRC, the results tended to lean towards the 450 ohm stuff.

Stan

From: Artek Manuals
Sent: Monday, March 03, 2014 11:05 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

John
The 300 ohm line has slightly more loss (depends on the construction and manufacturer to some degree) than 450 ohm . Old fashioned solid dielectric TV Twin Lead has more loss than the window variety of 300 ohm. At HF you are unlikely to notice the difference

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John Flynn
Tallahassee, Florida
USA

--
Dave
Manuals@...

www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

31522. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 16:36:46 UTC
From: Mel Farrer
Topic: 31519 Message: 31522

I doubt that you will see much difference in "loss", but the comment about ease of matching really depends on the limits of the impedances you are likely to see on your antenna. I find that really high impedances are better served with 450 or 600 ohm line preferably the dogbone type. On OCF dipoles the match works well with 300 ohm or higher lines. You know the input vs the output transformation ratios and all that.

Mel, K6KBE

On Monday, March 3, 2014 8:26 AM, Stan Labinsky Jr. <k2stn@...> wrote:

Wish I knew where it was, but I've read of tests done
suggesting that the value of ladder line was in some circumstances important as
to how easy it was to match the antenna in a multi-band setup. It kept the
impedance at the tuner's end to more reasonable values... made it easier on the
tuner, keeping internal losses to a more manageable amount.
IIRC, the results tended to lean towards the 450 ohm
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Stan

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Sent: Monday, March 03, 2014 11:05 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 300 ohm vs. 450
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>John Flynn
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--
Dave Manuals@... www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

31523. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 16:56:53 UTC
From: Dale M
Topic: 31465 Message: 31523

Scott AC8DE
like the looks of your antenna. looks like something that might work for ma as a way to get on 80-10.
was wondering if you have the length of the wires you used and could send them to me.
dmess4391@...
Dale K8NKE

From: Scott Myers
Sent: Monday, March 03, 2014 3:00 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

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Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

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Scott

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To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

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31524. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 17:06:01 UTC
From: Scott Myers
Topic: 31465 Message: 31524

Dale,

I honestly don't have the lengths. I started with standard theoretical lengths plus and extra couple of feet. HOWEVER, if you are in no hurry, I can get them for you. The whole things goes up and down an a pulley very easily. A friend of mine wants to tune a trap dipole in a couple of weeks and wants to use my tower to do it. So if you can wait, I'll take some exact measurements of everything when I bring it down and post then. If you haven't heard from me in a month, shoot me a reminder via a private e-mail.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale M
Sent: Monday, March 03, 2014 11:57 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott AC8DE

like the looks of your antenna. looks like something that might work for ma as a way to get on 80-10.

was wondering if you have the length of the wires you used and could send them to me.

dmess4391@...

Dale K8NKE

From: Scott Myers <mailto:ac8de@...>

Sent: Monday, March 03, 2014 3:00 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

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Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you

go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to <mailto:bob@balundesigns.com> bob@... (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31525. Re: [ham-antennas] Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 17:21:03 UTC
From: Ed Cartwright
Topic: 31517 Message: 31525

I have used a MFJ-1796 Vertical Dipole with good results for 20 years. It does not require radials because a dipole is a balanced antenna. The bandwidth is rather narrow on 40 and 20 because of the small size, only 12 feet vertical and 2 feet in diameter. You can cover the entire band when using a tuner. 1500 Watts PEP max on all bands lower than 6 meters. 750 Watts on 6 and 300 Watts on 2 meters. Low takeoff angle makes it good for DX but inferior to a horizontal antenna at distances less than 600 miles.

73 Ed N6MMW

On Mon, Mar 3, 2014 at 5:55 AM, <esmorrison1@...> wrote:

>
>
> I live in an antenna restricted neighborhood, but have put up a 15 ft mast
> with a Comet CHA250BX on top. It blends into the background of trees very
> well since I camouflage painted it. I looks like a stick. It does well,
> but I would like something similar, but with the ability to handle more
> than 250 watts.
>
> The closest antenna I have found is the Cushcraft R9, but it has stuff
> hanging off it a several intervals, is taller and weighs over 25 pounds vs
> 7.1 pounds for the Comet.
>
> Any good ideas?
>
> W5STV
>
>
>

31526. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 17:44:40 UTC
From: Dale M
Topic: 31465 Message: 31526

Scott
that sounds good. I can wait as there is to much snow and to cold for me to work on antennas outside right now.
Dale K8NKE

From: Scott Myers
Sent: Monday, March 03, 2014 5:06 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Dale,

I honestly don't have the lengths. I started with standard theoretical lengths plus and extra couple of feet. HOWEVER, if you are in no hurry, I can get them for you. The whole things goes up and down an a pulley very easily. A friend of mine wants to tune a trap dipole in a couple of weeks and wants to use my tower to do it. So if you can wait, I'll take some exact measurements of everything when I bring it down and post then. If you haven't heard from me in a month, shoot me a reminder via a private e-mail.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Dale M
Sent: Monday, March 03, 2014 11:57 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott AC8DE

like the looks of your antenna. looks like something that might work for ma as a way to get on 80-10.

was wondering if you have the length of the wires you used and could send them to me.

dmess4391@...

Dale K8NKE

From: Scott Myers

Sent: Monday, March 03, 2014 3:00 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

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Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to bob@balundesigns.com (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31527. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 20:34:32 UTC
From: Scott Myers
Topic: 31465 Message: 31527

I forgot to mention what I used as spanner spacers. I used /2" PEX water tubing. Super cheap and very light weight. You cna find it in 10' straight sections if you look. You can buy it in a roll as well, but then you ahve to heat it with a heat gun and work it back to being straight, which is more time consuming, but can be done. Care has to be taken get the rope tension just right so as not to cause the spanners to want to bend. And for the record, the tension ropes are the most difficult part of putting a fan dipole together, if you want widely spaced wires; greater than 12" spaces at the ends.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Monday, March 03, 2014 10:00 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

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To: ham-antennas@yahoogroups.com
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31528. Re: [ham-antennas] Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 20:53:38 UTC
From: Charles Albert
Topic: 31517 Message: 31528

I've used the 1796 and it does work fairly well.

But all the added gizmos hanging off the sides might be a problem due to the need to hide the antenna.

On 03/03/2014 09:21 AM, Ed Cartwright wrote:
> I have used a MFJ-1796 Vertical Dipole with good results for 20 years.
> It does not require radials because a dipole is a balanced antenna.
> The bandwidth is rather narrow on 40 and 20 because of the small
> size, only 12 feet vertical and 2 feet in diameter. You can cover the
> entire band when using a tuner. 1500 Watts PEP max on all bands lower
> than 6 meters. 750 Watts on 6 and 300 Watts on 2 meters. Low takeoff
> angle makes it good for DX but inferior to a horizontal antenna at
> distances less than 600 miles.
>
> 73 Ed N6MMW
>
>
> On Mon, Mar 3, 2014 at 5:55 AM, <esmorrison1@...
> <mailto:esmorrison1@...>> wrote:
>
> I live in an antenna restricted neighborhood, but have put up a 15
> ft mast with a Comet CHA250BX on top. It blends into the
> background of trees very well since I camouflage painted it. I
> looks like a stick. It does well, but I would like something
> similar, but with the ability to handle more than 250 watts.
>
> The closest antenna I have found is the Cushcraft R9, but it has
> stuff hanging off it a several intervals, is taller and weighs
> over 25 pounds vs 7.1 pounds for the Comet.
>
> Any good ideas?
>
> W5STV
>
>
>

31529. Re: [ham-antennas] Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 21:21:12 UTC
From: Ed Cartwright
Topic: 31517 Message: 31529

Tell anyone who asks that it is a cellphone relay tower the phone company installed. " I have nothing to do with it "

Or tell them it is so the NSA can read their emails !

73 Ed N6MMW

On Mon, Mar 3, 2014 at 12:53 PM, Charles Albert <cma_1956@...> wrote:

>
>
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> But all the added gizmos hanging off the sides might be a problem due to
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>> 7.1 pounds for the Comet.
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>> Any good ideas?
>>
>> W5STV
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>
>
>
>

31530. RE: Forced into a bad antenna situation

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 21:32:38 UTC
From: <k9jfk@...>
Topic: 31515 Message: 31530

Hi John,
Sorry to hear you've got to "downsize" your antenna farm!

The Hustler BTV vertical series is very amenable to adding extra bands and modifications, as you probably already know. If the available yard or antenna supports is limited, might I suggest doing the "wire mods" for the 4 or 5 BTV, and then adding an inverted "L" portion to get higher efficiency on 80 and 160m bands? No reason the traps couldn't be homebrew from coax instead of commercial; would lead to shorter "L", especially for 160m.

The Hustler Vertical series, by Newtronics, has got to be the best value on the ham antenna market today. They are well built and suffer few mechanical problems; parts are readily available from the manufacturer or through their distributors. Current price from DXEngineering on a Hustler 5BTV is $160 or $125 on a 4BTV.

Most mods are available here, at Hamuniverse, keyword is "Hustler":
<http://www.hamuniverse.com/antennas.html>

If you like to "roll" your own, then look at this article, same page @ Hamuniverse
SEVEN BAND SEMI VERTICAL TRAP ANTENNA http://sites.google.com/site/trapantenna/ BY VE3HKY

Jimmie, K9JFK

31531. You will be thankful when you have an ace body

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 21:44:49 UTC
From: Jon
Topic: 31531 Message: 31531

There's no better product on the market. http://m2tv.net/afutih/

31532. RE: [ham-antennas] You will be thankful when you have an ace body

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 21:56:41 UTC
From: Gary H. Harmon, Jr.
Topic: 31531 Message: 31532

Sender has been placed into moderation in case their account was hijacked.

Vr,

Gary H. Harmon, Jr. - K5JWK

List Moderator

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jon
Sent: Monday, March 03, 2014 3:45 PM
To: ham-antennas@yahoogroups.com; myfuncards@...
Subject: [ham-antennas] You will be thankful when you have an ace body

There's no better product on the market. http://m2tv.net/afutih/

31533. RE: [ham-antennas] RE: Forced into a bad antenna situation

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 22:00:57 UTC
From: Scott Myers
Topic: 31515 Message: 31533

For classic verticals, it is hard to beat a Butternut HF6V, Above the 5' mark, it is very wispy indeed (much smaller OD than a BTV) and can handle not being guyed. It is also without the loss of the traps of a Hustler. It is more expensive than the Hustlers however. But because it is so light weight with all its weight at the bottom, it can be taken up and down very easily with the removal of one small screw. And of course painting it is also an option to assist in the stealth. I used one for 10 years on a deed restricted property.

Beyond that, the SteppIR verticals are probably the most easy to hide and maximizes efficiency, as it has no loading coils, traps or any other such appendage; just the small box at the base. But they come at a much higher price point unfortunately.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of k9jfk@...
Sent: Monday, March 03, 2014 4:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Forced into a bad antenna situation

Hi John,
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If you like to "roll" your own, then look at this article, same page @ Hamuniverse
SEVEN BAND SEMI VERTICAL TRAP ANTENNA <http://sites.google.com/site/trapantenna/> BY VE3HKY

Jimmie, K9JFK

31534. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 22:21:58 UTC
From: <radiomanl@...>
Topic: 31519 Message: 31534

using the 450 ohm window line is what I have found to be the best , however there are certain lengths to avoid ,
unfortunately I don't remember what they are . should be easy to find though .

andrew
kd5pnt

31535. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 22:50:21 UTC
From: Kenneth G. Gordon
Topic: 31531 Message: 31535

OK, Gang, I'm going to share some info with you, then will ask for some advice. If I cram everything I want to say into this e-mail, its going to be pretty long. If it is too long for you, just delete it.

First the info: As I have mentioned here at least once before, my only antenna is a 55' tall 2-band (80/40) trap-vertical with the trap/loading coil at the 33' level. I have only 4 ea 66' long radials lying on the ground at the moment, but plan to add more this summer. With my home-brew antenna coupler, I can match any band I want to operate on to 50 ohms with very close to 1:1 SWR. I use a base-loading coil on 160 and it works fine.

About 2 months ago or so, all of my "modern" rigs (TS-940SAT, TS-820S, and others) crapped out all at once. While I am waiting to get one or the other off the bench and back in operation, I have been using a Heathkit HW-16 with the 15 meter band modified for 20 meters. I coupled that with a refurbished WRL-755A VFO, and use the combo to drive one of my SB-200s to full output on 80, 40, and 20. It's great fun, and useful to meet my traffic handling skeds, but is pretty limited and not particularly handy.

The other day, a Yaesu FT-890 which has been loaned to me by a friend arrived, and I hooked it up.

I was absolutely amazed and appalled to see what my ambient, constant noise level is. I knew it was pretty bad, but this is ridiculous. It sits at S-9+ on 160, 80, 60, 40, 30, and 20 practically all day. It is less on the higher bands, but not much. This morning on 20 it dropped back to about S-8 for an hour or two, but then went right back up as the band fully opened up.

The Noise Blanker in the FT-890 does absolutely nothing to mitigate this either. I have obviously had this noise level for a long time, but never really noticed how bad it was before I got this rig in operation.

At this point, I am convinced that the main source of noise is simply the fact that my antenna is a vertical, and a big one at that. I know verticals tend to be more noisy than other antennas, but this is ricidulous.

I have gotten out my ARRL Antenna Book (an older one) and have been looking at other antennas that I might be able to install here, but so far, have not been happy with what I have found.

Our lot, in the middle of Moscow, Idaho, is approximately 50 feet wide (N-S) and a little over 120 feet long (E-W). Neighbors are tight up against the property lines on both sides. Our home sits very near the west edge of our property, (If the house were in the center of the property, it would make installing an inverted vee, for instance, somewhat easier). To the east rises a hill which continually steepens until at its top it is at least 100 feet higher than our property. Down the alley to the east of us runs a 13.6 KV power line,

which, by the way and surprisingly, does NOT seem to be the source of much of the noise.

So, here is what I am reviewing:

1) an open-wire line-fed inverted Vee. Trouble is, the lot is too narrow to A) put one up very high and B) to spread the legs out to achieve an optimum angle.

2) A horizontal rectangular loop, mounted on poles above the fence that surrounds our property. Trouble is that, A) I will have some difficulty getting it very high (I can install poles alongside the 6 foot tall 4X4 posts which are embedded in concrete), and B) both "long" sides will be right on the property lines and very near to neighbors who already experience interference to, and I get a lot from, their crappy non-shielded or filtered entertainment devices, and C) I cannot use the full 120' property length since to do so would put two of the poles right on the sidewalk.

3) A large vertical loop (30' diameter) built out of 3/4" diameter copper plumbing fittings and 3/4" copper pipe. Trouble is that, A) this must be rotated, and B) I have very few places I can mount it, and C) I suspect that since it is vertical, it wouldn't be any quieter than my vertical. This antenna is covered in detail in my ARRL Antenna Book. Has anyone here had any experience with such a loop?

4) An end-fed sloper with the far end in the 100'+ pine tree in the north-east corner of the yard. Trouble is, A) I wouldn't expect this to be any quieter than the vertical, and B) the high-far end would be within about 12 horizontal feet of, and about 6 vertical feet above, the 13.6 KV power line and therefore noise would probably be greater, and C) it would be right on the property line of our neighbor to the north.

5) A smaller, 3' diameter, stainless steel loop (made by Stoddart) mounted on or near the top of the roof on a rotator and used with a preamp ONLY for receiving. Trouble is, I think I would be unable to hear the stations who could hear me.

6) Install a high-performance noise phaser on the order of the one designed and built by Mike Murphy WU2D and published in this past month's ER Magazine. Trouble is, I'm not sure this will help with the type of noise I am experiencing.

Any suggestions from the "peanut gallery" will be most gratefully accepted.

vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31536. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 23:07:04 UTC
From: Mel Farrer
Topic: 31531 Message: 31536

Ken you have done your homework, hi. Most of this you know, but here is my 2 cents.

First off I would make a simple DF loop and see if you can identify the location of the noise source. I would be surprised if you have a single source, but at least if you do, it is addressable with noise cancelling devices.

Second, any antenna that is single ended that is not DC shorted is going to be noisy. That is, a dipole is more noisy than a folded dipole but you know this.

Third, any loop antenna even at low levels will be better than a non DC shorted antenna. Been there done that. I have had very good luck with a OCF dipole that is oriented to null a single source noise and it is multiband.

Fourth, and this is expensive, but at the end of the road is a remote HF system and operated off the internet. Lots of that going on and lots of support from those who have done it.

OK, some of this might be helpful. Good Luck,.

Mel, K6KBE

On Monday, March 3, 2014 2:50 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

OK, Gang, I'm going to share some info with you, then will ask for some advice. If I cram everything I want to say into this e-mail, its going to be pretty long. If it is too long for you, just delete it.

First the info: As I have mentioned here at least once before, my only antenna is a 55' tall 2-band (80/40) trap-vertical with the trap/loading coil at the 33' level. I have only 4 ea 66' long radials lying on the ground at the moment, but plan to add more this summer. With my home-brew antenna coupler, I can match any band I want to operate on to 50 ohms with very close to 1:1 SWR. I use a base-loading coil on 160 and it works fine.

About 2 months ago or so, all of my "modern" rigs (TS-940SAT, TS-820S, and others) crapped out all at once. While I am waiting to get one or the other off the bench and back in operation, I have been using a Heathkit HW-16 with the 15 meter band modified for 20 meters. I coupled that with a refurbished WRL-755A VFO, and use the combo to drive one of my SB-200s to full output on 80, 40, and 20. It's great fun, and useful to meet my traffic handling skeds, but is pretty limited and not particularly handy.

The other day, a Yaesu FT-890 which has been loaned to me by a friend arrived, and I hooked it up.

I was absolutely amazed and appalled to see what my ambient, constant noise level is. I knew it was pretty bad, but this is ridiculous. It sits at S-9+ on 160, 80, 60, 40, 30, and 20 practically all day. It is less on the higher

bands, but not much. This morning on 20 it dropped back to about S-8 for an hour or two, but then went right back up as the band fully opened up.

The Noise Blanker in the FT-890 does absolutely nothing to mitigate this either. I have obviously had this noise level for a long time, but never really noticed how bad it was before I got this rig in operation.

At this point, I am convinced that the main source of noise is simply the fact that my antenna is a vertical, and a big one at that. I know verticals tend to be more noisy than other antennas, but this is ricidulous.

I have gotten out my ARRL Antenna Book (an older one) and have been looking at other antennas that I might be able to install here, but so far, have not been happy with what I have found.

Our lot, in the middle of Moscow, Idaho, is approximately 50 feet wide (N-S) and a little over 120 feet long (E-W). Neighbors are tight up against the property lines on both sides. Our home sits very near the west edge of our property, (If the house were in the center of the property, it would make installing an inverted vee, for instance, somewhat easier). To the east rises a hill which continually steepens until at its top it is at least 100 feet higher than our property. Down the alley to the east of us runs a 13.6 KV power line, which, by the way and surprisingly, does NOT seem to be the source of much of the noise.

So, here is what I am reviewing:

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2) A horizontal rectangular loop, mounted on poles above the fence that surrounds our property. Trouble is that, A) I will have some difficulty getting it very high (I can install poles alongside the 6 foot tall 4X4 posts which are embedded in concrete), and B) both "long" sides will be right on the property lines and very near to neighbors who already experience interference to, and I get a lot from, their crappy non-shielded or filtered entertainment devices, and C) I cannot use the full 120' property length since to do so would put two of the poles right on the sidewalk.

3) A large vertical loop (30' diameter) built out of 3/4" diameter copper plumbing fittings and 3/4" copper pipe. Trouble is that, A) this must be rotated, and B) I have very few places I can mount it, and C) I suspect that since it is vertical, it wouldn't be any quieter than my vertical. This antenna is covered in detail in my ARRL Antenna Book. Has anyone here had any experience with such a loop?

4) An end-fed sloper with the far end in the 100'+ pine tree in the north-east corner of the yard. Trouble is, A) I wouldn't expect this to be any quieter than the vertical, and B) the high-far end would be within about 12 horizontal feet of, and about 6 vertical feet above, the 13.6 KV power line and therefore noise would probably be greater, and C) it would be right on the property line of our neighbor to the north.

5) A smaller, 3' diameter, stainless steel loop (made by Stoddart) mounted on or near the top of the roof on a rotator and used with a preamp ONLY for receiving. Trouble is, I think I would be unable to hear the stations who could hear me.

6) Install a high-performance noise phaser on the order of the one designed and built by Mike Murphy WU2D and published in this past month's ER Magazine. Trouble is, I'm not sure this will help with the type of noise I am experiencing.

Any suggestions from the "peanut gallery" will be most gratefully accepted.

vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31537. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 23:30:54 UTC
From: Scott Souva
Topic: 31465 Message: 31537

Hi Scott,

Your link with the photos is really useful and helps me envision how I want to hang my new antenna. I had not considered using PEX water tubing, but it sure looks like a good idea. Can I assume PEX weighs less than PVC? Also, what keeps the PEX tubing from moving on the wires?

Scott
KG2S

From: Scott Myers
Sent: Monday, March 03, 2014 3:34 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

I forgot to mention what I used as spanner spacers. I used /2" PEX water tubing. Super cheap and very light weight. You cna find it in 10' straight sections if you look. You can buy it in a roll as well, but then you ahve to heat it with a heat gun and work it back to being straight, which is more time consuming, but can be done. Care has to be taken get the rope tension just right so as not to cause the spanners to want to bend. And for the record, the tension ropes are the most difficult part of putting a fan dipole together, if you want widely spaced wires; greater than 12" spaces at the ends.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Monday, March 03, 2014 10:00 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the

wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@bellsouth.net

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may

be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to bob@... (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31538. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 23:39:58 UTC
From: Artek Manuals
Topic: 31531 Message: 31538

Ken

Shortly answered a constant S8-S9 noise source on all bands is NOT the verticals fault. You most likely have a man made noise very near by.

The fact that several rigs died at once suggests a massive power line surge or lightning strike. This could have also caused a breakdown in a pole-pig transformer or lightning arrestor on the pole (i have experienced both as noise sources in the past) or any number of other appliances in your home that may be victim to whatever caused so many rigs to fail at once. In the dead of winter the quietest time of the year I would be very surprised to have noise peaks more than S1 or S2 on my (Bnut) vertical on 20M and 40M using a TS950SDX

Dave
NR1DX

On 3/3/2014 4:50 PM, Kenneth G. Gordon wrote:
>
> SNIP
>

> About 2 months ago or so, all of my "modern" rigs (TS-940SAT, TS-820S,
> and
> others) crapped out all at once. While I am waiting to get one or the
> other off
> the bench and back in operation, I have been using a Heathkit HW-16
> with the 15
> meter band modified for 20 meters. I coupled that with a refurbished
> WRL-755A
> VFO, and use the combo to drive one of my SB-200s to full output on
> 80, 40, and
> 20. It's great fun, and useful to meet my traffic handling skeds, but
> is pretty
> limited and not particularly handy.
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> The other day, a Yaesu FT-890 which has been loaned to me by a friend
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> I was absolutely amazed and appalled to see what my ambient, constant
> noise
> level is. I knew it was pretty bad, but this is ridiculous. It sits at
> S-9+ on
> 160, 80, 60, 40, 30, and 20 practically all day. It is less on the higher
> bands, but not much. This morning on 20 it dropped back to about S-8

> for an
> hour or two, but then went right back up as the band fully opened up._
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31539. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 23:48:15 UTC
From: james fisher
Topic: 31519 Message: 31539

I think it is best to use a length of 40, 80 ft.
Normally you buy enough ladder line and some extra.
Then cut it to a convenient length with a little extra.
Then trim or add as needed to get on all the bands you want .
I am assuming you are going to run the ladder line into an antenna tuner.

James

On Monday, March 3, 2014 3:22 PM, "radiomanl@..." <radiomanl@...> wrote:

using the 450 ohm window line is what I have found to be the best , however there are certain lengths to avoid ,
unfortunately I don't remember what they are . should be easy to find though .

andrew
kd5pnt

31540. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-03 23:55:11 UTC
From: Kenneth G. Gordon
Topic: 31531 Message: 31540

On 3 Mar 2014 at 18:17, KA4INM wrote:

> > The Noise Blanker in the FT-890 does absolutely nothing to mitigate this
> > either. I have obviously had this noise level for a long time, but never
> > really noticed how bad it was before I got this rig in operation.
>
> Try operating the FT890 with the RF pre-amp turned off.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.

Indeed. What is that corollary about "unintended consequences"?

OK, Ron, I activated the FT-890's IPO control (Intercept Point Optimization) which, apparently, turns the RF amp off. (I assume this is actually the RF preamp you mentioned).

(According to the manual, the front panel "RF gain control" is, apparently ONLY an IF gain control, and has nothing whatever to do with the actual RF amplifier.)

This is still on 20 meters, where in the "quiet" part of the day, my noise level is still S-8+.

Activating the IPO, dropped the "S-meter" reading on noise from S-8+ to less than S-2, yet signal levels did not appear to drop. In fact, the noise level is hovering around S-1 or so now, and the audio doesn't sound nearly so noisy as before.

So, what does this actually mean? Does this really mean that my noise level isn't as bad as I thought, or does activating this control simply "mask" the noise and give me a false sense of security?

I am now wondering if the receiver gain was too high, and I was actually experiencing loads of intermod from all the signals and/or noise in the band.

I'm going to switch downwards in the bands to see what I get.

Standby....

Ken W7EKB

31541. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 00:01:25 UTC
From: Kenneth G. Gordon
Topic: 31531 Message: 31541

On 3 Mar 2014 at 17:39, Artek Manuals wrote:

> Ken

Hello, Dave.

>
> Shortly answered a constant S8-S9 noise source on all bands is NOT the
> verticals fault.

I had wondered.

> You most likely have a man made noise very near by.

Again, I have been wondering... guess its time to do as Mel suggested and get out my DF loop.

> The fact that several rigs died at once suggests a massive power line
> surge or lightning strike.

Well, that could be, but at this point I think there were different reasons why each one took a hike. In the case of the TS-820S, I think a problematic bandswitch coupling let go.

In the case of the TS-940SAT, the AVR board had more than one problem, most of which I have fixed. I also installed that crowbar circuit on the AVR board so I am less likely to lose driver transistors in the future.

I just have to reassemble the '940 and test. Right now, both I and my wife have been clobbered with a really bad virus. I'm not doing much in the shop right now.

> This could have also caused a breakdown in a
> pole-pig transformer or lightning arrestor on the pole (i have
> experienced both as noise sources in the past) or any number of other
> appliances in your home that may be victim to whatever caused so many
> rigs to fail at once.

Hmmm.....that DOES bring up a couple of interesting points: our Fisher and Paykel washing machine which is computer controlled, is having what looks like computer problems. And there are other things.

> In the dead of winter the quietest time of the
> year I would be very surprised to have noise peaks more than S1 or S2 on
> my (Bnut) vertical on 20M and 40M using a TS950SDX

OK. I'll start looking around outside. Thanks,

Ken W7EKB

31542. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 00:33:55 UTC
From: Kenneth G. Gordon
Topic: 30541 Message: 31542

Conditions: Antenna tuned to resonance in the bottom section of each band.

FT-890: IPO activated (RF amp off) Mode CW

20 meters, CW wide (2.4 KHz bandwidth) - S-2: CW narrow (500 Hz bandwidth), S-1

30 meters, CW wide S-5, CW narrow S-2

40 meters CW wide S-6, CW narrow S-1

60 meters CW wide S-6, CW narrow, S-2

80 meters CW wide S-9, CW narrow S-6

Didn't try it on 160 yet, as I don't have my base loading coil installed and can't resonate the vertical there yet.

Conclusion: markedly more noisy on 80

Ken W7EKB

31543. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 00:49:50 UTC
From: Dale Miller
Topic: 31465 Message: 31543

On 3/3/2014 5:30 PM, Scott Souva wrote:
>
>
> Hi Scott,
> Your link with the photos is really useful and helps me envision how I
> want to hang my new antenna. I had not considered using PEX water
> tubing, but it sure looks like a good idea. Can I assume PEX weighs
> less than PVC? Also, what keeps the PEX tubing from moving on the wires?
> Scott
> KG2S
>

You could make ladder line with these.
<
http://www.tractorsupply.com/en/store/zarebareg%3B--4-in-fin-tube-insulator
>
You get 200 in a package and they are easily modified to make ladder line.
Here is one person that documented what he did.
<
http://cloud-warmer.blogspot.com/2012/01/200-foot-doublet-ladder-line.html >
I used these myself to make a ladder line for my double G5RV

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

31544. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 00:56:07 UTC
From: Scott Myers
Topic: 31465 Message: 31544

The PEX does weigh less than PVC, but it is considerably more flexible, so care has to be taken that the ropes are not too tight and try to compress the PEX. I used a couple of zip ties on either side of the PEX on the 80M wire and then used some epoxy putty on both sides over the zip ties. I left it float on the other wires and ropes. It has held up so far.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Monday, March 03, 2014 6:31 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Scott,

Your link with the photos is really useful and helps me envision how I want to hang my new antenna. I had not considered using PEX water tubing, but it sure looks like a good idea. Can I assume PEX weighs less than PVC? Also, what keeps the PEX tubing from moving on the wires?

Scott

KG2S

From: Scott Myers <mailto:ac8de@...>

Sent: Monday, March 03, 2014 3:34 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

I forgot to mention what I used as spanner spacers. I used /2" PEX water tubing. Super cheap and very light weight. You cna find it in 10' straight sections if you look. You can buy it in a roll as well, but then you ahve to heat it with a heat gun and work it back to being straight, which is more time consuming, but can be done. Care has to be taken get the rope tension just right so as not to cause the spanners to want to bend. And for the record, the tension ropes are the most difficult part of putting a fan dipole together, if you want widely spaced wires; greater than 12" spaces at the ends.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Monday, March 03, 2014 10:00 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to <mailto:bob@...> bob@... (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

31545. RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 01:30:42 UTC
From: Richard Schmuke
Topic: 31465 Message: 31545

I hope you don’t mind me jumping into this. I used some split PVC conduit for my spacers and used a dab of epoxy. Most of them did not make it thru the first winter. I then reinforced the location of my spacers with a small length of 22 ga wire soldered to the main upper support wire.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Monday, March 03, 2014 5:31 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Scott,

Your link with the photos is really useful and helps me envision how I want to hang my new antenna. I had not considered using PEX water tubing, but it sure looks like a good idea. Can I assume PEX weighs less than PVC? Also, what keeps the PEX tubing from moving on the wires?

Scott

KG2S

From: Scott Myers <mailto:ac8de@ameritech.net>

Sent: Monday, March 03, 2014 3:34 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

I forgot to mention what I used as spanner spacers. I used /2" PEX water tubing. Super cheap and very light weight. You cna find it in 10' straight sections if you look. You can buy it in a roll as well, but then you ahve to heat it with a heat gun and work it back to being straight, which is more time consuming, but can be done. Care has to be taken get the rope tension just right so as not to cause the spanners to want to bend. And for the record, the tension ropes are the most difficult part of putting a fan dipole together, if you want widely spaced wires; greater than 12" spaces at the ends.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Monday, March 03, 2014 10:00 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole Model

Scott,

My apology I have not responded until now. I've had several versions of fan dipoles (all hombrew) and the last one I built has been on my tower for going on 3 seasons. I have posted photos of its construction here. I got this basic design from another ham on the internet through a Google search some years ago and modified it to make it work for me. The photos are before anything else was on the tower.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

This dipole has wires for 80/40/20/10 and is resonant on 15 on the harmonics of the 40M wire. Each wire is about 6" from each other at the feed point and is wrapped a couple times around the 6 gauge solid and then twisted back on itself and then all soldered (via propane torch) to that 6 gauge solid behind the 3/4" PVC and pipe conduit and fittings. Once it was all soldered, it was sealed and then pushed into the PVC conduit. The wires pass through the PVC conduit as holes are drilled through it, so it is the PVC conduit that holds the wire tension. By separating the feed points, it makes tune up much easier with less interaction. I used a 1115 unun because I already have several of that design. Certainly using one with studs would be easier to wire into the feed point, as I have to make a little custom coax jumper and seal it up on mine. The wires are spaced by around a foot out at the ends. It covers all of 40/20/15/10M below 2:1 and on 80M, is below 2.5:1 through the entire band. (I attribute the wide bandedness on 80M to the capacitive loading of the other wires.) The lower piece of PVC that sticks out the bottom was for use on a field day (for which it was originally built) and I don't use that any longer and it isn't anything you need if you are only going to hang it... although I found that PVC stub came in handy to secure the coax to to keep the feed point from moving due to wind. I really hadn't intended on making this a more permanent part of my antenna system, but I liked the way it performed, so I did.

Sorry, I have never modeled it and I am pretty good with EZ-NEC. Dealing with the feed points in EZ-NEC would be a challenge. I really should model it to see what it looks like in theory.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

Great minds must think alike. I contacted Bob via email and he recommended an alternative configuration to support the balun and strain on the eye-bolts. His recommendation was the Model 1116d (better for lower frequencies) mounted to the DLP5 Dipole Plate. I will likely purchase the 1116dt (studs on top) with the DLP5 for my configuration.

Thanks for the good ideas on hanging the antenna from the tower. Now I need the weather to improve (stop snowing...) for this next project to begin.

73 de KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01, 2014 12:12 AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hello again Scott:
I took a look at the place from satellite view. It appears as though the tower is situated pretty much center of the lot behind the house with a thick stand of hardwood trees as you go further away from the rear of the house. Looks like the lot is more deep than wide and you have houses on either side. There are a few trees that appear to skirt the side property lines on both sides. Since the law defines ownership as vertical space, they may be jointly owned with the neighbors. If the base of the trees is on your side, you do not need permission to attach an antenna to them of course. Hard to tell from a vertical angle looking down, but most trees appear to be as tall or taller than the tower. To go with a non parallel configuration single feed, I think someone on this forum, or it could have been my club forum, mentioned to not have arcs of each element pair less than 45 degrees and try to go 60 degrees if at all possible. This would bring up a mounting situation for the balun to maximize the angles, as you may have to get the balun, also being used as a center insulator, away from the tower 2-4 feet. I would not know if hanging it from some galvanized strapping bolted horizontal across the tower (so the strapping would have two bolting points) would create interaction issues, or whether some heavy duty PVC would be better to prevent that. In either case, you would most likely need to go with a three eyebolt balun which is the same price. It is obvious considering your band choices why you thought parallel fan. Stacked parallel individual feeds would be a problem. Adjacent does not work considering the band choices, as again, not enough separation room side to side. In addition, the fan configuration would leave one entire side of your property to do something else on the higher bands. As a final thought, digest the information from all of the good suggestions the great group of hams here have thrown out, go to Google search, plug in your address, zoom to cover your lot and a bit of your neighbors as well so that the property lines are evident, hit screen print key on your keyboard, then open MS Word or Paint and right click paste or control V, (you may have to resize the image to make it fit) attach it to an email to <mailto:bob@...> bob@... (If you need help on the computer side, contact me off list, and I will put it together for you or send it to Bob on your behalf.) Be sure to be brief yet cover your needs, in particular balun mounting to prevent interaction. In a fan configuration, this will be a heavy antenna due to length/drop angle/resultant stress. Bob may have a mod in mind he could do other that the standard eyebolt which would be a worthy additional investment. I wish you luck and let us know how this works out in the final result.

[Non-text portions of this message have been removed]

31546. Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 01:58:04 UTC
From: John P.
Topic: 31465 Message: 31546

For my fan dipoles I always cut them a bit short.

THEN AT EACH END, I attach a short drop wire near the insulator. It makes it very easy to adjust tuning by simply folding the drop wire back onto itself. Once tuned, you can clip or tape the drop wire. Thus there is no need to constantly move the end insulator.

John - WA2HIP

On Mon, 3/3/14, Dale M <dmess4391@...> wrote:

Subject: Re: [ham-antennas] RE: EZNEC Fan Dipole Model
To: ham-antennas@yahoogroups.com
Date: Monday, March 3, 2014, 12:44 PM

Scott
that sounds good. I can wait as there is to much snow
and to cold for me to
work on antennas outside right now.
Dale K8NKE

From: Scott Myers

Sent: Monday, March 03, 2014 5:06 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE: EZNEC Fan Dipole

Model

Dale,

I honestly
don't have the lengths. I started with standard
theoretical lengths plus
and extra couple of feet. HOWEVER, if you are in no
hurry, I can get them
for you. The whole things goes up and down an a pulley
very easily.
A friend of mine wants to tune a trap dipole in a couple of
weeks and wants to
use my tower to do it. So if you can wait, I'll
take some exact
measurements of everything when I bring it down and post
then. If you
haven't heard from me in a month, shoot me a reminder
via a private
e-mail.

Scott
AC8DE

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On Behalf Of
Dale M
Sent:
Monday, March 03, 2014 11:57 AM
To:
ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] RE: EZNEC Fan
Dipole Model

Scott
AC8DE

like the looks of your antenna.
looks like something that might work for ma as a way to get
on
80-10.

was wondering if you have the
length of the wires you used and could send them to
me.

dmess4391@...

Dale K8NKE

From: Scott Myers

Sent: Monday, March 03, 2014
3:00
PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] RE:
EZNEC Fan Dipole
Model

Scott,
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versions of fan dipoles
(all hombrew) and the last one I built has been on my tower
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Scott
AC8DE

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]

On Behalf Of Scott Souva
Sent: Sunday, March 02, 2014 5:59
PM
To: ham-antennas@yahoogroups.com
Subject:
Re: [ham-antennas] RE: EZNEC Fan Dipole Model

Hi Paul,

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contacted Bob via email and he recommended an alternative
configuration to
support the balun and strain on the eye-bolts. His
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snowing...) for this next project to begin.

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KG2S,

Scott

From: p_chap@...

Sent: Saturday, March 01,
2014 12:12
AM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] RE:
EZNEC Fan Dipole
Model

Hello again Scott:
I took a look at the place
from satellite view. It appears as though the tower is
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center of the lot behind the house with a thick stand of
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address, zoom to cover your lot and a bit of your neighbors as well so that the
property lines are evident, hit screen print key on your keyboard, then open MS

Word or Paint and right click paste or control V, (you may
have to resize the
image to make it fit) attach it to an email to bob@balundesigns.com

(If you need help on the computer side, contact me off list,
and I will put it
together for you or send it to Bob on your behalf.) Be
sure to be brief
yet cover your needs, in particular balun mounting to
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standard eyebolt which would be a worthy additional
investment. I wish you luck
and let us know how this works out in the final
result.

31547. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 02:44:08 UTC
From: <rrmvargo@...>
Topic: 31531 Message: 31547

Hi Kenneth,
I have a 43' vertical & a 173' endfed wire. The vertical & the endfed are pretty quiet. I hear everything that others hear on similar antennas, dipoles, G5RV's etc. & often more. Sometimes the vertical gives a better s/n ratio. Verticals don't have to be noisier. So, I would first investigate where the noise is coming from. Maybe just string a longwire and see if your noise is any better. I wouldn't spend any money until I spend some time trying to understand the noise issue. You might be wondering why you spent the dough. - 73 Bob

31548. Re: Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 02:54:10 UTC
From: mikerodgerske5gbc@...
Topic: 30541 Message: 31548

Doesn't seem to far out of ordinary.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31549. RE: [ham-antennas] RE: Creative designs corp antenna company in japan

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 03:11:47 UTC
From: Dave Patrick
Topic: 31486 Message: 31549

Try a western hf 10 antenna

Sent from my Nokia Lumia 800

-----Original Message-----
From: dcerrato1@...
Sent: 28/02/2014 22:50
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Creative designs corp antenna company in japan

That would work well. The problem is I'm limited in space and this v dipole covers the lower bands and has excellent reviews. It's counter part which covers 40mand up (this covers 80m and up) got a 5 out of 5 on eham. I rarely see that. Doug Kb2uka

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family:

Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

31550. Re: [ham-antennas] Some information and varoius questions...long...

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 03:36:05 UTC
From: <wd4aon@...>
Topic: 31531 Message: 31550

Hi OM,
My first thought was to check the receiver for internal noise. Do you also have a high noise level on a portable AM radio (are there any still out there?). Sounds like arcing. But when I read about all the stuff having possible electrical mains problems, I thought perhaps you should check, with an accurate meter, the two 'phases of your 240V mains. One might be a couple volts above the other from a poor neutral return. And check every connection in your main panel - tighten them all and smear anti-ox on the aluminum leads. Try your AM radio near your panel, too. Can you operate from a battery?
Terry

31551. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 03:50:36 UTC
From: Alex Netherton
Topic: 30541 Message: 31551

What time of day?

KC4BO

Alex Netherton
http://blueridgediscovery.org

On Mon, Mar 3, 2014 at 7:33 PM, Kenneth G. Gordon
<kgordon2006@...>wrote:

>
>
> Conditions: Antenna tuned to resonance in the bottom section of each
> band.
>
> FT-890: IPO activated (RF amp off) Mode CW
>
> 20 meters, CW wide (2.4 KHz bandwidth) - S-2: CW narrow (500 Hz
> bandwidth), S-1
>
> 30 meters, CW wide S-5, CW narrow S-2
>
> 40 meters CW wide S-6, CW narrow S-1
>
> 60 meters CW wide S-6, CW narrow, S-2
>
> 80 meters CW wide S-9, CW narrow S-6
>
> Didn't try it on 160 yet, as I don't have my base loading coil installed
> and can't resonate the vertical there yet.
>
> Conclusion: markedly more noisy on 80
>
> Ken W7EKB
>
>
>

31552. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 04:23:07 UTC
From: Kenneth G. Gordon
Topic: 30541 Message: 31552

On 3 Mar 2014 at 22:50, Alex Netherton wrote:

> What time of day?
>
> KC4BO

Very late afternoon.

Ken W7EKB

31553. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 04:24:54 UTC
From: Artek Manuals
Topic: 30541 Message: 31553

Power line arcing somewhere .... about 1-4 blocks away ...been there
done that

Dave
NR1DX

On 3/3/2014 9:50 PM, Alex Netherton wrote:
> What time of day?
>
> KC4BO
>
> Alex Netherton
> http://blueridgediscovery.org
>
>
> On Mon, Mar 3, 2014 at 7:33 PM, Kenneth G. Gordon
> <kgordon2006@... <mailto:kgordon2006@...>> wrote:
>
> Conditions: Antenna tuned to resonance in the bottom section of each
> band.
>
> FT-890: IPO activated (RF amp off) Mode CW
>
> 20 meters, CW wide (2.4 KHz bandwidth) - S-2: CW narrow (500 Hz
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> Didn't try it on 160 yet, as I don't have my base loading coil
> installed
> and can't resonate the vertical there yet.
>
> Conclusion: markedly more noisy on 80
>
> Ken W7EKB
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

31554. Re: [ham-antennas] 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 04:40:32 UTC
From: <soona4sail@...>
Topic: 31519 Message: 31554

Google "Feedline lengths to avoid" You should find a couple of good sites that will give you a list of feedline lengths to avoid.

73 john

31555. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 04:43:10 UTC
From: Kenneth G. Gordon
Topic: 30541 Message: 31555

On 3 Mar 2014 at 22:24, Artek Manuals wrote:

> Power line arcing somewhere .... about 1-4 blocks away ...been there
> done that
>
> Dave
> NR1DX

Well, there is also a 40 db over S-9 periodic arcing. Maybe from the same source. Guess I'll go looking as soon as I'm over this cursed virus.

Ken W7EKB

31556. RE: Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 04:54:56 UTC
From: <don@...>
Topic: 31517 Message: 31556

Butternut HF6V

Don KF7DS

31557. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 06:01:49 UTC
From: jim ki6njf
Topic: 30541 Message: 31557

On Monday, March 03, 2014 08:43:10 PM you wrote:
> On 3 Mar 2014 at 22:24, Artek Manuals wrote:
> > Power line arcing somewhere .... about 1-4 blocks away ...been there
> > done that
> >
> > Dave
> > NR1DX
>
> Well, there is also a 40 db over S-9 periodic arcing. Maybe from the same
> source. Guess I'll go looking as soon as I'm over this cursed virus.
>
> Ken W7EKB
>
Ken, try N0RQs site:
http://www.powerlinenoise.com/

he uses a AM 2 meter handheld and a 2 meter yagi to pinpoint. One of those
tape-measure yagi the fox hunters use would work well.

73s
jim
ki6njf
p.s I'm fighting S9 noise on 80 meters here with a vertical. On my loop, its
about S3

--
73s
jim
KI6NJF

31558. RE: Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 08:24:06 UTC
From: <rolandbrade@...>
Topic: 31517 Message: 31558

I agree the Butternut is a very good option if you don't mind all the coils hanging about. I have an HF9V and it works just great.
Another option is the trap L. Total length to cover 10-80 would be about 54 feet. Of course you would need some kind of sky hook like a tree etc. Another way round that would be to put up a flag pole and run the wire through that. Not seen it used over here as we don't tend to fly our flags, in fact the law only permits our flag to be flown on certain days, silly but that's another story. With this antenna there is no matching issues. It's straight in at 50 ohms.
I have been playing with a 160 version with another trap in it and the performance with the vertical element only 20 foot is really good on all bands, even 6 metres.

Roley
G3VIR

31559. Re: [ham-antennas] RE: Looking for vertical multi band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 14:35:18 UTC
From: Walt Wilson
Topic: 31517 Message: 31559

6BTV

From: rolandbrade@...
Sent: Tuesday, March 04, 2014 3:24 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Looking for vertical multi band

I agree the Butternut is a very good option if you don't mind all the coils hanging about. I have an HF9V and it works just great.
Another option is the trap L. Total length to cover 10-80 would be about 54 feet. Of course you would need some kind of sky hook like a tree etc. Another way round that would be to put up a flag pole and run the wire through that. Not seen it used over here as we don't tend to fly our flags, in fact the law only permits our flag to be flown on certain days, silly but that's another story. With this antenna there is no matching issues. It's straight in at 50 ohms.
I have been playing with a 160 version with another trap in it and the performance with the vertical element only 20 foot is really good on all bands, even 6 metres.

Roley
G3VIR

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4259 / Virus Database: 3705/7150 - Release Date: 03/04/14

31560. Re: 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 14:36:07 UTC
From: Thomas W4HM
Topic: 31519 Message: 31560

If you are using really long runs of window line/ladder line say in excess of 100 feet and especially with higher transmit power of 500 watts or more the 300 ohm line will have more heating and power loss than the 450 ohm line. And open wire line will have less loss than window line.

It's a function of the width of the two conducting wires apart (spacing) and the amount of plastic insulation that lies between the two wires. Allegedly 300 ohm ladder line/window line will provide an easier match with a balance antenna tuner than 450 ohm.

Then there is the issue of visibility and wind catch (sail). The 300 ohm window line/ladder line is the winner in those two categories.

I have used both 300 ohm and 450 ohm line on a myriad of antenna types from dipoles to end fed wires to loops to verticals. Also a myriad of balanced antenna tuners such as the MFJ-974HB, Palstar BT-1500A and Johnson Viking Match Box and have found no noticeable appreciable differences in tuning.

The exception is with the tuners. I have found that the MFJ-974HB provides the easiest match across the largest span of operating frequencies, followed by the Johnson Viking Matchbox. The Palstar is the loser as far as matching range, especially above 17 meters but it does have the least amount of power loss.

73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
http://www.solarcycle24.org
W4HM's Lakeland FL Daily Climatological Weather Date Archive:
http://www.lakelandfloridaweather.org
W4HM's Florida Daily Weather Discussion:
http://www.floridadailyweatherdiscussion.com

The Republic can survive a fool for a president. It is less likely to survive a multitude of fools, such as those who made him their president

---
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http://www.avast.com

31561. Re: [ham-antennas] Re: 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 14:56:00 UTC
From: james fisher
Topic: 31519 Message: 31561

I thought QST did a comparison with several tuners and the Palstar came out to have the best range.
Perhaps my memory if wrong and it was the most energy efficient .
I will have to look up that article. The article was in QST within a year or so .

James

On Tuesday, March 4, 2014 7:36 AM, Thomas W4HM <w4hm@...> wrote:

If you are using really long runs of window line/ladder line say in excess of 100 feet and especially with higher transmit power of 500 watts or more the 300 ohm line will have more heating and power loss than the 450 ohm line. And open wire line will have less loss than window line.

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73 & GUD DX,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@tampabay.rr.com

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
http://www.solarcycle24.org
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survive a multitude of fools, such as those who made him their president

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http://www.avast.com

31562. Video about 10 meters Yagi setup for portable.

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 16:02:13 UTC
From: <pu2clr@...>
Topic: 31562 Message: 31562

Hi all,
I would like to share with you my YouTube video showing a Yagi antenna setup for 10 meters.
I used the Buddipole 6 meters Yagi Kit and two extra arms.
See the video: https://www.youtube.com/watch?v=LNVY7OyRoiA
https://www.youtube.com/watch?v=LNVY7OyRoiA
The montage takes on average 10 minutes.
It is really an excellent choice for portable operation.
73.
PU2CLR.
Ricardo.

31563. Re: [ham-antennas] Video about 10 meters Yagi setup for portable.

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 18:29:17 UTC
From: Mark Pope
Topic: 31562 Message: 31563

Very NIce. Good video also.

Mark/W7MCP

On Tue, Mar 4, 2014 at 9:02 AM, <pu2clr@...> wrote:

>
>
> Hi all,
> I would like to share with you my YouTube video showing a Yagi antenna
> setup for 10 meters.
> I used the Buddipole 6 meters Yagi Kit and two extra arms.
> See the video: https://www.youtube.com/watch?v=LNVY7OyRoiA
> The montage takes on average 10 minutes.
> It is really an excellent choice for portable operation.
> 73.
> PU2CLR.
> Ricardo.
>
>
>

31564. Vertical On Slope

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 21:34:06 UTC
From: Kevin Kleinfelter
Topic: 31564 Message: 31564

I'd like to try a ground-mounted vertical. (I've got enough fear of falling that I just can't work up on my roof.)

The part of my lot which is away from power lines has a significant slope at about 20%. If I use ground-level radials and a vertical antenna, I'm not going to have a consistent angle between the radials and the radiator. Is 20% inconsequential? Would I be better off tilting the radiator to be perpendicular to my ground plane? Is a vertical simply impractical if you can't get a level ground plane?
TIA
Kevin / K4KPK

31565. Re: [ham-antennas] Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-04 22:24:39 UTC
From: Joe
Topic: 30541 Message: 31565
Attachments: 1 described; binary payloads are missing from this source WARC

I sure miss the old days. 1970's and early 80's.

Every band was S=0 it never rose above that unless there was a signal or lightning. That's IT!

But of course this was living on a Farm, closest neighbor was about a mile away. No computers, no plasma TV's etc. Even the AM broadcast band was quiet.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/3/2014 9:50 PM, Alex Netherton wrote:
>
>
> What time of day?
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> KC4BO
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> Alex Netherton
> http://blueridgediscovery.org
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>
> On Mon, Mar 3, 2014 at 7:33 PM, Kenneth G. Gordon
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> Conditions: Antenna tuned to resonance in the bottom section of each
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>
> 20 meters, CW wide (2.4 KHz bandwidth) - S-2: CW narrow (500 Hz
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> 30 meters, CW wide S-5, CW narrow S-2
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> 40 meters CW wide S-6, CW narrow S-1
>
> 60 meters CW wide S-6, CW narrow, S-2
>
> 80 meters CW wide S-9, CW narrow S-6
>

> Didn't try it on 160 yet, as I don't have my base loading coil
> installed
> and can't resonate the vertical there yet.
>
> Conclusion: markedly more noisy on 80
>
> Ken W7EKB
>
>
>
>
>

31566. Re: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 01:34:04 UTC
From: Kenneth G. Gordon
Topic: 30541 Message: 31566

On 3 Mar 2014 at 22:24, Artek Manuals wrote:

> Power line arcing somewhere .... about 1-4 blocks away ...been there
> done that
>
> Dave
> NR1DX

Looks like you're right, Dave. 20 db over S-9 on 80 meters. This is in addition to that periodic arcing the really wipes me out.

I dug out a small AM/FM/SW radio I have here and by rotating the radio, I can get the noise to peak and null. Trouble is, I cannot remember what the directional characteristics of a loopstick antenna are.

The "stick" is mounted horizontally inside along the top of the case, with the winding perpendicular to the long side of the case, or at 90 degrees to the "stick" since the coil is wound around the "stick".

If I am correct in my thinking, the null should be parallel to the "stick", i.e. off the ends, which would make it broadside to the loop/coil. So, if I "point" the radio at the source, it should null.

Am I remembering this correctly? Someone please correct me if I'm wrong.

(I and my wife are fighting some really terrible virus right now, and I am not thinking very clearly. We're sicker than we have been in years.)

Ken W7EKB

31567. Re: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 02:57:42 UTC
From: Artek Manuals
Topic: 30541 Message: 31567

Null is parallel to the stick, max broadside

Take a local map ...draw a line in the direction of the null.

Next drive a couple of blocks roughly perpendicular to null line and take another null reading draw a line along the 2nd null, where the two lines intersect is the rough location of the source. The more readings you take the better the pin pointing of the source. A portable 2M AM receiver (not FM !.... I use a cheapo Radio-Slock scanner) and 4 ele 2M yagi will allow you to pinpoint the noise to an insulator or transformer or faulty door bell transformer in someones house. The LF AM receiver has one draw back in that arcing transformers can conduct their noises for miles along the power-line, the 2M approach is better from this view once you get close. Think of it as trying to fox hunt a 2KW Spark Gap xmiter with the power lines as the antenna 8^). One of the criteria I had when searching for the current QTH was underground power lines

Good luck

Dave
NR1DX

On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
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> winding perpendicular to the long side of the case, or at 90 degrees
> to the

> "stick" since the coil is wound around the "stick".
>
> If I am correct in my thinking, the null should be parallel to the
> "stick",
> i.e. off the ends, which would make it broadside to the loop/coil. So,
> if I
> "point" the radio at the source, it should null.
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> Am I remembering this correctly? Someone please correct me if I'm wrong.
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> (I and my wife are fighting some really terrible virus right now, and
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> Ken W7EKB
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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31568. Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 03:50:30 UTC
From: <dcerrato1@...>
Topic: 31568 Message: 31568

All, A regular dipole radiates broad side of its elements, so a dipole pointing north and south radiates west and east. An inverted v radiates at it's points, so if it's pointed north and south, it radiates north and south. What about a rotatable dipole configured in a "v" configuration? A regular v, not inverted. How would that radiate? Thanks Doug Kb2uka

31569. Re: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 04:37:56 UTC
From: Geoff NW7GM
Topic: 30541 Message: 31569

Oh I wish we had UG power lines here in Seattle... If you want UG, you have
to pay big $$ and even then, the rest of the neighborhood will most likely
have overhead lines. :(

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 4, 2014 6:58 PM, "Artek Manuals" <nr1dx@...> wrote:

>
>
> Null is parallel to the stick, max broadside
>
> Take a local map ...draw a line in the direction of the null.
>
> Next drive a couple of blocks roughly perpendicular to null line and take
> another null reading draw a line along the 2nd null, where the two lines
> intersect is the rough location of the source. The more readings you take
> the better the pin pointing of the source. A portable 2M AM receiver (not
> FM !.... I use a cheapo Radio-Slock scanner) and 4 ele 2M yagi will allow
> you to pinpoint the noise to an insulator or transformer or faulty door
> bell transformer in someones house. The LF AM receiver has one draw back in
> that arcing transformers can conduct their noises for miles along the
> power-line, the 2M approach is better from this view once you get close.
> Think of it as trying to fox hunt a 2KW Spark Gap xmiter with the power
> lines as the antenna 8^). One of the criteria I had when searching for the
> current QTH was underground power lines
>
> Good luck
>
> Dave
> NR1DX
>
> On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
>
>
>
> On 3 Mar 2014 at 22:24, Artek Manuals wrote:
>
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> If I am correct in my thinking, the null should be parallel to the
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> i.e. off the ends, which would make it broadside to the loop/coil. So, if
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> "point" the radio at the source, it should null.
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> Am I remembering this correctly? Someone please correct me if I'm wrong.
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> (I and my wife are fighting some really terrible virus right now, and I am
> not
> thinking very clearly. We're sicker than we have been in years.)
>
> Ken W7EKB
>
>
>
> --
> DaveManuals@...
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

31570. Re: [ham-antennas] Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 04:40:24 UTC
From: Geoff NW7GM
Topic: 31568 Message: 31570

Why not download mmana-gal and model it?

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 4, 2014 7:50 PM, <dcerrato1@...> wrote:

>
>
> All, A regular dipole radiates broad side of its elements, so a dipole
> pointing north and south radiates west and east. An inverted v radiates at
> it's points, so if it's pointed north and south, it radiates north and
> south. What about a rotatable dipole configured in a "v" configuration? A
> regular v, not inverted. How would that radiate? Thanks Doug Kb2uka
>
>

31571. Re: [ham-antennas] Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 05:18:28 UTC
From: Artek Manuals
Topic: 31568 Message: 31571

An V antenna (inverted or not) has "some" radiation off the ends but the majority of the radiation is still broadside off the sides. The end radiation at moderate heights is slightly better with the inverted V as compared to an upright V. The other difference is that the end radiation from the V's is vertically polarized and the broad side radiation is horizontally polarized. This only makes a difference in line of sight communication (typically VHF and above) with HF antennas which communicate largely through reflections off the ionosphere this is largely inconsequential. The degree of radiation off the ends is a function of the included angle of the V. For modest ange;s (90 degrees +/- 30 degrees) the end radiation increases as the included angle gets sharper

Dave
NR1DX

On 3/4/2014 9:50 PM, dcerrato1@... wrote:
>
> All, A regular dipole radiates broad side of its elements, so a dipole
> pointing north and south radiates west and east. An inverted v
> radiates at it's points, so if it's pointed north and south, it
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Dave
Manuals@...
www.ArtekManuals.com

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31572. Re: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 05:25:34 UTC
From: Artek Manuals
Topic: 30541 Message: 31572

In my particular area (heavily wooded) I am told that the amount of outage and repair time due to tree limbs on the lines was the deciding factor. It was cheaper in the end for the power co-op to bury the lines than to send crews out 6 times a year to replace a broken line. The machine that they use to bury lines is an amazing piece of technology. It basically drills horizontally for 100's of feet leaving the surface undisturbed ...

Dave
NR1DX

On 3/4/2014 10:37 PM, Geoff NW7GM wrote:
>
> Oh I wish we had UG power lines here in Seattle... If you want UG, you
> have to pay big $$ and even then, the rest of the neighborhood will
> most likely have overhead lines. :(
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> the noise to an insulator or transformer or faulty door bell
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> miles along the power-line, the 2M approach is better from this
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> underground power lines
>
> Good luck
>

> Dave
> NR1DX
>
> On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
>>
>> On 3 Mar 2014 at 22:24, Artek Manuals wrote:
>>
>> > Power line arcing somewhere .... about 1-4 blocks away ...been
>> there
>> > done that
>> >
>> > Dave
>> > NR1DX
>>
>> Looks like you're right, Dave. 20 db over S-9 on 80 meters. This
>> is in addition
>> to that periodic arcing the really wipes me out.
>>
>> I dug out a small AM/FM/SW radio I have here and by rotating the
>> radio, I can
>> get the noise to peak and null. Trouble is, I cannot remember
>> what the
>> directional characteristics of a loopstick antenna are.
>>
>> The "stick" is mounted horizontally inside along the top of the
>> case, with the
>> winding perpendicular to the long side of the case, or at 90
>> degrees to the
>> "stick" since the coil is wound around the "stick".
>>
>> If I am correct in my thinking, the null should be parallel to
>> the "stick",
>> i.e. off the ends, which would make it broadside to the
>> loop/coil. So, if I
>> "point" the radio at the source, it should null.
>>
>> Am I remembering this correctly? Someone please correct me if I'm
>> wrong.
>>
>> (I and my wife are fighting some really terrible virus right now,
>> and I am not
>> thinking very clearly. We're sicker than we have been in years.)
>>
>> Ken W7EKB
>>
>
>
> --
> Dave
> Manuals@... <mailto:Manuals@...>

> www.ArtekManuals.com <http://www.ArtekManuals.com>
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
> Antivirus <http://www.avast.com/> protection is active.
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31573. Re: [ham-antennas] Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 12:05:51 UTC
From: Doug Cerrato
Topic: 31568 Message: 31573

Thanks!
Doug
Kb2uka

Sent from my iPhone

> On Mar 5, 2014, at 12:18 AM, Artek Manuals <nr1dx@...> wrote:
>
> An V antenna (inverted or not) has "some" radiation off the ends but the majority of the radiation is still broadside off the sides. The end radiation at moderate heights is slightly better with the inverted V as compared to an upright V. The other difference is that the end radiation from the V's is vertically polarized and the broad side radiation is horizontally polarized. This only makes a difference in line of sight communication (typically VHF and above) with HF antennas which communicate largely through reflections off the ionosphere this is largely inconsequential. The degree of radiation off the ends is a function of the included angle of the V. For modest ange;s (90 degrees +/- 30 degrees) the end radiation increases as the included angle gets sharper
>
> Dave
> NR1DX
>
>
>> On 3/4/2014 9:50 PM, dcerrato1@... wrote:
>>
>> All, A regular dipole radiates broad side of its elements, so a dipole pointing north and south radiates west and east. An inverted v radiates at it's points, so if it's pointed north and south, it radiates north and south. What about a rotatable dipole configured in a "v" configuration? A regular v, not inverted. How would that radiate? Thanks Doug Kb2uka
>>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>
>

31574. Re: [ham-antennas] Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 13:44:03 UTC
From: Joe
Topic: 31568 Message: 31574
Attachments: 1 described; binary payloads are missing from this source WARC

No,
An inverted VEE is pretty well omnidirectional. Broadside to it's elements like the regular dipole it is more or less horizontally polarized. and radiates broadside to the wires.

But off the ends instead of the Null that is typically found there in a flat dipole. you have a vertically polarized wave leaving.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/4/2014 9:50 PM, dcerrato1@... wrote:
>
>
> All, A regular dipole radiates broad side of its elements, so a dipole
> pointing north and south radiates west and east. An inverted v
> radiates at it's points, so if it's pointed north and south, it
> radiates north and south. What about a rotatable dipole configured in
> a "v" configuration? A regular v, not inverted. How would that
> radiate? Thanks Doug Kb2uka
>
>

31575. Re: 300 ohm vs. 450 ohm--difference?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 15:09:36 UTC
From: John Flynn
Topic: 31519 Message: 31575

Tnx everyong for the responses.

73

John K4ARQ

On Mon, Mar 3, 2014 at 10:33 AM, John Flynn <gio.flynn@...> wrote:

> Good Day Everyone,
>
> I'm planning on building a ladder-line fed antenna--dipole or end-fed. Is
> there any significant difference in use between 300 ohm and 450 ohm line?
>
> Tnx es 73
>
> John K4ARQ
>
> --
> John Flynn
> Tallahassee, Florida
> USA
>

--
John Flynn
Tallahassee, Florida
USA

31576. 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 16:43:18 UTC
From: <dazzmos@...>
Topic: 2344 Message: 31576

hi , I want to make A two meter portable antenna to poke out the top of my rucksack. I am thinking a roll up slim Jim on a telescopic poll but does anybody else have any other ideas. Many thanks Darren

31577. RE: Dipole radiation question

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 16:49:16 UTC
From: <dazzmos@...>
Topic: 31568 Message: 31577

In my experience I don't think you need to worry although the radiation does not go out the ends, if you look at the radiation pattern from side radio waves still go upwards from the ends of the dipole at approximately 45° so you may not get someone closer to you but you will get someone further away

31578. Re: [ham-antennas] 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 16:59:40 UTC
From: Timothy-Allen Albertson
Topic: 2344 Message: 31578

Your basic twin lead fold up J-Pole will work just fine.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Wed, Mar 5, 2014 at 10:43 AM, <dazzmos@...> wrote:

>
>
> hi , I want to make A two meter portable antenna to poke out the top of my
> rucksack. I am thinking a roll up slim Jim on a telescopic poll but does
> anybody else have any other ideas.
> Many thanks Darren
>
>
>

31579. tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 17:45:19 UTC
From: <dazzmos@...>
Topic: 31579 Message: 31579

I was talking to an old chap yesterday and he mentioned that he knew somebody that used to make antennas out of a tree by hitting in a nail and using the actual tree as the antenna !!! Has anybody else done this ?

31580. Re: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 17:51:28 UTC
From: Mel Farrer
Topic: 31579 Message: 31580

Take a look at this.

http://www.rexresearch.com/squier/squier.htm

Mel, K6KBE

On Wednesday, March 5, 2014 9:45 AM, "dazzmos@..." <dazzmos@...> wrote:

I was talking to an old chap yesterday and he mentioned that he knew somebody that used to make antennas out of a tree by hitting in a nail and using the actual tree as the antenna !!!
Has anybody else done this ?

31581. Re: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 17:54:49 UTC
From: Kenneth G. Gordon
Topic: 31579 Message: 31581

On 5 Mar 2014 at 9:45, dazzmos@... wrote:

> I was talking to an old chap yesterday and he mentioned that he knew somebody
> that used to make antennas out of a tree by hitting in a nail and using the
> actual tree as the antenna !!! Has anybody else done this ?

As a matter of fact, the U.S. Army did considerable research on this. I may be able to find the report on it or perhaps I can point you toward the report.

Also, a couple of the guys on the 600 Meter Research Group who have experimental licenses in the 472 KHz region have experimented with those too.

One fellow built a large coil around a tree to inductively couple the output of his transmitter to it. I think that was Ralph Hartwell W5JGV. He wrote up his experiences with it, and posted that to his website. If you search on W5JGV or on 500kc.com you should be able to find that info.

He called it his "Tree-Tenna".

Ken W7EKB

31582. Re: [ham-antennas] Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:11:30 UTC
From: Kenneth G. Gordon
Topic: 31579 Message: 31582

OK. Once I have tracked down and "killed" the 20db over S-9 noise level I am presently experiencing, I would like to attempt the installation of a horizontal loop here.

From what I can figure out so far, it will be 50 feet long on the short sides (E-W) and about 100' on the long sides (N-S), making the total length 300 feet or 91.5 meters.

I think I can get it up to about 25 feet, which to me, means that it will be an NVIS cloud-burner. Not sure how much good that will do me.

I have about 100' of 450 ohm open-wire line, and am thinking of feeding the antenna at the NW corner of the loop, since that would be closest to the shack.

I also have an excellent balanced antenna coupler I built and used with my VanGordon All-bander about 40 years ago using very wide-spaced capacitors and large high-current coils taken out of a Wilcox 96A.

So, what does the collective wisdom think of this? Am I barking up the wrong tree?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31583. Re: [ham-antennas] Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:34:29 UTC
From: Mel Farrer
Topic: 31579 Message: 31583

Well, you didn't say what frequencies you will use it on, but up to 60 meters it is NVIS and omni. Above that it get multi lobed. A lot of work for not much improvement over any NVIS antenna.

Mel, K6KBE

On Wednesday, March 5, 2014 10:12 AM, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

OK. Once I have tracked down and "killed" the 20db over S-9 noise level I am presently experiencing, I would like to attempt the installation of a horizontal loop here.

From what I can figure out so far, it will be 50 feet long on the short sides (E-W) and about 100' on the long sides (N-S), making the total length 300 feet or 91.5 meters.

I think I can get it up to about 25 feet, which to me, means that it will be an NVIS cloud-burner. Not sure how much good that will do me.

I have about 100' of 450 ohm open-wire line, and am thinking of feeding the antenna at the NW corner of the loop, since that would be closest to the shack.

I also have an excellent balanced antenna coupler I built and used with my VanGordon All-bander about 40 years ago using very wide-spaced capacitors and large high-current coils taken out of a Wilcox 96A.

So, what does the collective wisdom think of this? Am I barking up the wrong tree?

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31584. AW: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:40:04 UTC
From: siegfried jackstien
Topic: 30541 Message: 31584

Here in dl nearly ALL IS UG

Only the high voltage overland lines are still on their big metal poles ...
but when it comes down to 230 ac ... it also comes down in the ground

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Mittwoch, 5. März 2014 04:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Noise level by band - loopstick pattern?
>
>
>
> Oh I wish we had UG power lines here in Seattle... If you want UG, you
> have to pay big $$ and even then, the rest of the neighborhood will most
> likely have overhead lines. :(
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Mar 4, 2014 6:58 PM, "Artek Manuals" <nr1dx@...> wrote:
>
>
>
>
>
>
> Null is parallel to the stick, max broadside
>
> Take a local map ...draw a line in the direction of the null.
>
> Next drive a couple of blocks roughly perpendicular to null line
> and take another null reading draw a line along the 2nd null, where the
> two lines intersect is the rough location of the source. The more readings
> you take the better the pin pointing of the source. A portable 2M AM
> receiver (not FM !.... I use a cheapo Radio-Slock scanner) and 4 ele 2M
> yagi will allow you to pinpoint the noise to an insulator or transformer
> or faulty door bell transformer in someones house. The LF AM receiver has
> one draw back in that arcing transformers can conduct their noises for
> miles along the power-line, the 2M approach is better from this view once

> you get close. Think of it as trying to fox hunt a 2KW Spark Gap xmiter
> with the power lines as the antenna 8^). One of the criteria I had when
> searching for the current QTH was underground power lines
>
> Good luck
>
> Dave
> NR1DX
>
> On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
>
>
>
>
> On 3 Mar 2014 at 22:24, Artek Manuals wrote:
>
> > Power line arcing somewhere .... about 1-4 blocks away
> ...been there
> > done that
> >
> > Dave
> > NR1DX
>
> Looks like you're right, Dave. 20 db over S-9 on 80 meters.
> This is in addition
> to that periodic arcing the really wipes me out.
>
> I dug out a small AM/FM/SW radio I have here and by rotating
> the radio, I can
> get the noise to peak and null. Trouble is, I cannot
remember
> what the
> directional characteristics of a loopstick antenna are.
>
> The "stick" is mounted horizontally inside along the top of
> the case, with the
> winding perpendicular to the long side of the case, or at 90
> degrees to the
> "stick" since the coil is wound around the "stick".
>
> If I am correct in my thinking, the null should be parallel
to
> the "stick",
> i.e. off the ends, which would make it broadside to the
> loop/coil. So, if I
> "point" the radio at the source, it should null.
>
> Am I remembering this correctly? Someone please correct me
if
> I'm wrong.

>
> (I and my wife are fighting some really terrible virus right
> now, and I am not
> thinking very clearly. We're sicker than we have been in
> years.)
>
> Ken W7EKB
>
>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ---
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
>
>
>

31585. AW: [ham-antennas] Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:41:57 UTC
From: siegfried jackstien
Topic: 31579 Message: 31585

You will love your loop :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Kenneth G. Gordon
> Gesendet: Mittwoch, 5. März 2014 18:12
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Horizontal loop.
>
>
>
> OK. Once I have tracked down and "killed" the 20db over S-9 noise level I
> am
> presently experiencing, I would like to attempt the installation of a
> horizontal loop here.
>
> From what I can figure out so far, it will be 50 feet long on the short
> sides
> (E-W) and about 100' on the long sides (N-S), making the total length 300
> feet
> or 91.5 meters.
>
> I think I can get it up to about 25 feet, which to me, means that it will
> be an
> NVIS cloud-burner. Not sure how much good that will do me.
>
> I have about 100' of 450 ohm open-wire line, and am thinking of feeding
> the
> antenna at the NW corner of the loop, since that would be closest to the
> shack.
>
> I also have an excellent balanced antenna coupler I built and used with my
> VanGordon All-bander about 40 years ago using very wide-spaced capacitors
> and
> large high-current coils taken out of a Wilcox 96A.
>
> So, what does the collective wisdom think of this? Am I barking up the
> wrong
> tree?
>
> Kenneth G. Gordon W7EKB
>

> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>

31586. AW: [ham-antennas] 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:44:38 UTC
From: siegfried jackstien
Topic: 2344 Message: 31586

What about a jpole but radiator made from a metal tape (you sure know the metal tape yagi that others use for foxhunting)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dazzmos@...
> Gesendet: Mittwoch, 5. März 2014 16:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 2 meter portable antenna
>
>
>
> hi , I want to make A two meter portable antenna to poke out the top of my
> rucksack. I am thinking a roll up slim Jim on a telescopic poll but does
> anybody else have any other ideas.
> Many thanks Darren
>
>

31587. Re: AW: [ham-antennas] 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:51:23 UTC
From: Mel Farrer
Topic: 2344 Message: 31587

I like the idea of using the walking stick approach. It will certainly carry any jpole etc. And if yours is like mine with a metal point on the end, you can drive it into the ground nicely. A thought.

Mel, K6KBE

On Wednesday, March 5, 2014 10:47 AM, siegfried jackstien <siegfried.jackstien@...> wrote:

What about a jpole but radiator made from a metal tape (you sure know the
metal tape yagi that others use for foxhunting)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dazzmos@...
> Gesendet: Mittwoch, 5. März 2014 16:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 2 meter portable antenna
>
>
>
> hi , I want to make A two meter portable antenna to poke out the top of my
> rucksack. I am thinking a roll up slim Jim on a telescopic poll but does
> anybody else have any other ideas.
> Many thanks Darren
>
>

31588. Re: [ham-antennas] Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 18:57:56 UTC
From: Kenneth G. Gordon
Topic: 31579 Message: 31588

On 5 Mar 2014 at 10:34, Mel Farrer wrote:

> Well, you didn't say what frequencies you will use it on,

160 meters on up.

> but up to 60 meters it
> is NVIS and omni. Above that it get multi lobed. A lot of work for not much
> improvement over any NVIS antenna.

Well, my present 55' vertical is not an NVIS antenna. I use it on 160 meters
and up.

Ken W7EKB

31589. Re: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 19:37:11 UTC
From: Paul V Birke PEng
Topic: 31579 Message: 31589

A FRACTAL TREE ANTENNA IN ONE STROKE (PUN INTENDED)

BEST PAUL

SHOULD BE A COPPER OR ALUMINUM SPIKE PERHAPS

On Wednesday, March 5, 2014 12:54:47 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 5 Mar 2014 at 9:45, dazzmos@... wrote:

> I was talking to an old chap yesterday and he mentioned that he knew somebody
> that used to make antennas out of a tree by hitting in a nail and using the
> actual tree as the antenna !!! Has anybody else done this ?

As a matter of fact, the U.S. Army did considerable research on this. I may be
able to find the report on it or perhaps I can point you toward the report.

Also, a couple of the guys on the 600 Meter Research Group who have
experimental licenses in the 472 KHz region have experimented with those too.

One fellow built a large coil around a tree to inductively couple the output of
his transmitter to it. I think that was Ralph Hartwell W5JGV. He wrote up his
experiences with it, and posted that to his website. If you search on W5JGV or
on 500kc.com you should be able to find that info.

He called it his "Tree-Tenna".

Ken W7EKB

31590. RE: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 19:57:03 UTC
From: <kq2rp.cw@...>
Topic: 2344 Message: 31590

Quickie small packable 2m dipole - If you have old TV stuff laying around, look for a set of telescopic rabbit-ears they used to include to stick in a hole in the top of the set. Take off the twinlead & hook coax shield to one side, center conductor to the other (usually whips are secured w/ screw & nut into plastic base). Extend each whip to about 19" or so and mark.

~kq2rp

31591. Re: [ham-antennas] Proposed Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 20:21:24 UTC
From: Kenneth G. Gordon
Topic: 31591 Message: 31591

I wonder what the advantage would be to mount this thing at 90 feet....or something a bit lower? Say, 66 feet?

Ken W7EKB

31592. RE: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 20:25:19 UTC
From: <dazzmos@...>
Topic: 2344 Message: 31592

Yes I forgot about that ... I used to use one in a v shape

31593. RE: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 20:29:06 UTC
From: <dazzmos@...>
Topic: 2344 Message: 31593

yes i forgot about that ... i used to use one in a v shape I need to do some tests to compair over the rubber duck

31594. Re: [ham-antennas] Proposed Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 20:30:05 UTC
From: <soona4sail@...>
Topic: 31591 Message: 31594

I have my loop at abut 85 ft (550 ft loop) and it appears to have a lower angle of radiation, than when installed at around 30 or 40 ft. The DX capabilities on the higher bands are exceptional.

Good luck
73 John

31595. RE: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 20:42:14 UTC
From: <dazzmos@...>
Topic: 2344 Message: 31595

sounds good ..... I tried making a j pole from speaker wire but couldn't get the swr down (i used the same measurements as the twin feeder line) don't know if it should be different ?

31596. Re: [ham-antennas] Vertical On Slope

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 21:23:18 UTC
From: Original Woodchuck
Topic: 31564 Message: 31596

On Tue, Mar 04, 2014 at 04:34:06PM -0500, Kevin Kleinfelter wrote:
> I'd like to try a ground-mounted vertical. (I've got enough fear of
> falling that I just can't work up on my roof.)
>
> The part of my lot which is away from power lines has a significant slope
> at about 20%. If I use ground-level radials and a vertical antenna, I'm
> not going to have a consistent angle between the radials and the radiator.
> Is 20% inconsequential? Would I be better off tilting the radiator to be
> perpendicular to my ground plane? Is a vertical simply impractical if you
> can't get a level ground plane?
> TIA
> Kevin / K4KPK

My impression is that barring the sort of fields that exist near
a stellar-massed object, radio waves are unaffected by gravity.

So a vertical that is "vertical" on a slope is the same, electrically,
as a tilted vertical on level ground.

A vertical that is perpendicular to tilted ground can have a very low
radiation angle, even negative (with respect to the horizontal) in the
downhill direction.

There are remarks also about horizontal antennas.

In my particular case, the downhill angle points towards Europe.

Dave AB3NR

31597. Re: [ham-antennas] Proposed Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 21:26:21 UTC
From: Gerald Bishop
Topic: 31591 Message: 31597

Mine is at 38 ft- Works well on 80,40 30 and 20 mtrs de W8KQ
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <Ham-antennas@yahoogroups.com>
Sent: Wednesday, March 05, 2014 3:21 PM
Subject: Re: [ham-antennas] Proposed Horizontal loop.

>I wonder what the advantage would be to mount this thing at 90 feet....or
> something a bit lower? Say, 66 feet?
>
> Ken W7EKB
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31598. Re: [ham-antennas] RE: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 21:40:02 UTC
From: Kevin Kleinfelter
Topic: 2344 Message: 31598

For 2m, I like a 1/4 wave whip with a dangling "tiger tail" (wire counterpoise attached to shield). For APRS tracking, I have a pocket in my backpack with a tiny hole in the bottom and an open top. With the HT in the pocket, the whip extends out the top and the wire dangles through the bottom.

Of course, when I use it handheld, the wire just dangles in front of me.

This works pretty well, unless you want your antenna up at 30 feet. Then you have to reach really far to engage PTT. ;-)
Kevin / K4KPK

On Wed, Mar 5, 2014 at 2:57 PM, <kq2rp.cw@...> wrote:

>
>
> Quickie small packable 2m dipole - If you have old TV stuff laying around,
> look for a set of telescopic rabbit-ears they used to include to stick in a
> hole in the top of the set. Take off the twinlead & hook coax shield to
> one side, center conductor to the other (usually whips are secured w/ screw
> & nut into plastic base). Extend each whip to about 19" or so and mark.
>
> ~kq2rp
>
>

31599. Re: [ham-antennas] Vertical On Slope

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 21:50:21 UTC
From: Keith Heimbold
Topic: 31564 Message: 31599

I had a butternut HF6V on a 55 degree slope at 210' to near sea level and it worked great. I think you will find benefit from the sloping terrain from a DX perspective. Benefits include benefits in lower takeoff angle. I had my antenna elevated at about 8' and used stub tuned radials. So that could have made a difference. You are definitely asking the right people here. My results are anecdotal.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Mar 4, 2014, at 1:34 PM, "Kevin Kleinfelter" <kleinfelter.groups@gmail.com> wrote:
>
> I'd like to try a ground-mounted vertical. (I've got enough fear of falling that I just can't work up on my roof.)
>
> The part of my lot which is away from power lines has a significant slope at about 20%. If I use ground-level radials and a vertical antenna, I'm not going to have a consistent angle between the radials and the radiator. Is 20% inconsequential? Would I be better off tilting the radiator to be perpendicular to my ground plane? Is a vertical simply impractical if you can't get a level ground plane?
> TIA
> Kevin / K4KPK
>
>

31600. Re: [ham-antennas] Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 22:17:09 UTC
From: Mel Farrer
Topic: 31579 Message: 31600

Well, the loop will be much quieter. Good Luck, and fun to put up.

Mel, K6KBE

On Wednesday, March 5, 2014 11:01 AM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 5 Mar 2014 at 10:34, Mel Farrer wrote:

> Well, you didn't say what frequencies you will use it on,

160 meters on up.

> but up to 60 meters it
> is NVIS and omni. Above that it get multi lobed. A lot of work for not much
> improvement over any NVIS antenna.

Well, my present 55' vertical is not an NVIS antenna. I use it on 160 meters
and up.

Ken W7EKB

31601. Re: [ham-antennas] 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 22:41:04 UTC
From: Craig Palmer KF5JYZ
Topic: 2344 Message: 31601

maybe a bit heavy for a walking stick.But as height is very important here , a thought. One of those poles you use to change out light bulbs way up there in the ceiling? I am going to be using one myself.

Craig

From: Mel Farrer
Sent: Wednesday, March 05, 2014 12:51 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] 2 meter portable antenna

I like the idea of using the walking stick approach. It will certainly carry any jpole etc. And if yours is like mine with a metal point on the end, you can drive it into the ground nicely. A thought.

Mel, K6KBE

On Wednesday, March 5, 2014 10:47 AM, siegfried jackstien <siegfried.jackstien@freenet.de> wrote:

What about a jpole but radiator made from a metal tape (you sure know the
metal tape yagi that others use for foxhunting)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dazzmos@yahoo.co.uk
> Gesendet: Mittwoch, 5. März 2014 16:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 2 meter portable antenna
>
>
>
> hi , I want to make A two meter portable antenna to poke out the top of my
> rucksack. I am thinking a roll up slim Jim on a telescopic poll but does
> anybody else have any other ideas.
> Many thanks Darren
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7153 - Release Date: 03/04/14

31602. RE: [ham-antennas] 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 22:51:33 UTC
From: James M. Geidl
Topic: 2344 Message: 31602

Quick effortless way to get height for a little antenna like this is with a Jackkite pole. You can get them that telescope out to 28' from about 4' and they are relatively light weight.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Craig Palmer KF5JYZ
Sent: Wednesday, March 05, 2014 2:41 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 2 meter portable antenna

maybe a bit heavy for a walking stick.But as height is very important here , a thought. One of those poles you use to change out light bulbs way up there in the ceiling? I am going to be using one myself.

Craig

From: Mel Farrer <mailto:farrerfolks@...>
Sent: Wednesday, March 05, 2014 12:51 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] 2 meter portable antenna

I like the idea of using the walking stick approach. It will certainly carry any jpole etc. And if yours is like mine with a metal point on the end, you can drive it into the ground nicely. A thought.

Mel, K6KBE

On Wednesday, March 5, 2014 10:47 AM, siegfried jackstien <siegfried.jackstien@...> wrote:

What about a jpole but radiator made from a metal tape (you sure know the metal tape yagi that others use for foxhunting)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von dazzmos@...
> Gesendet: Mittwoch, 5. März 2014 16:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 2 meter portable antenna

>
>
>
> hi , I want to make A two meter portable antenna to poke out the top of my
> rucksack. I am thinking a roll up slim Jim on a telescopic poll but does
> anybody else have any other ideas.
> Many thanks Darren
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4335 / Virus Database: 3705/7153 - Release Date: 03/04/14

31603. Re: AW: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-05 23:52:15 UTC
From: Geoff NW7GM
Topic: 30541 Message: 31603

That's how it is in most areas of Phoenix, where I grew up. Not so here in Seattle.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 5, 2014 10:42 AM, "siegfried jackstien" <
siegfried.jackstien@...> wrote:

>
>
> Here in dl nearly ALL IS UG
>
> Only the high voltage overland lines are still on their big metal poles ...
> but when it comes down to 230 ac ... it also comes down in the ground
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Mittwoch, 5. März 2014 04:38
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Noise level by band - loopstick pattern?
> >
> >
> >
> > Oh I wish we had UG power lines here in Seattle... If you want UG, you
> > have to pay big $$ and even then, the rest of the neighborhood will most
> > likely have overhead lines. :(
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> > On Mar 4, 2014 6:58 PM, "Artek Manuals" <nr1dx@...> wrote:
> >
> >
> >
> >
> >
> >

> > Null is parallel to the stick, max broadside
> >
> > Take a local map ...draw a line in the direction of the null.
> >
> > Next drive a couple of blocks roughly perpendicular to null line
> > and take another null reading draw a line along the 2nd null, where the
> > two lines intersect is the rough location of the source. The more
> readings
> > you take the better the pin pointing of the source. A portable 2M AM
> > receiver (not FM !.... I use a cheapo Radio-Slock scanner) and 4 ele 2M
> > yagi will allow you to pinpoint the noise to an insulator or transformer
> > or faulty door bell transformer in someones house. The LF AM receiver has
> > one draw back in that arcing transformers can conduct their noises for
> > miles along the power-line, the 2M approach is better from this view once
> > you get close. Think of it as trying to fox hunt a 2KW Spark Gap xmiter
> > with the power lines as the antenna 8^). One of the criteria I had when
> > searching for the current QTH was underground power lines
> >
> > Good luck
> >
> > Dave
> > NR1DX
> >
> > On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
> >
> >
> >
> >
> > On 3 Mar 2014 at 22:24, Artek Manuals wrote:
> >
> > > Power line arcing somewhere .... about 1-4 blocks away
> > ...been there
> > > done that
> > >
> > > Dave
> > > NR1DX
> >
> > Looks like you're right, Dave. 20 db over S-9 on 80 meters.
> > This is in addition
> > to that periodic arcing the really wipes me out.
> >
> > I dug out a small AM/FM/SW radio I have here and by rotating
> > the radio, I can
> > get the noise to peak and null. Trouble is, I cannot
> remember
> > what the
> > directional characteristics of a loopstick antenna are.
> >
> > The "stick" is mounted horizontally inside along the top of
> > the case, with the

> > winding perpendicular to the long side of the case, or at 90
> > degrees to the
> > "stick" since the coil is wound around the "stick".
> >
> > If I am correct in my thinking, the null should be parallel
> to
> > the "stick",
> > i.e. off the ends, which would make it broadside to the
> > loop/coil. So, if I
> > "point" the radio at the source, it should null.
> >
> > Am I remembering this correctly? Someone please correct me
> if
> > I'm wrong.
> >
> > (I and my wife are fighting some really terrible virus right
> > now, and I am not
> > thinking very clearly. We're sicker than we have been in
> > years.)
> >
> > Ken W7EKB
> >
> >
> >
> >
> > --
> > Dave
> > Manuals@ArtekManuals.com
> > www.ArtekManuals.com
> >
> >
> > _____
> >
> > <http://www.avast.com/> This email is free from viruses and malware
> > because avast! Antivirus <http://www.avast.com/> protection is active.
> >
> >
> >
>
>
>

31604. Re: AW: [ham-antennas] Noise level by band - loopstick pattern?

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:05:23 UTC
From: Mel Farrer
Topic: 30541 Message: 31604

Somewhere on a ocean trip I bought a Sony AM/SW radio that fits in the palm of your hand. Goes to 18MHz. Has both a lipstick and a telescoping whip. I can attest that the loop-stick has located several noise sources using the null. I even put a sticker on the back to indicate the null. Some sources were only in the AM band others quite narrow in frequency. A thought.

Mel, K6KBE

On Wednesday, March 5, 2014 3:52 PM, Geoff NW7GM <geoff.nw7gm@...> wrote:

That's how it is in most areas of Phoenix, where I grew up. Not so here in Seattle.
Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 5, 2014 10:42 AM, "siegfried jackstien" <siegfried.jackstien@...> wrote:

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>Here in dl nearly ALL IS UG
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>Only the high voltage overland lines are still on their big metal poles ...
>but when it comes down to 230 ac ... it also comes down in the ground
>
>Dg9bfc
>
>Sigi
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Geoff NW7GM
>> Gesendet: Mittwoch, 5. März 2014 04:38
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Noise level by band - loopstick pattern?
>>
>>
>>
>> Oh I wish we had UG power lines here in Seattle... If you want UG, you
>> have to pay big $$ and even then, the rest of the neighborhood will most
>> likely have overhead lines. :(
>>
>> Geoff, NW7GM
>> Seattle, WA
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>> On Mar 4, 2014 6:58 PM, "Artek Manuals" <nr1dx@...> wrote:
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>> Null is parallel to the stick, max broadside
>>
>> Take a local map ...draw a line in the direction of the null.
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>> Next drive a couple of blocks roughly perpendicular to null line
>> and take another null reading draw a line along the 2nd null, where the
>> two lines intersect is the rough location of the source. The more readings
>> you take the better the pin pointing of the source. A portable 2M AM
>> receiver (not FM !.... I use a cheapo Radio-Slock scanner) and 4 ele 2M
>> yagi will allow you to pinpoint the noise to an insulator or transformer
>> or faulty door bell transformer in someones house. The LF AM receiver has
>> one draw back in that arcing transformers can conduct their noises for
>> miles along the power-line, the 2M approach is better from this view once
>> you get close. Think of it as trying to fox hunt a 2KW Spark Gap xmiter
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>> Good luck
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>> Dave
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>>
>> On 3/4/2014 7:34 PM, Kenneth G. Gordon wrote:
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>> > Power line arcing somewhere .... about 1-4 blocks away
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>> >
>> > Dave
>> > NR1DX
>>
>> Looks like you're right, Dave. 20 db over S-9 on 80 meters.
>> This is in addition
>> to that periodic arcing the really wipes me out.
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>> I dug out a small AM/FM/SW radio I have here and by rotating
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>> get the noise to peak and null. Trouble is, I cannot
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>> what the
>> directional characteristics of a loopstick antenna are.

>>
>> The "stick" is mounted horizontally inside along the top of
>> the case, with the
>> winding perpendicular to the long side of the case, or at 90
>> degrees to the
>> "stick" since the coil is wound around the "stick".
>>
>> If I am correct in my thinking, the null should be parallel
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>> the "stick",
>> i.e. off the ends, which would make it broadside to the
>> loop/coil. So, if I
>> "point" the radio at the source, it should null.
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>> Am I remembering this correctly? Someone please correct me
>if
>> I'm wrong.
>>
>> (I and my wife are fighting some really terrible virus right
>> now, and I am not
>> thinking very clearly. We're sicker than we have been in
>> years.)
>>
>> Ken W7EKB
>>
>>
>>
>>
>> --
>> Dave
>> Manuals@...
>> www.ArtekManuals.com
>>
>>
>> _____
>>
>> <http://www.avast.com/> This email is free from viruses and malware
>> because avast! Antivirus <http://www.avast.com/> protection is active.
>>
>>
>>
>
>

31605. RE: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:32:19 UTC
From: William Collister
Topic: 31579 Message: 31605

Copper spikes typically kill trees as does copper sulphate on stumps....I would use another metal.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: nonlinear@...
Date: Wed, 5 Mar 2014 11:37:11 -0800
Subject: Re: [ham-antennas] tree antenna

A FRACTAL TREE ANTENNA IN ONE STROKE (PUN INTENDED)

BEST PAUL

SHOULD BE A COPPER OR ALUMINUM SPIKE PERHAPS

On Wednesday, March 5, 2014 12:54:47 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 5 Mar 2014 at 9:45, dazzmos@... wrote:

> I was talking to an old chap yesterday and he mentioned that he knew somebody
> that used to make antennas out of a tree by hitting in a nail and using the
> actual tree as the antenna !!! Has anybody else done this ?

As a matter of fact, the U.S. Army did considerable research on this. I may be able to find the report on it or perhaps I can point you toward the report.

Also, a couple of the guys on the 600 Meter Research Group who have experimental licenses in the 472 KHz region have experimented with those too.

One fellow built a large coil around a tree to inductively couple the output of his transmitter to it. I think that was Ralph Hartwell W5JGV. He wrote up his experiences with it, and posted that to his website. If you search on W5JGV or on 500kc.com you should be able to find that info.

He called it his "Tree-Tenna".

Ken W7EKB

31606. Re: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:33:29 UTC
From: Brian Carling
Topic: 2344 Message: 31606

I dunno guys. A lot of bad reviews for Jackite.
You can buy two gray plastic conduits 1.5" diameter that will telescope together and form a sturdy 20' pole to support wire antennas or a vertical, from Home Depot. They are $2.00 and change each! A lot less expensive than a Jackite and probably a lot stronger in a wind.

Best regards - Bry Carling

31607. Re: Proposed Horizontal loop.

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:40:02 UTC
From: mikerodgerske5gbc@...
Topic: 31591 Message: 31607

You must get it high enough to be 1/2 wavelength on the fundamental frequency to make much difference.

Mine is 20' and the plots I have for 20&50 are not significantly different.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31608. Re: [ham-antennas] Re: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:44:13 UTC
From: Kevin Kleinfelter
Topic: 2344 Message: 31608

I have a Jackite. I have a German mast of the same length, but much shorter when collapsed. I also have two carbon fiber masts. (Hi. I'm Kevin, and I have an antenna mast problem.)

If you want a 30 foot "parking lot portable" mast, the Jackite is fine. If you're going to carry it 5 miles up the side of a mountain, it is awkward and heavy. (Been there. Done that.)

I'll probably sell my German mast, because I use the CF masts when I carry a pack, and I use the Jackite when parking lot portable. The Jackite is stiffer and goes up faster than the others.

None of them are stiff enough to support more than a simple wire, IMHO.
Kevin / K4KPK

On Wed, Mar 5, 2014 at 7:33 PM, Brian Carling <bcarling@...> wrote:

>
>
> I dunno guys. A lot of bad reviews for Jackite.
> You can buy two gray plastic conduits 1.5" diameter that will telescope
> together and form a sturdy 20' pole to support wire antennas or a vertical,
> from Home Depot. They are $2.00 and change each! A lot less expensive than
> a Jackite and probably a lot stronger in a wind.
>
> Best regards - Bry Carling
>
>
>

31609. Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 00:57:45 UTC
From: Chris Boone
Topic: 31579 Message: 31609

A tree does not work very well, if at all. A light bulb will radiate better!

Chris
WB5ITT

31610. RE: [ham-antennas] Re: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 01:31:43 UTC
From: James M. Geidl
Topic: 2344 Message: 31610

Well, I live in the SF Bay area and there are thousands of these poles around the beaches. The other place I run into them all the time is in RV parks.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Brian Carling
Sent: Wednesday, March 05, 2014 4:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 2 meter portable antenna

I dunno guys. A lot of bad reviews for Jackite.
You can buy two gray plastic conduits 1.5" diameter that will telescope together and form a sturdy 20' pole to support wire antennas or a vertical, from Home Depot. They are $2.00 and change each! A lot less expensive than a Jackite and probably a lot stronger in a wind.

Best regards - Bry Carling

31611. RE: [ham-antennas] Re: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 01:40:14 UTC
From: <farrerfolks@...>
Topic: 2344 Message: 31611

Ok, final solution, I think at least for us camera geeks. I carry a tripod, for still shots and it is very light and compact. If you rotate the platform to a vertical position, WA LA you have a base mount for any 2 meter antenna you want including a gain vertical. Yes, I had to fabricate a clamp, but that was easy. Now I have a dual purpose tripod.....

Mel, K6KBE

31612. RE: [ham-antennas] Re: 2 meter portable antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 02:04:14 UTC
From: James M. Geidl
Topic: 2344 Message: 31612

Mel, good idea. You could probably take a quick release base and adapter it with a NMO antenna base and just snap it into place when you wanted it.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of farrerfolks@...
Sent: Wednesday, March 05, 2014 5:40 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 2 meter portable antenna

Ok, final solution, I think at least for us camera geeks. I carry a tripod, for still shots and it is very light and compact. If you rotate the platform to a vertical position, WA LA you have a base mount for any 2 meter antenna you want including a gain vertical. Yes, I had to fabricate a clamp, but that was easy. Now I have a dual purpose tripod.....

Mel, K6KBE

31613. Antenna Modeling Software

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 03:53:07 UTC
From: <ac2gl@...>
Topic: 26473 Message: 31613

Does anyone have any experience with AN-SOF Professional antenna simulation software <http://www.antennasoftware.com.ar/ http://www.antennasoftware.com.ar/>? Aside from price, is it any better or worse than EZNEC, 4NEC2, MMANA-GAL? What are your experiences and suggestions?
73 Dave - AC2GL

31614. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 04:03:59 UTC
From: Paul V Birke PEng
Topic: 31579 Message: 31614

not sure Chris

there is a USA patent with a Rogowski coil belt to induce current in the tree

makeshift antenna for sure

the Rogowski coil makes a circulating magnetic field around the trunk that induces the current

https://www.google.com/patents/US3646562?dq=tree+trunk+antenna&hl=en&sa=X&ei=9_EXU-OjCIXayAHS1YD4Cg&ved=0CDoQ6AEwAQ

we used to use Rogowski coils to measure stray currents flowing in very large power transformer cores, I mean stuff that was 24" to almost a m ie 40 in diameter in the heavy electrical industry. You could easily make one using phone coiled cord AS LONG AS YOU MAINTAINED A UNIFORM TURNS/CM OVER THE WHOLE CIRCUMFERENCE

the current is obtained from first principles !

BTW: Rogowski was a GE Engineer and I only a humble Westinghouse Engineer
I only knew of this use as I had become part of a GE plant here in Canada. Rogowski was a very smart dude for sure. There is a Rogowski electric field profile named after him as well, likely other things as well. *****end of minor history lesson*****

best Paul

On Wednesday, March 5, 2014 7:58:23 PM, Chris Boone <cboone@...> wrote:

A tree does not work very well, if at all. A light bulb will radiate better!

Chris
WB5ITT

31615. Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 09:37:10 UTC
From: <dazzmos@...>
Topic: 31615 Message: 31615

Does any one know if these are any good ? I'm sure there not as good as a wire , but i was wondering for something compact .
http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx
http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx

Many thanks

31616. Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 14:33:13 UTC
From: Thomas W4HM
Topic: 31579 Message: 31616

The metal spike and/or copper coil and unbalanced coax feedline does all of the radiating. The tree does not radiate, it just acts as a very large insulator.

73 & God Bless,
Thomas F. Giella W4HM
Lakeland, FL, USA
w4hm@...

W4HM's Amateur & SWL Autobiography: http://www.w4hm.org
W4HM's Medium Frequency Radio Wave Propagation Theory Notes:
http://www.solarcycle24.org

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31617. RE: Antenna Modeling Software

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 15:29:06 UTC
From: <k9jfk@...>
Topic: 26473 Message: 31617

Hi Dave...

This is just a statement of personal opinion....
If your actually going to spend money on a modeling program, then go with a "standard" that has lots of support and been around for a while.... EZNEC. If you don't want to spend any money, but still get support from the "community", then go with 4NEC2. Both programs are NEC2 based. EZNEC also has a NEC4 option, but besides the cost of the program, you have to purchase a license from Lawrence Livermore Labs. Last I heard, it was about $600 and anyone not on American soil need not apply.

Jimmie, K9JFK

31618. RE: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 15:48:41 UTC
From: Ray, W4BYG
Topic: 31615 Message: 31618

Judging from the picture, seeing the long thin, low Q, base coil, it doesn't appear it would be very efficient. It would be very inefficient in the low bands.

Maybe not much more than a resonant dummy load on 80 and 40 meters.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dazzmos@...
Sent: Thursday, March 06, 2014 4:37 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Does any one know if these are any good ? I'm sure there not as good as a wire , but i was wondering for something compact .

http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx

Many thanks

31619. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 15:56:51 UTC
From: dean
Topic: 31615 Message: 31619

That antenna looks like the outbacker. I have a friend who has an antenna like that and he said it was not any good on some frequencies.

73, WY6L

From: Ray, W4BYG
Sent: Thursday, March 06, 2014 7:48 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Judging from the picture, seeing the long thin, low Q, base coil, it doesn't appear it would be very efficient. It would be very inefficient in the low bands.

Maybe not much more than a resonant dummy load on 80 and 40 meters.

Ray, W4BYG
"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dazzmos@...
Sent: Thursday, March 06, 2014 4:37 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Does any one know if these are any good ? I'm sure there not as good as a wire , but i was wondering for something compact .

http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx

Many thanks

31620. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 16:06:54 UTC
From: Pete D
Topic: 31615 Message: 31620

It looks like a OPEK HVT-400 which is a knock off of the "Outbacker"..
Here's the review of the OPEK HVT-400..
http://www.eham.net/reviews/detail/5633

They also make a HVT-600 which has taps for 17m/12m and maybe 30m..

-73, Pete N2MCI

On 3/6/2014 4:37 AM, dazzmos@... wrote:
>
> Does any one know if these are any good ? I'm sure there not as good
> as a wire , but i was wondering for something compact .
>
> http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx
>
> Many thanks
>
> <https://groups.yahoo.com/group/ham-antennas/post;_ylc=X3oDMTJyYjlwdGF0BF9TAzk3MzU5NzE0B
GdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTYxNQRzZWMDZnRyBHNsawNycGx5BHN0aW1
lAzEzOTQwOTg2NDc-?act=reply&messageNum=31615>
>
>
>
>
>

31621. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 16:23:53 UTC
From: Kenneth G. Gordon
Topic: 31579 Message: 31621

On 6 Mar 2014 at 9:33, Thomas W4HM wrote:

> The metal spike and/or copper coil and unbalanced coax feedline does all of the
> radiating. The tree does not radiate, it just acts as a very large insulator.

Or as a very large capacitor...

Ken W7EKB

31622. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 16:41:00 UTC
From: <farrerfolks@...>
Topic: 31579 Message: 31622

Now there is a challenge for the antenna modelling geeks. hi,

Mel, K6KBE

31623. More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 18:09:15 UTC
From: Kenneth G. Gordon
Topic: 31623 Message: 31623

This morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house.

Result: no change. Still 20 db over S-9 on 80 meters. Switching off the RF Preamp reduces the indicated noise level by less than 10 DB. Switching in the NB reduces the noise another few db, but introduces severe distortion as the NB control must be set quite high in order for it to have any effect.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

Heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio will suffice.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31624. Re: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 18:18:47 UTC
From: Don Sanders
Topic: 31579 Message: 31624

There ws a fellow at Shelby Hamfest selling antennas and he also loaded up
a tree and used it as an antenna

Don W4BWS

On Wed, Mar 5, 2014 at 12:45 PM, <dazzmos@...> wrote:

>
>
> I was talking to an old chap yesterday and he mentioned that he knew
> somebody that used to make antennas out of a tree by hitting in a nail and
> using the actual tree as the antenna !!!
> Has anybody else done this ?
>
>
>

31625. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 18:34:15 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31615 Message: 31625

I've heard from a local user that the 600 is a grossly improved 400.... Will even do 2 meters...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: Pete D <peten2mci@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, March 6, 2014 11:06 AM
Subject: Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

It looks like a OPEK HVT-400 which is a knock off of the "Outbacker"..
Here's the review of the OPEK HVT-400.. http://www.eham.net/reviews/detail/5633

They also make a HVT-600 which has taps for 17m/12m and maybe
30m..

-73, Pete N2MCI

On 3/6/2014 4:37 AM, dazzmos@yahoo.co.uk wrote:

>Does any one know if these are any good ? I'm sure there not as good as a wire , but i was wondering for something compact .
>http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx
>
>
>
>Many thanks
>
>
>
>
>
>

31626. AW: [ham-antennas] RE: Antenna Modeling Software

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 18:59:52 UTC
From: siegfried jackstien
Topic: 26473 Message: 31626

... or use mmana :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von k9jfk@...
> Gesendet: Donnerstag, 6. März 2014 15:29
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] RE: Antenna Modeling Software
>
>
>
> Hi Dave...
>
> This is just a statement of personal opinion....
> If your actually going to spend money on a modeling program, then go with
> a "standard" that has lots of support and been around for a while....
> EZNEC. If you don't want to spend any money, but still get support from
> the "community", then go with 4NEC2. Both programs are NEC2 based. EZNEC
> also has a NEC4 option, but besides the cost of the program, you have to
> purchase a license from Lawrence Livermore Labs. Last I heard, it was
> about $600 and anyone not on American soil need not apply.
>
> Jimmie, K9JFK
>
>

31627. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 19:49:12 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 31627

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/OCF portable loaded dipole design.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : 80 meter portable dipole

You can access this file at the URL:
https://groups.yahoo.com/group/ham-antennas/files/K6KBE%20Antennas/OCF%20portable%20loaded
%20dipole%20design.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

31628. Re: [ham-antennas] More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 21:25:26 UTC
From: Will
Topic: 31623 Message: 31628

One source of sweeping carriers are the Ionosondes. It used to be 30 years ago that the number of sweeps it did varied by calendar day. Standard was every quarter hour . Special days every 5 mins. with high,medium,low power at quarter hours IIRC.

These day they use more sophisticated digital types but I haven't any recent experience.

What I worked with was class A push-pull paralleled 815's putting out 10Kw? pulses to delta a/e.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Kenneth G. Gordon
> Sent: 03/07/14 07:09 AM
> To: Ham-antennas@yahoogroups.com
> Subject: [ham-antennas] More on noise...
>
> This morning, I connected the FT-890 to a car battery, then switched off the
> main breaker to the entire house.
>
> Result: no change. Still 20 db over S-9 on 80 meters. Switching off the RF
> Preamp reduces the indicated noise level by less than 10 DB. Switching in the
> NB reduces the noise another few db, but introduces severe distortion as the NB
> control must be set quite high in order for it to have any effect.
>
> Conclusion: noise is not "local" in that it isn't within our own property.
>
> I have also discovered yet another "interesting" noise: some sort of very
> unstable RF carrier that periodically sweeps the entire length of the 80 meter
> (at least) band at +30 DB over S-9, beginning low and sweeping high.
>
> Have not yet figured that one out.
>
> Heading out today with a portable receiver with loopstick. The noise is SO
> LOUD, that at this point, all I want to do is to try to determine direction.
> Therefore, an AM radio will suffice.
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
> ------------------------------------

>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

31629. Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:14:45 UTC
From: <jim.geidl@...>
Topic: 31629 Message: 31629

OK, upfront, I realize that this is really really off the wall. If you have an object, like a tire, spinning horizontally it wants to stay spinning horizontally. If the shaft in this "tire" was your mast pipe and the tire was up the pipe towards the top and forced to spin, maybe with a motor, would it hold the mast pipe vertical without guy wires?

Jim, K6JMG

31630. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:23:18 UTC
From: Kenneth G. Gordon
Topic: 31629 Message: 31630

On 6 Mar 2014 at 15:14, jim.geidl@... wrote:

> OK, upfront, I realize that this is really really off the wall. If you have an
> object, like a tire, spinning horizontally it wants to stay spinning
> horizontally. If the shaft in this "tire" was your mast pipe and the tire was
> up the pipe towards the top and forced to spin, maybe with a motor, would it
> hold the mast pipe vertical without guy wires?

That is VERY "outside the box" thinking. My heartiest congratulations. :-)

However, in my opinion, if one could overcome the mechanical difficulties in mounting such a flywheel, there is also the problem of "precession" that all uncorrected gyros are subject to.

What I suspect would happen is that it would hold the mast upright for a while, but with no correction-input, it would eventually fall.

In addition, I am sure there would be some sort of interaction between the size of the flywheel, the height of the mast, the weight of the mast, the input power required, and possibly other factors to consider.

Very well done, however. Keep it up. I really like this idea and this sort of thinking.

Ken W7EKB

31631. Re: [ham-antennas] More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:23:46 UTC
From: Tom Horton
Topic: 31623 Message: 31631

It has been my experience that if the noise is louder on a higher frequency than on a lower frequency then it is close to very close (within a block or so).
A noise that is louder at 80 or 160 meters can be literally miles away! When I lived in WV I wound up taking the power company to court over the noise problem I had and finally got everything cleared up.
In your case I expect it to be a good distance away.
 What does it sound like on 15 and 10 meters? If it's relatively quiet it's probably not very close.
If you find a pole that seems like the problem write down all the numbers you find on it and report that to the power company if it is a utility company problem.
73 and good luck.
 Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

From: Kenneth G. Gordon <kgordon2006@...>
To: Ham-antennas@yahoogroups.com
Sent: Thursday, March 6, 2014 12:09 PM
Subject: [ham-antennas] More on noise...

This morning, I connected the FT-890 to a car battery, then switched off the main breaker to the entire house.

Result: no change. Still 20 db over S-9 on 80 meters. Switching off the RF Preamp reduces the indicated noise level by less than 10 DB. Switching in the NB reduces the noise another few db, but introduces severe distortion as the NB control must be set quite high in order for it to have any effect.

Conclusion: noise is not "local" in that it isn't within our own property.

I have also discovered yet another "interesting" noise: some sort of very unstable RF carrier that periodically sweeps the entire length of the 80 meter (at least) band at +30 DB over S-9, beginning low and sweeping high.

Have not yet figured that one out.

Heading out today with a portable receiver with loopstick. The noise is SO LOUD, that at this point, all I want to do is to try to determine direction. Therefore, an AM radio will suffice.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31632. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:28:09 UTC
From: Chuck Schultz
Topic: 31629 Message: 31632

Until it falls & tears up everything in reach. Wq5B
On 3/6/2014 5:14 PM, jim.geidl@... wrote:
>
> OK, upfront, I realize that this is really really off the wall. If
> you have an object, like a tire, spinning horizontally it wants to
> stay spinning horizontally. If the shaft in this "tire" was your mast
> pipe and the tire was up the pipe towards the top and forced to spin,
> maybe with a motor, would it hold the mast pipe vertical without guy
> wires?
>
>
> Jim, K6JMG
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31633. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:35:46 UTC
From: Todd F. Carney / K7TFC
Topic: 31629 Message: 31633

There are solid-state ICs that combine 3-axis accelerometers, 3-axis gyros, and magetometers. Here's an example:

Triple Axis Accelerometer and Gyro Breakout - SparkFun Electronics<https://www.sparkfun.com/products/11028>

Here's another:

https://www.adafruit.com/products/1032

I've been thinking of coming up with a portable satellite-antenna positioner using these devices. Control of a boom or other directional antenna would be even easier. That's rotational movement in a single plane. Combined with a magnetometer, a system could be self-correcting in that it would find magnetic north on its own, and you'd just have to program in the magnetic declination at your location.

Very cool stuff!

Todd K7TFC

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

On Thu, Mar 6, 2014 at 3:23 PM, Kenneth G. Gordon <kgordon2006@...>wrote:

>
>
> On 6 Mar 2014 at 15:14, jim.geidl@... wrote:
>
> > OK, upfront, I realize that this is really really off the wall. If you
> have an
> > object, like a tire, spinning horizontally it wants to stay spinning
> > horizontally. If the shaft in this "tire" was your mast pipe and the
> tire was
> > up the pipe towards the top and forced to spin, maybe with a motor,
> would it
> > hold the mast pipe vertical without guy wires?
>
> That is VERY "outside the box" thinking. My heartiest congratulations. :-)
>
> However, in my opinion, if one could overcome the mechanical difficulties

> in
> mounting such a flywheel, there is also the problem of "precession" that
> all
> uncorrected gyros are subject to.
>
> What I suspect would happen is that it would hold the mast upright for a
> while,
> but with no correction-input, it would eventually fall.
>
> In addition, I am sure there would be some sort of interaction between the
> size
> of the flywheel, the height of the mast, the weight of the mast, the input
> power required, and possibly other factors to consider.
>
> Very well done, however. Keep it up. I really like this idea and this sort
> of
> thinking.
>
> Ken W7EKB
>
>

31634. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:36:17 UTC
From: Dale Miller
Topic: 31615 Message: 31634

On 3/6/2014 3:37 AM, dazzmos@... wrote:
>
>
> Does any one know if these are any good ? I'm sure there not as good
> as a wire , but i was wondering for something compact .
> http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx
>
> Many thanks
>

Kinda resembles an Outbacker.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

31635. Re: [ham-antennas] More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:52:01 UTC
From: Kenneth G. Gordon
Topic: 31623 Message: 31635

On 6 Mar 2014 at 15:23, Tom Horton wrote:

> It has been my experience that if the noise is louder on a higher frequency than
> on a lower frequency then it is close to very close (within a block or so). A
> noise that is louder at 80 or 160 meters can be literally miles away! When I
> lived in WV I wound up taking the power company to court over the noise problem
> I had and finally got everything cleared up.

Gee...I'd sure like to hear the details sometime.

> In your case I expect it to be a
> good distance away. What does it sound like on 15 and 10 meters? If it's
> relatively quiet it's probably not very close. If you find a pole that seems
> like the problem write down all the numbers you find on it and report that to
> the power company if it is a utility company problem. 73 and good luck. Tom
> K5IID

Gee, Tom, that info is somewhat discouraging: the noise does get much weaker as
I go up in frequency.

However, even on 10 meters it is a significant annoyance.

I'll take some better readings by band to see what's what.

In the meantime, I have printed off three different resolution maps and will
start driving around tomorrow to see if I can DF this crap.

There is a very interesting site by a ham in (I think) Finland on tracking down
and eliminating noise. I'll have to revisit that site...if I can find it again.

Thanks, Tom.

Ken W7EKB

31636. Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-06 23:52:40 UTC
From: mikerodgerske5gbc@...
Topic: 31623 Message: 31636

80M noise- s9+20..

I'm no expert on 80M but isn't that band typically noisy s7 or so.
I assume you've determined the noise sounds like man made and not atmospheric noise?

Maybe at that time of day it should be quiet?

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31637. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 00:06:11 UTC
From: Robert Garland
Topic: 31615 Message: 31637

I have the equivalent antenna from MFJ.

Mobile antenna is a misnomer unless we have that US/UK language difference again.

Portable would be the definition I would use. This antenna isn't going to survive if there is wind blowing at highway speeds.

The fellow I bought my rig and antenna from says the instructions are incorrect on the antenna I have, but with an antenna analyzer or other antenna measuring device you can figure out the correct jumper settings rather easily.

NX3S

> On 3/6/2014 3:37 AM, dazzmos@... wrote:
>>
>>
>> Does any one know if these are any good ? I'm sure there not as good
>> as a wire , but i was wondering for something compact .
>> http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx
>>
>> Many thanks
>>
>
> Kinda resembles an Outbacker.
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Cookeville, Tennessee
> Ham Operator since 1997 (Extra)
> Member of YahooPipesmokers and ASP since February 2005
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
>
> VOTE TO REBUILD!
> www.twintowersalliance.com

> --
>
>

Robert Garland, NX3S

31638. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 00:11:28 UTC
From: Daniel J. Newkirk
Topic: 31629 Message: 31638

Todd,

Very cool. I wonder if this is accurate enough for tracking a satelliete antenna.

On Thursday, March 6, 2014 5:35 PM, Todd F. Carney / K7TFC <k7tfc@...> wrote:

There are solid-state ICs that combine 3-axis accelerometers, 3-axis gyros, and magetometers. Here's an example:

Triple Axis Accelerometer and Gyro Breakout - SparkFun Electronics

Here's another:

https://www.adafruit.com/products/1032

I've been thinking of coming up with a portable satellite-antenna positioner using these devices. Control of a boom or other directional antenna would be even easier. That's rotational movement in a single plane. Combined with a magnetometer, a system could be self-correcting in that it would find magnetic north on its own, and you'd just have to program in the magnetic declination at your location.

Very cool stuff!

Todd K7TFC

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)

On Thu, Mar 6, 2014 at 3:23 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

>
>On 6 Mar 2014 at 15:14, jim.geidl@spinochio.com wrote:
>
>> OK, upfront, I realize that this is really really off the wall. If you have an
>> object, like a tire, spinning horizontally it wants to stay spinning
>> horizontally. If the shaft in this "tire" was your mast pipe and the tire was
>> up the pipe towards the top and forced to spin, maybe with a motor, would it
>> hold the mast pipe vertical without guy wires?
>
>That is VERY "outside the box" thinking. My heartiest congratulations. :-)
>
>However, in my opinion, if one could overcome the mechanical difficulties in
>mounting such a flywheel, there is also the problem of "precession" that all
>uncorrected gyros are subject to.

>
>What I suspect would happen is that it would hold the mast upright for a while,
>but with no correction-input, it would eventually fall.
>
>In addition, I am sure there would be some sort of interaction between the size
>of the flywheel, the height of the mast, the weight of the mast, the input
>power required, and possibly other factors to consider.
>
>Very well done, however. Keep it up. I really like this idea and this sort of
>thinking.
>
>Ken W7EKB
>

31639. Re: [ham-antennas] Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 01:16:57 UTC
From: Kenneth G. Gordon
Topic: 31623 Message: 31639

On 6 Mar 2014 at 17:52, mikerodgerske5gbc@... wrote:

> 80M noise- s9+20..
>
> I'm no expert on 80M but isn't that band typically noisy s7 or so.

Well, 80 is certainly normally noisier than, say, 20. But this level of noise is not normal

> I assume you've determined the noise sounds like man made and not
> atmospheric noise?

Yes. It has a periodicity that sounds very much like 120 Hz., although I have not yet checked that out closely.

> Maybe at that time of day it should be quiet?

It is on at the same level, or very nearly the same level, 24/7/365.

I am positive it is man-made.

I went out with an BC AM receiver with a loopstick a few minutes ago. There is one of those orange sodium-vapor (?) street lamps right across the street, about 40 feet away, from our front door. It isn't working.

However, this interference does not come and go either.

I didh't find any single source of interference using the BC band receiver, but loads of them. However, none of those sounded exactly like what I am hearing on the communcations receivers either.

I'm afraid I am going to have to fire up the Stoddart NM-20 150 Khz to 25 Mhz. or the NM-30 VHF job, to find it.

I'm not pleased.

Ken W7EKB

31640. Re: [ham-antennas] tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 02:00:12 UTC
From: Andy
Topic: 31579 Message: 31640

Don't forget that a live tree trunk is full of nutrient rich liquid (sap), which, like most living things, can make a pretty good electrical conductor. So to say that a tree is nothing but an insulator, is somewhat ignorant.

Good conductor? I wouldn't know that. But a tree trunk is a heck of a lot of conductor cross-section.

Bark OTOH does not make a good conductor, which is why a wire antenna can rub against it and not be shorted out.

Andy

31641. Re: [ham-antennas] Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 02:38:08 UTC
From: Geoff NW7GM
Topic: 31623 Message: 31641

Just curious, I have a yaesu vx-7r, if I were to put it into BC band rx mode, could that be used to DF noise around the neighborhood like what Kenneth is experiencing?

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 6, 2014 5:17 PM, "Kenneth G. Gordon" <kgordon2006@...>
wrote:

>
>
> On 6 Mar 2014 at 17:52, mikerodgerske5gbc@... wrote:
>
> > 80M noise- s9+20..
> >
> > I'm no expert on 80M but isn't that band typically noisy s7 or so.
>
> Well, 80 is certainly normally noisier than, say, 20. But this level of
> noise is not normal
>
> > I assume you've determined the noise sounds like man made and not
> > atmospheric noise?
>
> Yes. It has a periodicity that sounds very much like 120 Hz., although I
> have not yet checked that out closely.
>
> > Maybe at that time of day it should be quiet?
>
> It is on at the same level, or very nearly the same level, 24/7/365.
>
> I am positive it is man-made.
>
> I went out with an BC AM receiver with a loopstick a few minutes ago.
> There is one of those orange sodium-vapor (?) street lamps right across
> the street, about 40 feet away, from our front door. It isn't working.
>
> However, this interference does not come and go either.
>
> I didh't find any single source of interference using the BC band
> receiver, but loads of them. However, none of those sounded exactly like
> what I am hearing on the communcations receivers either.
>
> I'm afraid I am going to have to fire up the Stoddart NM-20 150 Khz to 25
> Mhz. or the NM-30 VHF job, to find it.

>
> I'm not pleased.
>
> Ken W7EKB
>
>

31642. Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 02:38:43 UTC
From: Chris Boone
Topic: 31579 Message: 31642

The loading circuit merely acted as an unshielded radiating dummy load...the tree did not add to the radiation...in fact, it may have shunted some of it to ground (as mentioned earlier)...a loading coil around a tree is NOT a coupling link...it is a high Q small antenna...high losses and narrowband...and high ground losses..

You can "load" anything up with the right circuit..does it radiate is the big question...those who claimed to have loaded up trees could have cut the tree down and still have the same signal output!

Chris
WB5ITT

There ws a fellow at Shelby Hamfest selling antennas and he also loaded up
a tree and used it as an antenna

Don W4BWS

On Wed, Mar 5, 2014 at 12:45 PM, <dazzmos@...> wrote:

>
>
> I was talking to an old chap yesterday and he mentioned that he knew
> somebody that used to make antennas out of a tree by hitting in a nail and
> using the actual tree as the antenna !!!
> Has anybody else done this ?
>
>

31643. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 02:47:00 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 31643

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /TREE.doc
Uploaded by : edcartwright@... <n6mmwmail@...>
Description : Description of 1973 US Army research using trees as antennas

You can access this file at the URL:
https://groups.yahoo.com/group/ham-antennas/files/TREE.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

edcartwright@... <n6mmwmail@...>

31644. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 02:50:11 UTC
From: Ed Cartwright
Topic: 31579 Message: 31644

Andy & Chris
I uploaded a file (Filename TREE) to the files section which describes US
Army research loading up a tree in 1973.

They concluded that a tree was better than a vehicle whip.

73 Ed N6MMW

On Thu, Mar 6, 2014 at 6:38 PM, Chris Boone <cboone@...> wrote:

>
>
> The loading circuit merely acted as an unshielded radiating dummy
> load...the tree did not add to the radiation...in fact, it may have shunted
> some of it to ground (as mentioned earlier)...a loading coil around a tree
> is NOT a coupling link...it is a high Q small antenna...high losses and
> narrowband...and high ground losses..
>
> You can "load" anything up with the right circuit..does it radiate is the
> big question...those who claimed to have loaded up trees could have cut the
> tree down and still have the same signal output!
>
> Chris
> WB5ITT
>
> ---
> There ws a fellow at Shelby Hamfest selling antennas and he also loaded up
> a tree and used it as an antenna
>
> Don W4BWS
>
> On Wed, Mar 5, 2014 at 12:45 PM, <dazzmos@...> wrote:
>
> >
> >
> > I was talking to an old chap yesterday and he mentioned that he knew
> > somebody that used to make antennas out of a tree by hitting in a nail
> and
> > using the actual tree as the antenna !!!
> > Has anybody else done this ?
> >
> >
>
>
>

31645. Re: [ham-antennas] Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 03:29:57 UTC
From: Kenneth G. Gordon
Topic: 31623 Message: 31645

On 6 Mar 2014 at 18:38, Geoff NW7GM wrote:

> Just curious, I have a yaesu vx-7r, if I were to put it into BC band rx
> mode, could that be used to DF noise around the neighborhood like what
> Kenneth is experiencing?

Sure, if you had a loop or a loopstick antenna.

Trouble is, most noise seems to peak around the BC band...or lower.

Therefore, you might end up like I did with so MUCH noise, it would be
difficult to pinpoint the one that is bothering you the worst.

Loops are relatively easy to make, though.

Ken W7EKB

31646. Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 03:45:29 UTC
From: anetherton@gmail.com
Topic: 31615 Message: 31646

I use a similar antenna, it is called opek, and I have worked three countries sitting on a Blue Ridge Parkway overlook on a Sunday afternoon with around 50 watts. They can work on mobile, but you want to take the Wander lead off when you're driving. it can probably get blown off by a stiff breeze. 73 de KC4BO

Sent via the Samsung Galaxy S® 4 zoom™, an AT&T 4G LTE smartphone

-------- Original message --------
From: Dale Miller <stpatrick2@twlakes.net>
Date:03/06/2014 6:36 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Multiband HF Mobile Antenna from maplin uk

On 3/6/2014 3:37 AM, dazzmos@yahoo.co.uk wrote:
Does any one know if these are any good ? I'm sure there not as good as a wire , but i was wondering for something compact .
http://www.maplin.co.uk/p/multiband-hf-mobile-antenna-a34gx

Many thanks

Kinda resembles an Outbacker.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)
Member of YahooPipesmokers and ASP since February 2005

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@twlakes.net
stpatrick2spam@twlakes.net
stpatrick3spam@gmail.com
bdchimneysweepspam@gmail.com

(cut the spam to reply)

VOTE TO REBUILD!
www.twintowersalliance.com
--

31647. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 04:38:20 UTC
From: Geoff NW7GM
Topic: 31629 Message: 31647

Daniel and Todd, I think you both should join the 'radioartisan' yahoo group and read up on the arduino-based antenna rotator priject. Anthony, K3NG, just implemented solar and lunar tracking into the code so I can't see it to be too much of a stretch to get sat tracking as well.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 6, 2014 4:11 PM, "Daniel J. Newkirk" <kd0tli@...> wrote:

>
>
> Todd,
>
> Very cool. I wonder if this is accurate enough for tracking a satelliete
> antenna.
>
>
> On Thursday, March 6, 2014 5:35 PM, Todd F. Carney / K7TFC <
> k7tfc@...> wrote:
>
> There are solid-state ICs that combine 3-axis accelerometers, 3-axis
> gyros, and magetometers. Here's an example:
>
> Triple Axis Accelerometer and Gyro Breakout - SparkFun
Electronics<https://www.sparkfun.com/products/11028>
>
> Here's another:
>
> https://www.adafruit.com/products/1032
>
> I've been thinking of coming up with a portable satellite-antenna
> positioner using these devices. Control of a boom or other directional
> antenna would be even easier. That's rotational movement in a single plane.
> Combined with a magnetometer, a system could be self-correcting in that it
> would find magnetic north on its own, and you'd just have to program in the
> magnetic declination at your location.
>
> Very cool stuff!
>
> Todd K7TFC
>
>
> 73,
>

> Todd
>
> ---
> K7TFC / Medford, Oregon, USA / CN82ni / UTC-8 (PST)
>
> ---
>
>
>
> On Thu, Mar 6, 2014 at 3:23 PM, Kenneth G. Gordon <
> kgordon2006@...> wrote:
>
>
> On 6 Mar 2014 at 15:14, jim.geidl@... wrote:
>
> > OK, upfront, I realize that this is really really off the wall. If you
> have an
> > object, like a tire, spinning horizontally it wants to stay spinning
> > horizontally. If the shaft in this "tire" was your mast pipe and the
> tire was
> > up the pipe towards the top and forced to spin, maybe with a motor,
> would it
> > hold the mast pipe vertical without guy wires?
>
> That is VERY "outside the box" thinking. My heartiest congratulations. :-)
>
> However, in my opinion, if one could overcome the mechanical difficulties
> in
> mounting such a flywheel, there is also the problem of "precession" that
> all
> uncorrected gyros are subject to.
>
> What I suspect would happen is that it would hold the mast upright for a
> while,
> but with no correction-input, it would eventually fall.
>
> In addition, I am sure there would be some sort of interaction between the
> size
> of the flywheel, the height of the mast, the weight of the mast, the input
> power required, and possibly other factors to consider.
>
> Very well done, however. Keep it up. I really like this idea and this sort
> of
> thinking.
>
> Ken W7EKB
>
>
>
>

>
>

31648. Noise level by band

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 05:16:54 UTC
From: Kenneth G. Gordon
Topic: 30541 Message: 31648

OK. Here are my readings from the S-meter on the FT-890, with the antenna system tuned to resonance and the rig tuned up on all the bands which I have listed.

80 meters RF amp on - S-9+20db
RF amp off - S-9+10db

40 RF on - S-9+10db
RF off - S-8 to S-9

20 RF on - S-8 to S-9 (peaking S-9+10db)
RF off - S-4 to S-5

15 RF on - S-5
RF off - S-1

10 RF on - S-2
RF off - S-1

On all bands I can hear a constant "crackling", even on 10.

Ken W7EKB

31649. Re: [ham-antennas] RE: Antenna Modeling Software

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 05:43:59 UTC
From: Geoff NW7GM
Topic: 26473 Message: 31649

4NEC2 also has a NEC4 option if you get the license from the Lawrence lab.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 6, 2014 7:34 AM, <k9jfk@...> wrote:

>
>
> Hi Dave...
>
> This is just a statement of personal opinion....
> If your actually going to spend money on a modeling program, then go with
> a "standard" that has lots of support and been around for a while....
> EZNEC. If you don't want to spend any money, but still get support from
> the "community", then go with 4NEC2. Both programs are NEC2 based. EZNEC
> also has a NEC4 option, but besides the cost of the program, you have to
> purchase a license from Lawrence Livermore Labs. Last I heard, it was
> about $600 and anyone not on American soil need not apply.
>
> Jimmie, K9JFK
>
>

31650. Re: [ham-antennas] Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 06:14:22 UTC
From: Todd F. Carney / K7TFC
Topic: 31629 Message: 31650

On Thu, Mar 6, 2014 at 4:11 PM, Daniel J. Newkirk <kd0tli@...> wrote:

> . . . I wonder if this is accurate enough for tracking a satelliete
> antenna.
>

A satellite tracker is what I've had in mind for these devices for some time. Thanks to Geoff, I now know about the radioartisan group and their project. Thanks Geoff!

73,

Todd K7TFC

31651. RE: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 12:43:29 UTC
From: <lynnmatic@...>
Topic: 31579 Message: 31651

I ran across this about a guy who loaded a tree after putting a nail in the tree. Look towards the bottom of the page: http://www.kf4bwg.com/#file04
http://www.kf4bwg.com/#file04

73,
Lynn WB0YEX

31652. Re: [ham-antennas] Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 13:57:46 UTC
From: Gerald Bishop
Topic: 31623 Message: 31652

Hi- I have S+20 over every morning on 80 mtrs. Switch to the vertical and drops to S-9- 120 hz- Can you shut off everything except the rig and see waht that does. I had 2 qrns here - Reported them to arrl state- Said they would help ?? Found one on 40 to be the new cable phone ps- They can out and checked for rf - Yep,so gave me a new one- The other proved to be a router- 2 back- Changed that out ,for other reasons and qrn gone !!! Got rid of all me crt type monitors and that helped some - No easy tack,but can be cleared!!Hope you get it !1T.C. Jerry W8KQ
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@...>
To: <ham-antennas@yahoogroups.com>
Sent: Thursday, March 06, 2014 8:16 PM
Subject: Re: [ham-antennas] Re: More on noise...

> On 6 Mar 2014 at 17:52, mikerodgerske5gbc@... wrote:
>
>> 80M noise- s9+20..
>>
>> I'm no expert on 80M but isn't that band typically noisy s7 or so.
>
> Well, 80 is certainly normally noisier than, say, 20. But this level of
> noise is not normal
>
>> I assume you've determined the noise sounds like man made and not
>> atmospheric noise?
>
> Yes. It has a periodicity that sounds very much like 120 Hz., although I
> have not yet checked that out closely.
>
>> Maybe at that time of day it should be quiet?
>
> It is on at the same level, or very nearly the same level, 24/7/365.
>
> I am positive it is man-made.
>
> I went out with an BC AM receiver with a loopstick a few minutes ago.
> There is one of those orange sodium-vapor (?) street lamps right across
> the street, about 40 feet away, from our front door. It isn't working.
>
> However, this interference does not come and go either.
>
> I didh't find any single source of interference using the BC band
> receiver, but loads of them. However, none of those sounded exactly like
> what I am hearing on the communcations receivers either.
>

> I'm afraid I am going to have to fire up the Stoddart NM-20 150 Khz to 25
> Mhz. or the NM-30 VHF job, to find it.
>
> I'm not pleased.
>
> Ken W7EKB
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31653. Re: [ham-antennas] Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 14:26:34 UTC
From: Geoff NW7GM
Topic: 31623 Message: 31653

Yes, he ran his rig on battery power and shut off main breaker with no change to noise level. The source is not on his property.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 7, 2014 5:57 AM, "Gerald Bishop" <gsbishop@...> wrote:

>
>
> Hi- I have S+20 over every morning on 80 mtrs. Switch to the vertical and
> drops to S-9- 120 hz- Can you shut off everything except the rig and see
> waht that does. I had 2 qrns here - Reported them to arrl state- Said they
> would help ?? Found one on 40 to be the new cable phone ps- They can out
> and
> checked for rf - Yep,so gave me a new one- The other proved to be a
> router-
> 2 back- Changed that out ,for other reasons and qrn gone !!! Got rid of
> all
> me crt type monitors and that helped some - No easy tack,but can be
> cleared!!Hope you get it !1T.C. Jerry W8KQ
> ----- Original Message -----
> From: "Kenneth G. Gordon" <kgordon2006@...>
> To: <ham-antennas@yahoogroups.com>
> Sent: Thursday, March 06, 2014 8:16 PM
> Subject: Re: [ham-antennas] Re: More on noise...
>
> > On 6 Mar 2014 at 17:52, mikerodgerske5gbc@... wrote:
> >
> >> 80M noise- s9+20..
> >>
> >> I'm no expert on 80M but isn't that band typically noisy s7 or so.
> >
> > Well, 80 is certainly normally noisier than, say, 20. But this level of
> > noise is not normal
> >
> >> I assume you've determined the noise sounds like man made and not
> >> atmospheric noise?
> >
> > Yes. It has a periodicity that sounds very much like 120 Hz., although I
> > have not yet checked that out closely.
> >
> >> Maybe at that time of day it should be quiet?
> >
> > It is on at the same level, or very nearly the same level, 24/7/365.

> >
> > I am positive it is man-made.
> >
> > I went out with an BC AM receiver with a loopstick a few minutes ago.
> > There is one of those orange sodium-vapor (?) street lamps right across
> > the street, about 40 feet away, from our front door. It isn't working.
> >
> > However, this interference does not come and go either.
> >
> > I didh't find any single source of interference using the BC band
> > receiver, but loads of them. However, none of those sounded exactly like
> > what I am hearing on the communcations receivers either.
> >
> > I'm afraid I am going to have to fire up the Stoddart NM-20 150 Khz to 25
> > Mhz. or the NM-30 VHF job, to find it.
> >
> > I'm not pleased.
> >
> > Ken W7EKB
> >
> >
> > ---
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo Groups Links
> >
> >
> >
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
>
>
>

31654. Re: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 17:59:50 UTC
From: mikerodgerske5gbc@...
Topic: 31623 Message: 31654

Rumor has it beware of AT&T Universe. A ham on another site said the installer declined to install after finding he was a ham.

Plasma TV two or three houses away can make s9.

There's more and more noise generators all the time.

Touch lamps, dimmers, faulty doorbell transformers, modems, computer controlled appliances, and more.

You guys remember the landowner in Florida threatened with a fine because his water well was a incidental radiator?

All this reminds me how lucky I am.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31655. RE: Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 18:58:56 UTC
From: <ac2gl@...>
Topic: 31629 Message: 31655

I think a 2-axis version of this inverted pendulum might do the trick also:
http://www.youtube.com/watch?v=MWJHcI7UcuE http://www.youtube.com/watch?v=MWJHcI7UcuE
Dave - AC2GL

31656. RE: [ham-antennas] RE: Gyroscope on antenna mast.

Yahoo group: ham-antennas (2014)
Date: 2014-03-07 20:23:03 UTC
From: James M. Geidl
Topic: 31629 Message: 31656

This is the coding mechanism used for humanoid (and other) robots to keep them vertical. A more common place that you will see it is in things like the Segway. We have adolescent kinds in our robotics group that are doing it, it has become that common.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of ac2gl@...
Sent: Friday, March 07, 2014 10:59 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: Gyroscope on antenna mast.

I think a 2-axis version of this inverted pendulum might do the trick also:
http://www.youtube.com/watch?v=MWJHcI7UcuE
Dave - AC2GL

31657. Michael Gelbart

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 01:52:56 UTC
From: Michael Gelbart
Topic: 31657 Message: 31657

http://androidtabletnotworking.com/yqi/fox_news.php
Michael Gelbart

31658. Re: [ham-antennas] Michael Gelbart

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 04:07:34 UTC
From: Alex Netherton
Topic: 31657 Message: 31658

SPAM. Somebody has been hacked. The link is a sales site. Don't go there; it gives the hacker $$ for every click. The link is made to look like something semi-legitimate.
KC4BO

Alex Netherton
http://blueridgediscovery.org

On Fri, Mar 7, 2014 at 8:52 PM, Michael Gelbart <
completecomputerservice2000@...> wrote:

>
>
> http://androidtabletnotworking.com/yqi/fox_news.php
> Michael Gelbart
>
>

31659. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 12:24:30 UTC
From: <p_chap@...>
Topic: 31579 Message: 31659

how do you mount a tree on the bumper

31660. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 12:40:11 UTC
From: Artek Manuals
Topic: 31579 Message: 31660

Ahh grasshopper... the zen of Bumper mounting a tree is simple

1) Pick a tree with a clear path to it at least a mile long
2) Drive towards the tree as fast as you can. At speeds above 50MPH (80 is better) the bumper and the tree will become one upon contact.

Dave
NR1DX

On 3/8/2014 6:24 AM, p_chap@... wrote:
>
> how do you mount a tree on the bumper
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31661. RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 13:51:42 UTC
From: <bb1300@...>
Topic: 31623 Message: 31661

Do you have any UPSs for your computers/routers? Easy to overlook when troubleshooting noise.
Mike N3PM

31662. RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 16:15:39 UTC
From: <soona4sail@...>
Topic: 31623 Message: 31662

Noise on the bands. An often overlooked source of noise is the GENERIC power supplies/battery paks used for laptop computers. Some of the cheapo, Brand X power supplies generate a tremendous amount of spurious RF, even when the laptop is not plugged into the power supply. If the power supply is just plugged into a wall outlet, and not connected to a laptop, it is idling and sends out LOTS of RF. The same goes for cheapo cell phone rechargers. If they are just left plugged in, the amount of RF is incredible. Look around your house, and see if family members, especially youngsters have left any power supplies,chargers plugged in the wall. Unplug them, and you might be pleasantly surprised.

Good luck 73 John

31663. Re: [ham-antennas] RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 16:28:02 UTC
From: Geoff NW7GM
Topic: 31623 Message: 31663

I was hunting for a DF loop yesterday for noise hunting and I came across a web page for a Dutch ham's adventures in hunting noise around the area of his house (in some cases up to 2km away). It's a very interesting (and in some cases amusing). If I can find the page I'll post it here.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 8, 2014 8:15 AM, <soona4sail@...> wrote:

>
>
> Noise on the bands. An often overlooked source of noise is the GENERIC
> power supplies/battery paks used for laptop computers. Some of the cheapo,
> Brand X power supplies generate a tremendous amount of spurious RF, even
> when the laptop is not plugged into the power supply. If the power supply
> is just plugged into a wall outlet, and not connected to a laptop, it is
> idling and sends out LOTS of RF. The same goes for cheapo cell phone
> rechargers. If they are just left plugged in, the amount of RF is
> incredible. Look around your house, and see if family members, especially
> youngsters have left any power supplies,chargers plugged in the wall.
> Unplug them, and you might be pleasantly surprised.
>
> Good luck 73 John
>
>

31664. AW: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 16:57:05 UTC
From: siegfried jackstien
Topic: 31579 Message: 31664

Thumbs up ... yeah that really works (been there done that)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Artek Manuals
> Gesendet: Samstag, 8. März 2014 12:40
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: tree antenna
>
>
>
> Ahh grasshopper... the zen of Bumper mounting a tree is simple
>
> 1) Pick a tree with a clear path to it at least a mile long
> 2) Drive towards the tree as fast as you can. At speeds above 50MPH (80
> is better) the bumper and the tree will become one upon contact.
>
> Dave
> NR1DX
>
> On 3/8/2014 6:24 AM, p_chap@... wrote:
>
>
>
>
> how do you mount a tree on the bumper
>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
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> ---------------------------------
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
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31665. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 17:27:07 UTC
From: Timothy-Allen Albertson
Topic: 31579 Message: 31665

ive done it=--the vehicle didnt work anymore

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Mar 8, 2014 at 10:57 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

>
>
> Thumbs up ... yeah that really works (been there done that)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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> > Dave
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> > www.ArtekManuals.com
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31666. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 17:49:09 UTC
From: Original Woodchuck
Topic: 31579 Message: 31666

On Thu, Mar 06, 2014 at 08:41:00AM -0800, farrerfolks@... wrote:
> Now there is a challenge for the antenna modelling geeks. hi,
>
> Mel, K6KBE

Hi.

I feel up to modelling an aluminum tree with up to three arbitrary straight branches. :-)

Seriously, given conductivity, capacitance, inductance data, it would be possible to do a fairly decent job of it. But not me...

Dave AB3NR

31667. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 18:22:04 UTC
From: Artek Manuals
Topic: 31579 Message: 31667

YEah but you could still hook the radio up to the tree and call for help

Dave
NR1DX

On 3/8/2014 11:27 AM, Timothy-Allen Albertson wrote:
> ive done it=--the vehicle didnt work anymore
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD?^...OIA/(ex KG6IRH)
>
>
>
> On Sat, Mar 8, 2014 at 10:57 AM, siegfried jackstien
> <siegfried.jackstien@...
> <mailto:siegfried.jackstien@...>> wrote:
>
> ?
>
> Thumbs up ... yeah that really works (been there done that)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>] Im
> > Auftrag von Artek Manuals
> > Gesendet: Samstag, 8. März 2014 12:40
> > An: ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> > Betreff: Re: [ham-antennas] Re: tree antenna
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>
> >
> >
> >
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> 50MPH (80

> > is better) the bumper and the tree will become one upon contact.
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> > Dave
> > NR1DX
> >
> > On 3/8/2014 6:24 AM, p_chap@...
> <mailto:p_chap@...> wrote:
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> > how do you mount a tree on the bumper
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> >
> > --
> > Dave
> > Manuals@...
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Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31668. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 18:25:32 UTC
From: Timothy-Allen Albertson
Topic: 31579 Message: 31668

didnt have a radio then--but now i would

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Mar 8, 2014 at 12:22 PM, Artek Manuals <nr1dx@...> wrote:

>
>
> YEah but you could still hook the radio up to the tree and call for help
>
> Dave
> NR1DX
>
>
> On 3/8/2014 11:27 AM, Timothy-Allen Albertson wrote:
>
>
> ive done it=--the vehicle didnt work anymore
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KDâˆ…OIA/(ex KG6IRH)
>
>
>
> On Sat, Mar 8, 2014 at 10:57 AM, siegfried jackstien <
> siegfried.jackstien@...> wrote:
>
>> Â
>>
>> Thumbs up ... yeah that really works (been there done that)
>>
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>> Sigi
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>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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>> > Auftrag von Artek Manuals
>> > Gesendet: Samstag, 8. MÃ¤rz 2014 12:40
>>
>> > An: ham-antennas@yahoogroups.com
>> > Betreff: Re: [ham-antennas] Re: tree antenna

>>
>>
>> >
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>> >
>> > Ahh grasshopper... the zen of Bumper mounting a tree is simple
>> >
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>> > Dave
>> > NR1DX
>> >
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> --
> DaveManuals@...nuals.com
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>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus<http://www.avast.com/>protection is active.

>
>
>

31669. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 21:01:04 UTC
From: Alex Netherton
Topic: 31579 Message: 31669

Bolt the pot on the bumper, fill with soil, insert tree, place ground wire
from pot to frame of car. Stand back 100 feet when transmitting.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...> wrote:

>
>
> how do you mount a tree on the bumper
>
>

31670. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-08 21:42:54 UTC
From: James "Jim" M. Geidl
Topic: 31579 Message: 31670

Well, now, do you need to use different trees for different bands; palm for 80m, blue spruce for 40m, dandelion for CB?

Jim K6JMG

On March 8, 2014 1:01:04 PM PST, Alex Netherton <anetherton@...> wrote:
>Bolt the pot on the bumper, fill with soil, insert tree, place ground
>wire
>from pot to frame of car. Stand back 100 feet when transmitting.
>
>73 de KC4BO
>
>Alex Netherton
>http://blueridgediscovery.org
>
>
>On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...> wrote:
>
>>
>>
>> how do you mount a tree on the bumper
>>
>>

--
Jim, K6JMG

31671. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 02:50:19 UTC
From: Geoff NW7GM
Topic: 31579 Message: 31671

Can you imagine loading up one of the redwoods in CA? Or would that be
illegal because it would exceed the amateur antenna height rules?

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl" <jim.geidl@...>
wrote:

>
>
> Well, now, do you need to use different trees for different bands; palm
> for 80m, blue spruce for 40m, dandelion for CB?
>
> Jim K6JMG
>
> On March 8, 2014 1:01:04 PM PST, Alex Netherton <anetherton@...>
> wrote:
>>
>> Bolt the pot on the bumper, fill with soil, insert tree, place ground
>> wire from pot to frame of car. Stand back 100 feet when transmitting.
>>
>> 73 de KC4BO
>>
>> Alex Netherton
>> http://blueridgediscovery.org
>>
>>
>> On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...> wrote:
>>
>>>
>>>
>>> how do you mount a tree on the bumper
>>>
>>
>>
> --
> Jim, K6JMG
>
>

31672. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 06:35:27 UTC
From: Chuck Schultz
Topic: 31579 Message: 31672

There are no Amateur height rules, maybe you are thinking of another radio service. Yes , I am afraid you would be in big trouble , with the California Tree Huggers Assoc. After a recent Forest Fire that was blamed on a wire antenna hung from a tree in California it just could be a death penalty to just lean on a tree . What? no death penalty in California ! Some things could be worse than death.....Chuck Wq5B

On 3/8/2014 8:50 PM, Geoff NW7GM wrote:

> Can you imagine loading up one of the redwoods in CA? Or would that be
> illegal because it would exceed the amateur antenna height rules?
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl"
> <jim.geidl@... <mailto:jim.geidl@...>> wrote:
>
> Well, now, do you need to use different trees for different bands;
> palm for 80m, blue spruce for 40m, dandelion for CB?
>
> Jim K6JMG
>
> On March 8, 2014 1:01:04 PM PST, Alex Netherton
> <anetherton@... <mailto:anetherton@...>> wrote:
>
> Bolt the pot on the bumper, fill with soil, insert tree, place
> ground wire from pot to frame of car. Stand back 100 feet when
> transmitting.
>
> 73 de KC4BO
>
> Alex Netherton
> http://blueridgediscovery.org
>
>
> On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...
> <mailto:p_chap@...>> wrote:
>
> how do you mount a tree on the bumper
>
>
>
> --

> Jim, K6JMG
>
>

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http://www.avast.com

31673. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 09:01:48 UTC
From: Adrian Flynn
Topic: 31579 Message: 31673

Try mounting it going *broadside* into a *Saguaro Cactus*.
It became one with the side of the car and we went another 40 ft.
The Arizona state fine for destroying it was real nasty though.

Something like $600 in 1964!

72/73
Adrian KF7DYU

On Sat, Mar 8, 2014 at 7:40 AM, Artek Manuals <nr1dx@...> wrote:

>
>
> Ahh grasshopper... the zen of Bumper mounting a tree is simple
>
> 1) Pick a tree with a clear path to it at least a mile long
> 2) Drive towards the tree as fast as you can. At speeds above 50MPH (80
> is better) the bumper and the tree will become one upon contact.
>
> Dave
> NR1DX
>
>
> On 3/8/2014 6:24 AM, p_chap@... wrote:
>
>
>
> how do you mount a tree on the bumper
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>
> --
> DaveManuals@...
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> ----------
> <http://www.avast.com/>
>
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Antivirus<http://www.avast.com/>protection is active.
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31674. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 09:03:02 UTC
From: Adrian Flynn
Topic: 31579 Message: 31674

When did they drop the 200' rule?

Adrian KF7DYU

On Sun, Mar 9, 2014 at 1:35 AM, Chuck Schultz <wq5b@...> wrote:

>
>
> There are no Amateur height rules, maybe you are thinking of another radio
> service. Yes , I am afraid you would be in big trouble , with the
> California Tree Huggers Assoc. After a recent Forest Fire that was
> blamed on a wire antenna hung from a tree in California it just could be a
> death penalty to just lean on a tree . What? no death penalty in California
> ! Some things could be worse than
> death.....Chuck Wq5B
> On 3/8/2014 8:50 PM, Geoff NW7GM wrote:
>
>
>
> Can you imagine loading up one of the redwoods in CA? Or would that be
> illegal because it would exceed the amateur antenna height rules?
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl" <jim.geidl@...>
> wrote:
>
>>
>>
>> Well, now, do you need to use different trees for different bands; palm
>> for 80m, blue spruce for 40m, dandelion for CB?
>>
>> Jim K6JMG
>>
>> On March 8, 2014 1:01:04 PM PST, Alex Netherton <anetherton@...>
>> wrote:
>>>
>>> Bolt the pot on the bumper, fill with soil, insert tree, place ground
>>> wire from pot to frame of car. Stand back 100 feet when transmitting.
>>>
>>> 73 de KC4BO
>>>
>>> Alex Netherton
>>> http://blueridgediscovery.org
>>>

>>>
>>> On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...> wrote:
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>>>>
>>>>
>>>> how do you mount a tree on the bumper
>>>>
>>>
>>>
>> --
>> Jim, K6JMG
>>
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> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
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>

31675. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 11:06:42 UTC
From: Artek Manuals
Topic: 31579 Message: 31675

The 200' rule is primarily an FAA (registration) regulation which is also backed up and enforced by the FCC in the case of communication (amateur or commercial) towers/antennas. Basically the regulation requires registration with the FAA and FCC and certain clearance lighting requirements for any structure "200 feet or more" in height. Additional restrictions (lower) may apply depending on the proximity to an airport. The FAA requirements apply to ALL structures not just amateur radio antennas/towers.

Dave
NR1DX

On 3/9/2014 12:35 AM, Chuck Schultz wrote:
>
> There are no Amateur height rules, maybe you are thinking of another
> radio service. Yes , I am afraid you would be in big trouble , with
> the California Tree Huggers Assoc. After a recent Forest Fire that
> was blamed on a wire antenna hung from a tree in California it just
> could be a death penalty to just lean on a tree . What? no death
> penalty in California ! Some things could be worse than
> death.....Chuck Wq5B
>
> On 3/8/2014 8:50 PM, Geoff NW7GM wrote:
>>
>> Can you imagine loading up one of the redwoods in CA? Or would that
>> be illegal because it would exceed the amateur antenna height rules?
>>
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>> On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl"
>> <jim.geidl@... <mailto:jim.geidl@...>> wrote:
>>
>> Well, now, do you need to use different trees for different
>> bands; palm for 80m, blue spruce for 40m, dandelion for CB?
>>
>> Jim K6JMG
>>
>> On March 8, 2014 1:01:04 PM PST, Alex Netherton
>> <anetherton@... <mailto:anetherton@...>> wrote:
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>> 73 de KC4BO
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>> Alex Netherton
>> http://blueridgediscovery.org
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--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31676. Re: [ham-antennas] RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 11:55:30 UTC
From: <radiomanl@...>
Topic: 31623 Message: 31676

I think I found the same page . also trying to track down noise .
http://www.on4ww.be/emi-rfi.html http://www.on4ww.be/emi-rfi.html
andrew
kd5pnt

31677. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 12:29:15 UTC
From: Chuck Schultz
Topic: 31579 Message: 31677

Never was a 200ft rule .....over 200 ft you must light the
tower and not be too close to a landing strip Wq5B Chuck
On 3/9/2014 4:03 AM, Adrian Flynn wrote:
> When did they drop the 200' rule?
>
> Adrian KF7DYU
>
>
> On Sun, Mar 9, 2014 at 1:35 AM, Chuck Schultz <wq5b@...
> <mailto:wq5b@...>> wrote:
>
> There are no Amateur height rules, maybe you are thinking of
> another radio service. Yes , I am afraid you would be in big
> trouble , with the California Tree Huggers Assoc. After a
> recent Forest Fire that was blamed on a wire antenna hung from a
> tree in California it just could be a death penalty to just lean
> on a tree . What? no death penalty in California ! Some things
> could be worse than death.....Chuck
> Wq5B
>
> On 3/8/2014 8:50 PM, Geoff NW7GM wrote:
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>> Can you imagine loading up one of the redwoods in CA? Or would
>> that be illegal because it would exceed the amateur antenna
>> height rules?
>>
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
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>> On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl"
>> <jim.geidl@... <mailto:jim.geidl@...>> wrote:
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>> Well, now, do you need to use different trees for different
>> bands; palm for 80m, blue spruce for 40m, dandelion for CB?
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>> Jim K6JMG
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>> On March 8, 2014 1:01:04 PM PST, Alex Netherton
>> <anetherton@... <mailto:anetherton@...>> wrote:
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>> 73 de KC4BO
>>
>> Alex Netherton
>> http://blueridgediscovery.org
>>
>>
>> On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...
>> <mailto:p_chap@...>> wrote:
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>> Jim, K6JMG
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http://www.avast.com

31678. 80M Vertical needs a rebuild (wind damage) need ideas

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 12:34:45 UTC
From: Goldtr8 (KD8NNU)
Topic: 31678 Message: 31678

Well I came back from being in Europe the last two weeks and my 80M vertical is now an inverted as in the EMT Conduit bent up to the point I can not straighten it anymore. It was 65 ft long and a real 1/4 wave and really worked well plus it was real cheap. But in the end you get what you pay for.

So I want to rebuild it but I need to do it with better materials and this time also I need to understand wind load calculations if I design it myself.

Clearly options are I could purchase online aluminum tubing or find local suppliers in Michigan or I can purchase a pre-engineered solution like from DX engineering. I don't want to use EMT again as its yield point is to low and the stuff bends to easy.

My target requirements are a 1/4 wave resonant for 80m band midpoint.
I have to be able to tilt it over when there are thunderstorms for extra safety. (My current tilt over works good so I have this engineered)
I needs to be strong enough for adding parallel wires for 40m and 20m and the vertical section for and inverted L for 160M.

So can anyone point me in the right direction for the load calculations so I can make some good choices for base materials if I don't go commercial route. Or maybe I should just go the commercial route if others have experience from their own endeavors in making verticals.

The other consideration is that if I can make something stiff or strong enough then in winter I could possible use some capacity hat on it and try 160m instead of the inverted L to see which could work better.

All I know is I sure miss it as there was lots of good DX yesterday evening on 80m and I could not hear anything on the loop and they should have been easy contacts with the vertical.

So just looking for ideas comments and experience with different materials so this time I get the total design correct.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

31679. Re: [ham-antennas] 80M Vertical needs a rebuild (wind damage) need ideas

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 14:18:44 UTC
From: Gerald Bishop
Topic: 31678 Message: 31679

Hi Don- Not sure where you are,I have a 65ft DXe telly mast/vert . that is surplus to my needs. cost me 232 shipped, 150 to you . -headed out for a few hours,but will look you up when I get back . de W8KQ,jerry Alpena,Mi.
----- Original Message -----
From: Goldtr8 (KD8NNU)
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 09, 2014 8:34 AM
Subject: [ham-antennas] 80M Vertical needs a rebuild (wind damage) need ideas

Well I came back from being in Europe the last two weeks and my 80M vertical is now an inverted as in the EMT Conduit bent up to the point I can not straighten it anymore. It was 65 ft long and a real 1/4 wave and really worked well plus it was real cheap. But in the end you get what you pay for.

So I want to rebuild it but I need to do it with better materials and this time also I need to understand wind load calculations if I design it myself.

Clearly options are I could purchase online aluminum tubing or find local suppliers in Michigan or I can purchase a pre-engineered solution like from DX engineering. I don’t want to use EMT again as its yield point is to low and the stuff bends to easy.

My target requirements are a 1/4 wave resonant for 80m band midpoint.
I have to be able to tilt it over when there are thunderstorms for extra safety. (My current tilt over works good so I have this engineered)
I needs to be strong enough for adding parallel wires for 40m and 20m and the vertical section for and inverted L for 160M.

So can anyone point me in the right direction for the load calculations so I can make some good choices for base materials if I don’t go commercial route. Or maybe I should just go the commercial route if others have experience from their own endeavors in making verticals.

The other consideration is that if I can make something stiff or strong enough then in winter I could possible use some capacity hat on it and try 160m instead of the inverted L to see which could work better.

All I know is I sure miss it as there was lots of good DX yesterday evening on 80m and I could not hear anything on the loop and they should have been easy contacts with the vertical.

So just looking for ideas comments and experience with different materials so this time I get the total design correct.

~73
Don
KD8NNU

-.- -.. ---.. -. -. ..-

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31680. Fw: (6)

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 14:48:34 UTC
From: hermit418@...
Topic: 31680 Message: 31680

Hello there! http://www.federicomodica.com/_page.you.here?ixjpo228523

31681. Re: [ham-antennas] RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 14:55:21 UTC
From: Geoff NW7GM
Topic: 31623 Message: 31681

Yes, that's the one.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 9, 2014 4:55 AM, <radiomanl@...> wrote:

>
>
> I think I found the same page . also trying to track down noise .
> http://www.on4ww.be/emi-rfi.html
> andrew
> kd5pnt
>
>

31682. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 15:08:15 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31579 Message: 31682

The area around Wake County NC (Raleigh area) has a 100 foot rule in place for ANY Amateur towers. Apparently some neighbors of a ham with a 200 foot tower got excited about having towers in the country. HOA's have "No antennas other than a sat dish that is customer and ordinary" seems to have ruled the area.

Whether it complies with *federal* regulations doesn't matter to the dolts in county government. (They are more interested in saving the trees and water than complying with the law of the land...)

They "Grandfathered" in a few 200 foot (well, 190 foot) towers that appeared before they decided to leap into the regulation business.

There are worse places-- my apartment allowed a 30 foot stick in back....

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: Chuck Schultz <wq5b@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, March 9, 2014 1:35 AM
Subject: Re: [ham-antennas] Re: tree antenna

There are no Amateur height rules, maybe you are thinking of another radio service. Yes , I am afraid you would be in big trouble , with the California Tree Huggers Assoc. After a recent Forest Fire that was blamed on a wire antenna hung from a tree in California it just could be a death penalty to just lean on a tree . What? no death penalty in California ! Some things could be worse than death.....Chuck Wq5B

31683. Re: [ham-antennas] RE: More on noise...

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 17:51:36 UTC
From: Kenneth G. Gordon
Topic: 31623 Message: 31683

On 9 Mar 2014 at 4:55, radiomanl@... wrote:

> I think I found the same page . also trying to track down noise .
> http://www.on4ww.be/emi-rfi.html http://www.on4ww.be/emi-rfi.html
> andrew
> kd5pnt

Yes. That's it. I have visited his page too, and found it valuable.

FYI, I called a "special person" in our local power company's organization. He is coming on Tuesday with his special equipment to help track down the problem.

Keeping my fingers crossed...

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31684. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 19:23:37 UTC
From: Alex Netherton
Topic: 31579 Message: 31684

There is indeed, or there used to be, a height restriction, of 200 feet above local terrain or something. Since I am unlikely to have a tower any time soon (or maybe in this life), I have not paid attention. I am sure it can be looked up.
Alex KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sun, Mar 9, 2014 at 1:35 AM, Chuck Schultz <wq5b@...> wrote:

>
>
> There are no Amateur height rules, maybe you are thinking of another radio
> service. Yes , I am afraid you would be in big trouble , with the
> California Tree Huggers Assoc. After a recent Forest Fire that was
> blamed on a wire antenna hung from a tree in California it just could be a
> death penalty to just lean on a tree . What? no death penalty in California
> ! Some things could be worse than
> death.....Chuck Wq5B
> On 3/8/2014 8:50 PM, Geoff NW7GM wrote:
>
>
>
> Can you imagine loading up one of the redwoods in CA? Or would that be
> illegal because it would exceed the amateur antenna height rules?
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On Mar 8, 2014 1:47 PM, "James "Jim" M. Geidl" <jim.geidl@...>
> wrote:
>
>>
>>
>> Well, now, do you need to use different trees for different bands; palm
>> for 80m, blue spruce for 40m, dandelion for CB?
>>
>> Jim K6JMG
>>
>> On March 8, 2014 1:01:04 PM PST, Alex Netherton <anetherton@...>
>> wrote:
>>>
>>> Bolt the pot on the bumper, fill with soil, insert tree, place ground
>>> wire from pot to frame of car. Stand back 100 feet when transmitting.
>>>

>>> 73 de KC4BO
>>>
>>> Alex Netherton
>>> http://blueridgediscovery.org
>>>
>>>
>>> On Sat, Mar 8, 2014 at 7:24 AM, <p_chap@...> wrote:
>>>
>>>>
>>>>
>>>> how do you mount a tree on the bumper
>>>>
>>>
>>>
>> --
>> Jim, K6JMG
>>
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

31685. Re: [ham-antennas] Fw: (6)

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 19:24:32 UTC
From: Alex Netherton
Topic: 31680 Message: 31685

Needs moderating?

Alex Netherton
http://blueridgediscovery.org

On Sun, Mar 9, 2014 at 10:48 AM, <hermit418@...> wrote:

>
>
>
> Hello there! http://www.federicomodica.com/_page.you.here?ixjpo228523
>
>
>

31686. Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 19:59:10 UTC
From: Chris Boone
Topic: 31579 Message: 31686

Well, "there is" a 200 foot rule..at least one in Part 97, but it does not restrict you to 200 ft max.

Chris
WB5ITT

§97.15 Station antenna structures.
(a) Owners of certain antenna structures more than 60.96 meters (200 feet) above ground level at the site or located near or at a public use airport must notify the Federal Aviation Administration and register with the Commission as required by part 17 of this chapter.

Never was a 200ft rule .....

31687. Noise - more

Yahoo group: ham-antennas (2014)
Date: 2014-03-09 21:42:28 UTC
From: Kenneth G. Gordon
Topic: 31687 Message: 31687

As I mentioned earlier, there is a very competent noise specialist from Avista corp coming down here on Tuesday to help me track my noise source.

In the meantime, I have discovered another anomally: periodically, at very irregular intervals, and continuing for very irregularly long times, the noise level drops at least 30 db and remains there for varying lengths of times.

When the noise level has dropped, on 80 meters, my ambient noise level then is about S-7.5, which from other info I have heard on this list, is about normal, although that still seems much too high to me.

Ken W7EKB

31688. Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-10 12:23:43 UTC
From: mikerodgerske5gbc@...
Topic: 31579 Message: 31688

The 200' figure comes from the FAA. Anything above 200 has to have lighting and maybe other regs.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31689. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-10 13:23:45 UTC
From: Joe
Topic: 31579 Message: 31689
Attachments: 1 described; binary payloads are missing from this source WARC

Thats what I also thought. It did not limit you to less than 200 feet.
It just made you tell people about it if it was over 200 feet. which
then led to extra stuff like the old red & white paint and lights and
all the headaches involved with that. I remember many a ham that
stopped with18 or 19 sections of tower all the time. he he he

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/9/2014 2:59 PM, Chris Boone wrote:
> Well, "there is" a 200 foot rule..at least one in Part 97, but it does not restrict you to 200 ft max.
>
> Chris
> WB5ITT
>
> §97.15 Station antenna structures.
> (a) Owners of certain antenna structures more than 60.96 meters (200 feet) above ground level at the site or located near or at a public use airport must notify the Federal Aviation Administration and register with the Commission as required by part 17 of this chapter.
>
> ---
>
> Never was a 200ft rule .....
>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
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>

31690. Zepp end-fed--how to set up?

Yahoo group: ham-antennas (2014)
Date: 2014-03-10 21:09:37 UTC
From: John Flynn
Topic: 31690 Message: 31690

Good Day Everyone,

After considering a few options, it looks like a Zepp end-fed antenna will fit on my lot most sneekily. I can orient it in pretty much in any direction (lots of trees), and have a few elevation options. I'd appreciate your tips and observations about how I should go about this project.

Tnx es 73

John K4ARQ

--
John Flynn
Tallahassee, Florida
USA

31691. RE: [ham-antennas] Zepp end-fed--how to set up?

Yahoo group: ham-antennas (2014)
Date: 2014-03-10 21:17:18 UTC
From: Billy McFarland
Topic: 31690 Message: 31691

Vertical and then sloping down or in a vertical position. That's how I would have it if possible. The vertical way is great for dx. If you don't have room for it hung vertically then get the matching section up vertical and the rest sloping down to the ground this will still be good for dx.

73 de GM0OBX billy

31692. New User Group *All about RF Ground Radials*

Yahoo group: ham-antennas (2014)
Date: 2014-03-10 21:41:12 UTC
From: <kb8nty@...>
Topic: 31692 Message: 31692

Just wanted to share information of a new Yahoo user group.
https://groups.yahoo.com/neo/groups/groundradial/conversations/messages
https://groups.yahoo.com/neo/groups/groundradial/conversations/messages

It is specifically for RF Ground Radial talk...Anything and everything about "ground radials"
A public group so registering and waiting for approval just to take part is not required!

Stop by to check it out, join in and share your experiences or ask for help!

-73- Ross KB8NTY
https://groups.yahoo.com/neo/groups/groundradial/conversations/messages
https://groups.yahoo.com/neo/groups/groundradial/conversations/messages

http://www.rossradio.net/ http://www.rossradio.net/

31693. Noise - more

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 03:26:39 UTC
From: Kenneth G. Gordon
Topic: 31687 Message: 31693

Well, it has gotten worse: now it is a steady S-9 on 20 meters.

We'll see what the Avista noise expert finds tomorrow.

Keeping my fingers crossed.

Ken W7EKB

31694. Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 18:56:31 UTC
From: Kenneth G. Gordon
Topic: 31694 Message: 31694

Looks at this point, like the noise is coming from our neighbor's new all electronic furnace.

Power lines absolutely silent.

More later.

Ken W7EKB

31695. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 19:11:01 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31694 Message: 31695

Time to call the furnace manufacturer!! or take it out.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

_____
From: Kenneth G. Gordon <kgordon2006@...>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 11, 2014 2:56 PM
Subject: [ham-antennas] Noise - source possibly found

Looks at this point, like the noise is coming from our neighbor's new all electronic furnace.

Power lines absolutely silent.

More later.

Ken W7EKB

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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

https://info.yahoo.com/legal/us/yahoo/utos/terms/

31696. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 19:17:08 UTC
From: Timothy-Allen Albertson
Topic: 31694 Message: 31696

if they dont cooperate, make a complaint to the FCC---they will get onto
unintentional radiators
such as power companies and electric fences, causing RFI into Ham
Bands--look at the FCC
enforcement letters in the Amateur Section at fcc.gov

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Mar 11, 2014 at 2:11 PM, Bill Blomgren (kk4qdz) <
billblomgren@yahoo.com> wrote:

>
>
> Time to call the furnace manufacturer!! or take it out.
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
> ----------
> *From:* Kenneth G. Gordon <kgordon2006@...>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Tuesday, March 11, 2014 2:56 PM
> *Subject:* [ham-antennas] Noise - source possibly found
>
> Looks at this point, like the noise is coming from our neighbor's new all
> electronic furnace.
>
> Power lines absolutely silent.
>
> More later.
>
> Ken W7EKB
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>

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31697. RE: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 20:15:53 UTC
From: Michael Lodico
Topic: 31694 Message: 31697

Hi Ken,

It's great that you seem to have narrowed down where the noise is coming from but your work has just begun.

If your friends with the neighbors see if you can find out the manufacture and model number of the new furnace. Being electronically control it should have had to pass FCC compliance for radiation. You need to research if it was tested or not. Next if you are an ARRL member contact them to see if you can get some help to totally pinpoint the furnace and the best way to proceed in this case. If you have some friend or club member who owns a spectrum analyzer enlist their help to get field measurements of the frequencies and emission levels. Documentation is your next important step before you can make a complaint. The more you can present for evidence the better your position for getting this resolved. Also remember the old adage "you can get more flies with honey than vinegar" and it applies here because you may be bucking up against a manufacture that has money to burn to protect their product. I hope this helps you out.

73 de K1EG

Mike

Looks at this point, like the noise is coming from our neighbor's new all electronic furnace.

Power lines absolutely silent.

More later.

Ken W7EKB

31698. RE: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 20:24:37 UTC
From: Billy Manley
Topic: 31694 Message: 31698

I've had a problem with the old fashioned circle lights. Usually found in kitchens of older neighborhoods. I live in an old village and can turn a beam in any direction and find interference. I also have one in my apartment. I have also called the power company and had had them come out to fix a interfering transformer... It's been 2 months. And they have had to replace and repair multiple power poles and transformers. They are in the process of changing the street lights in the neighborhood as well.
Best of luck to find your problem.

De
Bill N2NDF

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31699. AW: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 20:29:11 UTC
From: siegfried jackstien
Topic: 31694 Message: 31699

A ham friend in papa alpha also has noise from his neighbours ... high pressure sodium lamps for "special plants" ... he is afraid of calling fcc and tell about that noise ... (wink wink) ;-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy Manley
> Gesendet: Dienstag, 11. März 2014 20:25
> An: ham-antennas@yahoogroups.com; ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Noise - source possibly found
>
>
>
> I've had a problem with the old fashioned circle lights. Usually found in
> kitchens of older neighborhoods. I live in an old village and can turn a
> beam in any direction and find interference. I also have one in my
> apartment. I have also called the power company and had had them come out
> to fix a interfering transformer... It's been 2 months. And they have had
> to replace and repair multiple power poles and transformers. They are in
> the process of changing the street lights in the neighborhood as well.
> Best of luck to find your problem.
>
> De
> Bill N2NDF
>
> Sent from Yahoo Mail for iPhone <https://overview.mail.yahoo.com?.src=iOS>
>
>
> _____
>
> From: Michael Lodico <k1eg@matrix-computers.com>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: RE: [ham-antennas] Noise - source possibly found
> Sent: Tue, Mar 11, 2014 8:15:53 PM
>
>
>
>
>
>
> Hi Ken,

>
>
>
> It□s great that you seem to have narrowed down where the noise is coming
> from but your work has just begun.
>
>
>
> If your friends with the neighbors see if you can find out the manufacture
> and model number of the new furnace. Being electronically control it
> should have had to pass FCC compliance for radiation. You need to
> research if it was tested or not. Next if you are an ARRL member contact
> them to see if you can get some help to totally pinpoint the furnace and
> the best way to proceed in this case. If you have some friend or club
> member who owns a spectrum analyzer enlist their help to get field
> measurements of the frequencies and emission levels. Documentation is
> your next important step before you can make a complaint. The more you
> can present for evidence the better your position for getting this
> resolved. Also remember the old adage □you can get more flies with honey
> than vinegar□ and it applies here because you may be bucking up against a
> manufacture that has money to burn to protect their product. I hope this
> helps you out.
>
>
>
> 73 de K1EG
>
> Mike
>
>
>
> Looks at this point, like the noise is coming from our neighbor's new all
> electronic furnace.
>
> Power lines absolutely silent.
>
> More later.
>
> Ken W7EKB
>
>
>
>

31700. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 20:42:06 UTC
From: Kenneth G. Gordon
Topic: 31694 Message: 31700

On 11 Mar 2014 at 13:24, Billy Manley wrote:

> multiple power poles and transformers.
>They are in the process of changing the
> street lights in the neighborhood as well. Best of luck to find your problem.

Best of luck to you, too, Bill. Let us know how it works out for you. I think we are all curious.

vy 73,

Ken

31701. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 20:54:44 UTC
From: Kenneth G. Gordon
Topic: 31694 Message: 31701

On 11 Mar 2014 at 15:15, Michael Lodico wrote:

>
>
> Hi Ken,
> It's great that you seem to have narrowed down where the noise is coming
> from but your work has just begun.

OH, yes! Agreed.

> If your friends with the neighbors see if
> you can find out the manufacture and model number of the new furnace.

We are friends. They are quite old, like in their 90s, and we kind of watch out for them.

They have told me who installed it. I called the local installer. They told me it was a Ruud. (?) I then told the installation folks what was happening and suggested they call the manufacturer to talk about this issue. I also told them that the FCC looks unfavorably on this sort of things and that the maker might be subject to fines.

> Being
> electronically control it should have had to pass FCC compliance for
> radiation. You need to research if it was tested or not.

I'll have to find out about all this.

> Next if you are an
> ARRL member

I am.

> contact them to see if you can get some help to totally pinpoint
> the furnace and the best way to proceed in this case. If you have some frien
> d or club member who owns a spectrum analyzer enlist their help to get field
> measurements of the frequencies and emission levels.

What I did do was to first call our local power provider, Avista corp. Their noise expert came down this morning and using his detector walked all around for about 3 blocks in every direction. His unit pinpointed the neighbor's basement and the gas line that was coming out of the wall. I know for a fact that the furnace is in the basement fairly close to the gas meter, so that pretty much pinpoints it for me.

> Documentation is your
> next important step before you can make a complaint. The more you can
> present for evidence the better your position for getting this resolved.

I am keeping logs.

> Also remember the old adage "you can get more flies with honey than vinegar"
> and it applies here because you may be bucking up against a manufacture that
> has money to burn to protect their product.

Yup. I am aware of the possible hangups.

> I hope this helps you out. 73 de
> K1EG Mike

It does. Thank you, Mike.

Ken W7EKB

31702. Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 22:11:35 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31702

The service rep came out today and while on the cell phone with me, first unplugged the furnace....which made zero difference. Then he switched off the main breaker to the entire house. Result: zero difference.

Back to the drawing board.

When I set the FT-890 to AM, the sound is exactly like a giant motor, or even a radial aircraft engine running.

Rats!

Well, I am going to add a loop to the FT-890, take the whole mess out to the car, and try to get some triangulation done.

I am not a happy camper.

Ken

31703. RE: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 22:16:09 UTC
From: Michael Lodico
Topic: 31694 Message: 31703

On 11 Mar 2014 at 15:15, Michael Lodico wrote:

>
>
> Hi Ken,
> It's great that you seem to have narrowed down where the noise is coming
> from but your work has just begun.

OH, yes! Agreed.

> If your friends with the neighbors see if
> you can find out the manufacture and model number of the new furnace.

We are friends. They are quite old, like in their 90s, and we kind of watch
out
for them.

They have told me who installed it. I called the local installer. They told
me it
was a Ruud. (?) I then told the installation folks what was happening and
suggested they call the manufacturer to talk about this issue. I also told
them
that the FCC looks unfavorably on this sort of things and that the maker
might be subject to fines.

You won't get any support from the installer, all they care about is selling
systems. Since your friends with the neighbors, which is a big help, can
you look at the furnace and write down all the information on any tags
attached to it. One thing in particular to look for is any info on the tags
that says it meets FFC compliance. My guess is that you will not see that
on any tags because many manufactures are ignorant of the fact or just don't
care that they have to meet these requirements. On the controller for the
furnace especially look for a model number. I believe and maybe others can
chime in but there may be an online FCC database to check items for
compliance.

> Being
> electronically control it should have had to pass FCC compliance for
> radiation. You need to research if it was tested or not.

I'll have to find out about all this.

> Next if you are an
> ARRL member

I am.

> contact them to see if you can get some help to totally pinpoint
> the furnace and the best way to proceed in this case. If you have some
frien
> d or club member who owns a spectrum analyzer enlist their help to get
field
> measurements of the frequencies and emission levels.

Now that you have the proof the measurement portion is the next important
step so that you have frequencies and db's to give the FCC if it comes to
that. But if you call the manufacturer and have this data it will make them
nervous and more likely to help correct the problem.

What I did do was to first call our local power provider, Avista corp. Their

noise expert came down this morning and using his detector walked all
around for about 3 blocks in every direction. His unit pinpointed the
neighbor's basement and the gas line that was coming out of the wall. I know

for a fact that the furnace is in the basement fairly close to the gas
meter, so
that pretty much pinpoints it for me.

Ken that is a great power company you have. The best part is now you have
an independent source pinpointing the source.

> Documentation is your
> next important step before you can make a complaint. The more you can
> present for evidence the better your position for getting this resolved.

I am keeping logs.

> Also remember the old adage "you can get more flies with honey than
vinegar"
> and it applies here because you may be bucking up against a manufacture
that
> has money to burn to protect their product.

Yup. I am aware of the possible hangups.

> I hope this helps you out. 73 de
> K1EG Mike

It does. Thank you, Mike.

Ken W7EKB

73 de K1EG

Mike

31704. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 22:49:52 UTC
From: Geoff NW7GM
Topic: 31694 Message: 31704

He could also work with his neighbor n contacting the mfg instead of being adversarial in this. Yes, the equipment is not in compliance, but saying so and leaving the neighbor to deal with it alone wouldn't make for a good living environment in the neighborhood. Also, if just left to the neighbor to deal with, probably nothing would be done about it.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 11, 2014 12:17 PM, "Timothy-Allen Albertson" <kd0oia@gmail.com> wrote:

>
>
> if they dont cooperate, make a complaint to the FCC---they will get onto
> unintentional radiators
> such as power companies and electric fences, causing RFI into Ham
> Bands--look at the FCC
> enforcement letters in the Amateur Section at fcc.gov
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
> On Tue, Mar 11, 2014 at 2:11 PM, Bill Blomgren (kk4qdz) <
> billblomgren@...> wrote:
>
>>
>>
>> Time to call the furnace manufacturer!! or take it out.
>>
>> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>>
>> ----------
>> *From:* Kenneth G. Gordon <kgordon2006@...>
>> *To:* ham-antennas@yahoogroups.com
>> *Sent:* Tuesday, March 11, 2014 2:56 PM
>> *Subject:* [ham-antennas] Noise - source possibly found
>>
>> Looks at this point, like the noise is coming from our neighbor's new all
>> electronic furnace.
>>
>> Power lines absolutely silent.
>>

>> More later.
>>
>> Ken W7EKB
>>
>>
>> ---
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be
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>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo Groups Links
>>
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>
>

31705. 6m high power Antenna Tuner? MFJ-989 mod?

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 23:07:45 UTC
From: <gfarough@...>
Topic: 31705 Message: 31705

Hi group,
I am using the MFJ-969 antenna tuner 160m-6m
Works well 6m to 300w
I have a higher power application for 6m...
Has anyone tried the MFJ-989 on 6m? It looks like the MJF-969...
Wondering if maybe a mod for the MFJ.989 for 6m?
Or know of high power 160m-6m tuners?
de Glen
VA7CV Comox, BC

31706. Using thhn/thwn wire for balun?

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 23:29:58 UTC
From: Geoff NW7GM
Topic: 31706 Message: 31706

Good afternoon all, I'm wondering if it would be ok to use 14ga solid or stranded thhn/thwn copper wire to make a 1:1 (or any other ratio) balun. Most likely I would be using ferrite toroids, but rods wouldn't be out of the question either. Max RF power would be is 100w.

The first balun I'm hoping to make is a 1:1 current balun/choke for a 6m moxon. I know I can just coil some coax at the feed point for a choke, but I'd rather not. What would the best ferrite mix be at that frequency (50.1 MHz)?

Any help is appreciated.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

31707. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-11 23:57:17 UTC
From: James M. Geidl
Topic: 31702 Message: 31707

Ken,

I took a cheap portable radio and hoofed it around the neighborhood until I found the source. I couldn't quite figure WHAT it was but knew WHERE it was. I called the power company and they sent out the buzz-bloodhound and found that there was an underground transformer that was leaking fluid and noise. They were actually pretty grateful that we had found the noise because they said the transformer was on it's way to an explosion. They replaced the transformer that afternoon and took my noise home in the truck with them.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, March 11, 2014 3:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Noise - source NOT identified.

The service rep came out today and while on the cell phone with me, first unplugged the furnace....which made zero difference. Then he switched off the main breaker to the entire house. Result: zero difference.

Back to the drawing board.

When I set the FT-890 to AM, the sound is exactly like a giant motor, or even a radial aircraft engine running.

Rats!

Well, I am going to add a loop to the FT-890, take the whole mess out to the car, and try to get some triangulation done.

I am not a happy camper.

Ken

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Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

31708. Re: [ham-antennas] Using thhn/thwn wire for balun?

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 00:00:25 UTC
From: Artek Manuals
Topic: 31706 Message: 31708

I have made several Baluns and Ununs using 14GA solid THNN house wire. All tested and worked as expected. Depending on the application they are good to a KW . I have a 2:1 Unun made with this stuff at the base of my 160/80M inverted L that has never broken a sweat in the last 4 years at the full legal limit. I say depending on the application. I would not use it in a case where their are high voltages likely (say because of HIGH SWR) or situations where the core might get hot (marginal core size for the power used) . If your planning higher temperature or voltage operation then Teflon covered wire is a better deal . At 100W however I wouldn't wouldn't worry ibout it for more than a nano second.

Dave
NR1Dx

On 3/11/2014 6:29 PM, Geoff NW7GM wrote:
>
> Good afternoon all, I'm wondering if it would be ok to use 14ga solid
> or stranded thhn/thwn copper wire to make a 1:1 (or any other ratio)
> balun. Most likely I would be using ferrite toroids, but rods wouldn't
> be out of the question either. Max RF power would be is 100w.
>
> The first balun I'm hoping to make is a 1:1 current balun/choke for a
> 6m moxon. I know I can just coil some coax at the feed point for a
> choke, but I'd rather not. What would the best ferrite mix be at that
> frequency (50.1 MHz)?
>
> Any help is appreciated.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31709. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 00:21:11 UTC
From: Billy Manley
Topic: 31702 Message: 31709

Jim,

I've heard of the portable trick but haven't been told what to do. Yes I've only been licensed for 3 years but haven't tried that trick. I have a directional tape measure yagi. I was told to tune to a certain freq. now I'm curious....

De
Bill N2NDF

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31710. Re: Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 00:27:16 UTC
From: <rrmvargo@...>
Topic: 31702 Message: 31710

A Ham friend uses a WiNRADiO Electromagnetic Radiation Detector. ~$60. It helped him. Good luck - Bob

31711. Re: [ham-antennas] Re: Noise detectors

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 00:50:26 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31711

On 11 Mar 2014 at 17:27, rrmvargo@... wrote:

> A Ham friend uses a WiNRADiO Electromagnetic Radiation Detector. ~$60.
> It helped him. Good luck - Bob

$49.95, plus $20 shipping from Australia, $70 to me.

On its way. Thanks.

Ken W7EKB

31712. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 01:11:30 UTC
From: Joe
Topic: 31694 Message: 31712
Attachments: 1 described; binary payloads are missing from this source WARC

```
Also he said the service guy was on the phone with him when the service
guy said he shut it down.

Now how does he know if the service guy really did? he could have easily
said he did, and not do it just to make his own life easier and then to
point blame for the noise elsewhere.
```

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/11/2014 5:49 PM, Geoff NW7GM wrote:
>
>
> He could also work with his neighbor n contacting the mfg instead of
> being adversarial in this. Yes, the equipment is not in compliance,
> but saying so and leaving the neighbor to deal with it alone wouldn't
> make for a good living environment in the neighborhood. Also, if just
> left to the neighbor to deal with, probably nothing would be done
> about it.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Mar 11, 2014 12:17 PM, "Timothy-Allen Albertson" <kd0oia@...
> <mailto:kd0oia@...>> wrote:
>
> if they dont cooperate, make a complaint to the FCC---they will
> get onto unintentional radiators
> such as power companies and electric fences, causing RFI into Ham
> Bands--look at the FCC
> enforcement letters in the Amateur Section at fcc.gov <http://fcc.gov>
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
> On Tue, Mar 11, 2014 at 2:11 PM, Bill Blomgren (kk4qdz)
> <billblomgren@... <mailto:billblomgren@...>> wrote:
>

> Time to call the furnace manufacturer!! or take it out.
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy
> them!
>
> ---
> *From:* Kenneth G. Gordon <kgordon2006@...
> <mailto:kgordon2006@...>>
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Sent:* Tuesday, March 11, 2014 2:56 PM
> *Subject:* [ham-antennas] Noise - source possibly found
>
> Looks at this point, like the noise is coming from our
> neighbor's new all
> electronic furnace.
>
> Power lines absolutely silent.
>
> More later.
>
> Ken W7EKB
>
>
> ---
>
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> <mailto:ham-antennas-unsubscribe@yahoogroups.com>
> List owner: ham-antennas-owner@yahoogroups.com
> <mailto:ham-antennas-owner@yahoogroups.com>
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> ham-antennas-fullfeatured@yahoogroups.com
> <mailto:ham-antennas-fullfeatured@yahoogroups.com>
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31713. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 01:35:25 UTC
From: James M. Geidl
Topic: 31702 Message: 31713

Bill,

I didn't have any fancy dancy equipment to use. If I remeber right, the utility company told me to tune the radio to the upper AM stations to a spot with nothing but noise. It didn't take a lot of tracking to find the noise. I think the fact that the radio I had was kind of junk help because I wasn't picking up noise from any great distance so the closer I got the louder it got.

First, I went through the whole process of turn off the mains at my house to be sure it wasn't internal.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy Manley
Sent: Tuesday, March 11, 2014 5:21 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Noise - source NOT identified.

Jim,

I've heard of the portable trick but haven't been told what to do. Yes I've only been licensed for 3 years but haven't tried that trick. I have a directional tape measure yagi. I was told to tune to a certain freq. now I'm curious....

De
Bill N2NDF <https://overview.mail.yahoo.com?.src=iOS>

Sent from Yahoo Mail for iPhone

From: James M. Geidl <jim.geidl@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: RE: [ham-antennas] Noise - source NOT identified.
Sent: Tue, Mar 11, 2014 11:57:17 PM

Ken,

I took a cheap portable radio and hoofed it around the neighborhood until I found the source. I couldn't quite figure WHAT it was but knew WHERE it was. I called the power company and they sent out the buzz-bloodhound and found that there was an underground transformer that was leaking fluid and

noise. They were actually pretty grateful that we had found the noise because they said the transformer was on it's way to an explosion. They replaced the transformer that afternoon and took my noise home in the truck with them.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com <javascript:return>
[mailto:ham-antennas@yahoogroups.com <javascript:return>] On
Behalf Of Kenneth G. Gordon
Sent: Tuesday, March 11, 2014 3:12 PM
To: ham-antennas@yahoogroups.com <javascript:return>
Subject: [ham-antennas] Noise - source NOT identified.

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Back to the drawing board.

When I set the FT-890 to AM, the sound is exactly like a giant motor, or even a radial aircraft engine running.

Rats!

Well, I am going to add a loop to the FT-890, take the whole mess out to the car, and try to get some triangulation done.

I am not a happy camper.

Ken

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Yahoo Groups Links

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Subscribe: ham-antennas-subscribe@yahoogroups.com <javascript:return>
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com <javascript:return>
List owner: ham-antennas-owner@yahoogroups.com <javascript:return>
Yahoo Groups Links

31714. RE: [ham-antennas] Using thhn/thwn wire for balun?

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 01:39:29 UTC
From: Richard Schmuke
Topic: 31706 Message: 31714

I don't see why not, 14 gage is a real overkill for 100W. I make baluns and unun's out of magnet wire, Teflon covered wire (a real PITA)and my favorite is speaker wire for 1:1's or duel rod 1:1 made into 4:1's. The color coding of the wire helps for ID when you solder the ends. Mix for 50Mhz hertz slips my mind for the moment but color ID is Yellow for 50 Mhz, regular HF will be red.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Tuesday, March 11, 2014 6:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using thhn/thwn wire for balun?

Good afternoon all, I'm wondering if it would be ok to use 14ga solid or stranded thhn/thwn copper wire to make a 1:1 (or any other ratio) balun. Most likely I would be using ferrite toroids, but rods wouldn't be out of the question either. Max RF power would be is 100w.

The first balun I'm hoping to make is a 1:1 current balun/choke for a 6m moxon. I know I can just coil some coax at the feed point for a choke, but I'd rather not. What would the best ferrite mix be at that frequency (50.1 MHz)?

Any help is appreciated.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

31715. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 01:44:29 UTC
From: Billy Manley
Topic: 31702 Message: 31715

I will have to try that out. I have an ht that can get the am band. I will have to try it. Thanks for the info.

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31716. RE: [ham-antennas] Using thhn/thwn wire for balun?

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 01:55:56 UTC
From: Geoff NW7GM
Topic: 31706 Message: 31716

Thanks Rich, but aren't the 'color coded' toroids mostly iron powder? Also, I have a couple toroids that look to be of the 240-xx variety based on the size of them, how can I tell if they are iron powder or ferrite? And how can I determine the composition of them?

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 11, 2014 6:39 PM, "Richard Schmuke" <rdj@...> wrote:

>
>
> I don't see why not, 14 gage is a real overkill for 100W. I make baluns and
> unun's out of magnet wire, Teflon covered wire (a real PITA)and my
> favorite is speaker wire for 1:1's or duel rod 1:1 made into 4:1's. The
> color coding of the wire helps for ID when you solder the ends. Mix for
> 50Mhz hertz slips my mind for the moment but color ID is Yellow for 50 Mhz,
> regular HF will be red.
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Geoff NW7GM
> Sent: Tuesday, March 11, 2014 6:30 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Using thhn/thwn wire for balun?
>
> Good afternoon all, I'm wondering if it would be ok to use 14ga solid or
> stranded thhn/thwn copper wire to make a 1:1 (or any other ratio) balun.
> Most likely I would be using ferrite toroids, but rods wouldn't be out of
> the question either. Max RF power would be is 100w.
>
> The first balun I'm hoping to make is a 1:1 current balun/choke for a 6m
> moxon. I know I can just coil some coax at the feed point for a choke, but
> I'd rather not. What would the best ferrite mix be at that frequency (50.1
> MHz)?
>
> Any help is appreciated.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> [Non-text portions of this message have been removed]

>
>
>

31717. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 02:01:53 UTC
From: Kenneth G. Gordon
Topic: 31694 Message: 31717

On 11 Mar 2014 at 20:11, Joe wrote:

>
> Also he said the service guy was on the phone with him when the service guy said
> he shut it down.
>
> Now how does he know if the service guy really did?

Mainly cuz the service guy and I know one another quite well. We have some
Nagant pistols in common.

> he could have easily said he
> did, and not do it just to make his own life easier and then to point blame for
> the noise elsewhere.

Don't think that happened, but since I am now building a shielded loop to go
do some serious tracking, I'll find out.

Ken W7EKB

31718. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 02:07:53 UTC
From: doug pfaff
Topic: 31694 Message: 31718

Narrow down the frequency band causing the problem and note the noise strength.

Try each band going higher in frequency

You know its a radiated problem because the problem is not on the power line.

Do you have catv service in your neighbour hood?

You also have to remember that the ham radio communications receiver have a much higher sensitity eg lower microvolts senstivity than the standard broadcast band receiver record levels each band.

Harmonics frequency levels get lower in level as the frequency gets higher eg try 29-30 mhz and work your way down.

Use your 2 metre hand helds and see if the problem exists try the low end of your fm receiver eg144 mhz fm band is involved

Remember the problem could be failing power insulators close by within a few feet of your house.

What part of the USA are you in?

Also try the ARRL technical folks there a really good resource and have years of experience.

Todays electronic world has created many more new noise sources.

Is this problem time of day sensitive.eg hospital xray equipment for example operating from 7 am till 9 pm for example

Doug VE5DCP

----- Original Message -----
From: Kenneth G. Gordon
To: ham-antennas@yahoogroups.com
Sent: Tuesday, March 11, 2014 11:56 AM
Subject: [ham-antennas] Noise - source possibly found

Looks at this point, like the noise is coming from our neighbor's new all electronic furnace.

Power lines absolutely silent.

More later.

Ken W7EKB

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31719. RE: [ham-antennas] Using thhn/thwn wire for balun?

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 02:18:39 UTC
From: Richard Schmuke
Topic: 31706 Message: 31719

Without some test equipment that is above my price range I don't know how to tell. I do my fine adjustment with a MFJ-259 and a carbon resistor. I have found out that if a design calls for 18 turns for a 7 to 21 MHz range you need to reduce a turn or two for 28 and 50 MHz add a turn or two for 160 and 80 range. Some of the best reading baluns I have made were from Russian military surplus rods bought from a Lithuania ham on E-Bay. The picture is of a 4:1 x 1:1 switchable balun I made for my incoming ladder line. One time I explained the right hand twist on one and left hand on the other to balance out the electrons but too many people don't understand tongue in cheek design.

RICH, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Tuesday, March 11, 2014 8:56 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Using thhn/thwn wire for balun?

Thanks Rich, but aren't the 'color coded' toroids mostly iron powder? Also, I have a couple toroids that look to be of the 240-xx variety based on the size of them, how can I tell if they are iron powder or ferrite? And how can I determine the composition of them?

Geoff, NW7GM
Seattle, WA
CN87tr

On Mar 11, 2014 6:39 PM, "Richard Schmuke" <rdj@...> wrote:

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
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Good afternoon all, I'm wondering if it would be ok to use 14ga solid or stranded thhn/thwn copper wire to make a 1:1 (or any other ratio) balun. Most likely I would be using ferrite toroids, but rods wouldn't be out of the question either. Max RF power would be is 100w.

The first balun I'm hoping to make is a 1:1 current balun/choke for a 6m moxon. I know I can just coil some coax at the feed point for a choke, but I'd rather not. What would the best ferrite mix be at that frequency (50.1 MHz)?

Any help is appreciated.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

31720. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 02:40:34 UTC
From: David Cole
Topic: 31694 Message: 31720

Given that this seems to be a new install, a probable better way to deal with this is to talk to the installers company, let them know that you are in the drivers seat, and that it is best for their customer, (your neighbor), to solve this problem, prior to including Federal agencies in the fix.

Don't put it off... Act quickly, and make sure your neighbor is in the loop as well. Make this the installers/Manufactures issue. If you wait, it will only get more difficult to solve.

Keep a log of every discussion you have... Let the installer know that you are in the right, that you are not going to go away, and that this will only reflect on them poorly if not corrected. Be nice the entire time, but be firm. This is the installers job to correct. If they doubt that they are responsible go to the FCC web site and point them at any number of enforcement letters the FCC sends out. Remember, be nice the entire time, but keep VERY good notes.
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Tue, 2014-03-11 at 14:17 -0500, Timothy-Allen Albertson wrote:
>
>
> if they dont cooperate, make a complaint to the FCC---they will get
> onto unintentional radiators
>
> such as power companies and electric fences, causing RFI into Ham
> Bands--look at the FCC
> enforcement letters in the Amateur Section at fcc.gov
>
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
>

> On Tue, Mar 11, 2014 at 2:11 PM, Bill Blomgren (kk4qdz)
> <billblomgren@...> wrote:
>
> Time to call the furnace manufacturer!! or take it out.
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy
> them!
>
>
>
> _____
> From: Kenneth G. Gordon <kgordon2006@...>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, March 11, 2014 2:56 PM
> Subject: [ham-antennas] Noise - source possibly found
>
>
> Looks at this point, like the noise is coming from our
> neighbor's new all
> electronic furnace.
>
> Power lines absolutely silent.
>
> More later.
>
> Ken W7EKB
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask
> questions. Replies go to ALL 3336 members (as of 02/16/13).
> and attachments are NOT permitted.
> Any statements in ANY post that may be construed as
> inflamatory MAY be cause for suspension. Moderators WILL have
> final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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31721. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 06:28:16 UTC
From: Michael Lodico
Topic: 31702 Message: 31721

Hi Ken,

This is really disappointing information. It sounded like you had found the source but it appears that the power company guy either did not know what he was doing or just out right lied to you.

Ken let's take this a step at a time. Can you put the radio in the car and tune in the noise and then shut off your main breaker to totally eliminate your house causing the problem? I see you live in what could be considered a somewhat rural area are there any hams in the area that could help you track this noise source down?

I just had another thought. Check with your friend the service guy and ask him if the furnace controller has a back up battery connected to it so it doesn't lose programming in case of a power failure. It's a wild shot but you never know.

When they put in the new furnace did the gas company change out the meter by chance? A lot of newer meters now allow the companies to just drive a truck through the neighborhood and they record your usage remotely. I wish I lived closer I would help you track it down but I hope these questions and suggestions help you. Please keep us all up to date on what you find.

73 de K1EG

Mike

The service rep came out today and while on the cell phone with me, first unplugged the furnace....which made zero difference. Then he switched off the main breaker to the entire house. Result: zero difference.

Back to the drawing board.

When I set the FT-890 to AM, the sound is exactly like a giant motor, or even a radial aircraft engine running.

Rats!

Well, I am going to add a loop to the FT-890, take the whole mess out to the car, and try to get some triangulation done.

I am not a happy camper.

Ken

31722. AW: [ham-antennas] Titan on lower band edges

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 07:01:24 UTC
From: siegfried jackstien
Topic: 31245 Message: 31722

As far as I know all other bands should be wide banded enough to also work well on the lower band edges ... but if you wanna "tune it" especially for lower ends then maybe you have to make the elements a bit longer (hose-clamp and some wire will do fine)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Francis Surovec
> Gesendet: Donnerstag, 6. Februar 2014 16:30
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Titan on lower band edges
>
>
>
> I am in the process of putting a Titan DX back together again and would
> like it tuned to the CW portions of the bands. I understand the capacitor
> for 80 meters at the top of the antenna.... but does installing that
> capacitor automatically move the "sweet spot" of the other bands to the
> lower part of the spectrum? I don't believe I have read anything about
> adjustment for these sections of the bands.... what am I missing?
>
> Francis
>
>
>

31723. AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 07:10:31 UTC
From: siegfried jackstien
Topic: 31702 Message: 31723

Maybe you have a scanner / air band receiver that can do am but on 2m ...
then you can use a tape measure beam and pin-point the noise easy

If you have a handheld am radio with internal ferrite rod antenna then you
can "null out" the noise (antenna receive less from its ends) .. so you will
see that you find 2 directions (or in other words one line) that points in
the direction of the noise source .... then .. walk a few houses in one
direction and to the same again ... and you have another line

Where both lines cross ... there is your source

(same with using a yagi on 2m am)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy Manley
> Gesendet: Mittwoch, 12. März 2014 01:44
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Noise - source NOT identified.
>
>
>
> I will have to try that out. I have an ht that can get the am band. I will
> have to try it. Thanks for the info.
>
> Sent from Yahoo Mail for iPhone <https://overview.mail.yahoo.com?.src=iOS>
>
>
> _____
>
> From: James M. Geidl <jim.geidl@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: RE: [ham-antennas] Noise - source NOT identified.
> Sent: Wed, Mar 12, 2014 1:35:25 AM
>
>
>
>
>
> Bill,
>
> I didn't have any fancy dancy equipment to use. If I remeber right, the

> utility company told me to tune the radio to the upper AM stations to a
> spot with nothing but noise. It didn't take a lot of tracking to find the
> noise. I think the fact that the radio I had was kind of junk help
> because I wasn't picking up noise from any great distance so the closer I
> got the louder it got.
>
> First, I went through the whole process of turn off the mains at my house
> to be sure it wasn't internal.
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
>
> ---
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of Billy Manley
> Sent: Tuesday, March 11, 2014 5:21 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Noise - source NOT identified.
>
>
> Jim,
>
> I've heard of the portable trick but haven't been told what to do. Yes
> I've only been licensed for 3 years but haven't tried that trick. I have a
> directional tape measure yagi. I was told to tune to a certain freq. now
> I'm curious....
>
> De
> Bill N2NDF
>
> Sent from Yahoo Mail for iPhone <https://overview.mail.yahoo.com?.src=iOS>
>
>
> ---
>
> From: James M. Geidl <jim.geidl@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: RE: [ham-antennas] Noise - source NOT identified.
> Sent: Tue, Mar 11, 2014 11:57:17 PM
>
>
> Ken,
>
> I took a cheap portable radio and hoofed it around the neighborhood until
> I
> found the source. I couldn't quite figure WHAT it was but knew WHERE it
> was. I called the power company and they sent out the buzz-bloodhound and

> found that there was an underground transformer that was leaking fluid and
> noise. They were actually pretty grateful that we had found the noise
> because they said the transformer was on it's way to an explosion. They
> replaced the transformer that afternoon and took my noise home in the
> truck
> with them.
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Kenneth G. Gordon
> Sent: Tuesday, March 11, 2014 3:12 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Noise - source NOT identified.
>
> The service rep came out today and while on the cell phone with me, first
> unplugged the furnace....which made zero difference. Then he switched off
> the main breaker to the entire house. Result: zero difference.
>
> Back to the drawing board.
>
> When I set the FT-890 to AM, the sound is exactly like a giant motor, or
> even a radial aircraft engine running.
>
> Rats!
>
> Well, I am going to add a loop to the FT-890, take the whole mess out to
> the
> car, and try to get some triangulation done.
>
> I am not a happy camper.
>
> Ken
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com

> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>

31724. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 12:54:15 UTC
From: Joe
Topic: 31694 Message: 31724
Attachments: 1 described; binary payloads are missing from this source WARC

Can anyone find, & Make copies of these "Letters" Finding them on the FCC site is sometimes really hard to do. Maybe make copies and save them in the files area on the groups web site page?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/11/2014 9:40 PM, David Cole wrote:
> Given that this seems to be a new install, a probable better way to deal
> with this is to talk to the installers company, let them know that you
> are in the drivers seat, and that it is best for their customer, (your
> neighbor), to solve this problem, prior to including Federal agencies in
> the fix.
>
> Don't put it off... Act quickly, and make sure your neighbor is in the
> loop as well. Make this the installers/Manufactures issue. If you
> wait, it will only get more difficult to solve.
>
> Keep a log of every discussion you have... Let the installer know that
> you are in the right, that you are not going to go away, and that this
> will only reflect on them poorly if not corrected. Be nice the entire
> time, but be firm. This is the installers job to correct. If they
> doubt that they are responsible go to the FCC web site and point them at
> any number of enforcement letters the FCC sends out. Remember, be nice
> the entire time, but keep VERY good notes.

31725. Re: [ham-antennas] Noise - source possibly found

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 13:16:10 UTC
From: Joe
Topic: 31694 Message: 31725
Attachments: 2 described; binary payloads are missing from this source WARC

Just got this article from a newspaper discussing this very topic.

http://online.wsj.com/news/articles/SB10001424052702304434104579378994224188328?mod=WSJ_WSJ_US_News_10_1&mg=reno64-wsj&url=http%3A%2F%2Fonline.wsj.com%2Farticle%2FSB10001424052702304434104579378994224188328.html%3Fmod%3DWSJ_WSJ_US_News_10_1

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/12/2014 7:54 AM, Joe wrote:
> Can anyone find, & Make copies of these "Letters" Finding them on the
> FCC site is sometimes really hard to do. Maybe make copies and save
> them in the files area on the groups web site page?
>
> Joe WB9SBD
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 3/11/2014 9:40 PM, David Cole wrote:
>> Given that this seems to be a new install, a probable better way to deal
>> with this is to talk to the installers company, let them know that you
>> are in the drivers seat, and that it is best for their customer, (your
>> neighbor), to solve this problem, prior to including Federal agencies in
>> the fix.
>>
>> Don't put it off... Act quickly, and make sure your neighbor is in the
>> loop as well. Make this the installers/Manufactures issue. If you
>> wait, it will only get more difficult to solve.
>>
>> Keep a log of every discussion you have... Let the installer know that
>> you are in the right, that you are not going to go away, and that this
>> will only reflect on them poorly if not corrected. Be nice the entire
>> time, but be firm. This is the installers job to correct. If they
>> doubt that they are responsible go to the FCC web site and point them at
>> any number of enforcement letters the FCC sends out. Remember, be nice
>> the entire time, but keep VERY good notes.
>

31726. Re: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 13:28:00 UTC
From: worahm@...
Topic: 31702 Message: 31726

I have not followed the thread from the beginning so I apologize if this possibility has already been mentioned.
Many years ago, I discovered two "touch me" lamps in my living room that was causing noise in my Kenwood transceiver.

A touch- me lamp typically uses a chrystal cut for 3818Mhz.

I replaced the touch- me feature with an in-line, on/off switch and the noise disappeared.

Bill KB2GF

31727. Re: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 16:10:23 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31727

On 12 Mar 2014 at 7:10, siegfried jackstien wrote:

> Maybe you have a scanner / air band receiver that can do am but on 2m ...
> then you can use a tape measure beam and pin-point the noise easy

I have thought of that, but I suspect my noise problem is "centered" much lower in frequency. I am going to use an HF loop.

> If you have a handheld am radio with internal ferrite rod antenna then you
> can "null out" the noise (antenna receive less from its ends) ...

I did that. The noise is so strong on the BC band that is simply overwhelms the receiver, and since the receiver has no attenuator, I can't reduce the signal low enough to find anything.

> Where both lines cross ... there is your source

Yes. Triangulation. I have already printed off a detailed map of the area, and have my compass and straight-edge.

> (same with using a yagi on 2m am)

Yes.

At one time when I was much younger, I owned a military DAG-1 DF receiver. Small, portable, tuned from BC to 18 MHz. Built in loop electronics, loop mounted on top of the case, compass installed in the loop. Wish I still had it.

Thanks to all for the advice.

I am now building a shielded loop so I can continue my investigation.

Ken W7EKB

31728. Re: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 16:18:05 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31728

On 12 Mar 2014 at 1:28, Michael Lodico wrote:

> Hi Ken,

Hi, Mike.

> This is really disappointing information.

Yup.

> It sounded like you had found the
> source but it appears that the power company guy either did not know what he
> was doing

Oh he knows what he is doing, all right. He spent quite a bit of time with another ham a year or two ago and finally tracked down a major problem at a substation about 3 miles from the ham. That particular noise wasn't bothering me though.

> or just out right lied to you.

I don't think either fellow did. I know the second guy, and as I said, the first guy was most helpful to another ham.

> Ken let's take this a step at a
> time. Can you put the radio in the car and tune in the noise and then shut
> off your main breaker to totally eliminate your house causing the problem?

Did that. No difference.

> I
> see you live in what could be considered a somewhat rural area are there any
> hams in the area that could help you track this noise source down?

Unfortunately, no. I have already asked for help, and there were none who knows more than I do.

> I just
> had another thought. Check with your friend the service guy and ask him if
> the furnace controller has a back up battery connected to it so it doesn't
> lose programming in case of a power failure.

Did that too. It doesn't. Also, this particular furnace does NOT have a variable speed motor on it. From my reading, this is the thing that is causing major problems: the motor speed control.

> It's a wild shot but you never
> know. When they put in the new furnace did the gas company change out the
> meter by chance?

No. Different company. Besides the Avista guy told me all about those remote-reading meters, tested those nearby and found nothing out of the ordinary. He DID say that there was a bank of those about 4 blocks away that seemed a bit noisy, but not excessively so.

> A lot of newer meters now allow the companies to just drive
> a truck through the neighborhood and they record your usage remotely.

Yes, as I said, the Avista guy told me all about those, and tested all those nearby.

> I wish
> I lived closer I would help you track it down but I hope these questions and
> suggestions help you. Please keep us all up to date on what you find. &nb
> sp; 73 de K1EG Mike

Thank you, Mike. I am now building a loop to connect to the FT-890.

I'll keep the list informed of progress....or lack of it.

vy 73,

Ken W7EKB

31729. AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 17:34:26 UTC
From: siegfried jackstien
Topic: 31702 Message: 31729

Kenneth

Your loop does not have to be resonant ... so 1-2m of stiff wire ... connected direct to coax (or in other words a big pick-up loop) is all what is needed

No need to make a real magnet loop antenna (with coupling loop and capacitor) ... cause you only wanna receive ... and you do not want max gain but only directivity

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Kenneth G. Gordon
> Gesendet: Mittwoch, 12. März 2014 16:18
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Noise - source NOT identified.
>
>
>
> On 12 Mar 2014 at 1:28, Michael Lodico wrote:
>
> > Hi Ken,
>
> Hi, Mike.
>
> > This is really disappointing information.
>
> Yup.
>
> > It sounded like you had found the
> > source but it appears that the power company guy either did not know
> what he
> > was doing
>
> Oh he knows what he is doing, all right. He spent quite a bit of time with
> another ham a year or two ago and finally tracked down a major problem at
> a
> substation about 3 miles from the ham. That particular noise wasn't
> bothering me though.
>
> > or just out right lied to you.
>

> I don't think either fellow did. I know the second guy, and as I said, the
> first
> guy was most helpful to another ham.
>
> > Ken let's take this a step at a
> > time. Can you put the radio in the car and tune in the noise and then
> shut
> > off your main breaker to totally eliminate your house causing the
> problem?
>
> Did that. No difference.
>
> > I
> > see you live in what could be considered a somewhat rural area are there
> any
> > hams in the area that could help you track this noise source down?
>
> Unfortunately, no. I have already asked for help, and there were none who
> knows more than I do.
>
> > I just
> > had another thought. Check with your friend the service guy and ask him
> if
> > the furnace controller has a back up battery connected to it so it
> doesn't
> > lose programming in case of a power failure.
>
> Did that too. It doesn't. Also, this particular furnace does NOT have a
> variable speed motor on it. From my reading, this is the thing that is
> causing
> major problems: the motor speed control.
>
> > It's a wild shot but you never
> > know. When they put in the new furnace did the gas company change out
> the
> > meter by chance?
>
> No. Different company. Besides the Avista guy told me all about those
> remote-reading meters, tested those nearby and found nothing out of the
> ordinary. He DID say that there was a bank of those about 4 blocks away
> that seemed a bit noisy, but not excessively so.
>
> > A lot of newer meters now allow the companies to just drive
> > a truck through the neighborhood and they record your usage remotely.
>
> Yes, as I said, the Avista guy told me all about those, and tested all
> those
> nearby.
>
> > I wish

> > I lived closer I would help you track it down but I hope these questions
> and
> > suggestions help you. Please keep us all up to date on what you find.
> &nb
> > sp; 73 de K1EG Mike
>
> Thank you, Mike. I am now building a loop to connect to the FT-890.
>
> I'll keep the list informed of progress....or lack of it.
>
> vy 73,
>
> Ken W7EKB
>
>
>

31730. Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 18:18:48 UTC
From: <joel@...>
Topic: 31730 Message: 31730

Has anyone had any experience with a product called STUF, marketed by Cross Devices? It is a silica / Teflon filler product that purportedly prevents moisture infiltration into coaxial connection junctions. Living in an area of the country where there are wide swings in ambient temperature and long duration high humidity. Additional product information is available at www.crossdevices.com/cross_devices_002.htm http://www.crossdevices.com/cross_devices_002.htm . Any insight is sincerely appreciated for an upcoming feedline project! Thank you.

31731. Re: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 18:38:06 UTC
From: Joe Hutchens
Topic: 31702 Message: 31731
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

31732. RE: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 20:25:01 UTC
From: Michael Lodico
Topic: 31702 Message: 31732

Hi Ken,

In a way you may have narrowed the noise source down to some degree. Ok, looking at the facts so far we have:

1) You did not have this noise until your neighbor got the new furnace.

2) The power company narrowed it down to the basement and gas line of your neighbor which appears to be the offending items. Let us assume that the guy is right based on what you said about his actions in the past.

3) The service tech which you know turned off the furnace and the power in the neighbors house and the noise persisted.

a. Did he turn off the breaker to the furnace or the whole house main breaker? The reason I ask is did they have to put in new thermostats for the new furnace? If they did they may not be on the same breaker and could be radiating the noise.

4) We are both old time tech's and we both learned that you need energy to create a signal. So if he did turn off the main breaker that leaves us with the question of galvanic energy creating the noise which could be a real bear to track down I personally do not believe it is galvanic in origin,

5) The next steps I would take.

a. You are making the loop antenna for the 890 to sniff the source.

b. Use a cheap transistorized portable radio and scan around the neighbors furnace to see if you can spot where the most noise is coming from.

c. Use a VTVM and check the case of the furnace to ground to see if you get any voltage readings. It should read zero if the furnace is grounded properly.

d. Check their service ground to be sure that is working properly also. A bad house ground could be a noise generator as well as a hazard to the elderly couple.

e. Check their main panel to see if they have a lightning arrestor in the panel. After a couple of hits they should be replaced because they will generate noise and are no longer protecting the house. They operate pretty much like the ones we use on our antennas and can go bad.

f. Using the cheap portable radio turn off the main breaker yourself to check the noise level. See if it goes away or reduces in level.

g. If the noise remains after you turn off the main house breaker then the source might be outside at the meter or the connections to the drop at the house. I know I ran into a problem at my own house where the ground connection to the pole feeding my house was loose and only my ground rod was working. This created noise.

6) Using the 890 did you scan through its entire receive spectrum to note what the frequencies are that the noise is on? I do not remember you posting where the noise level was that you were hearing it at. Also is the noise continuous? It's a long shot but this may tell you the fundamental frequency of the noise and the rest of it is harmonics. If you spot a fundamental frequency it could help you track down the noise source rather than a random noise.

Damn I really wish I lived closer to you. You know how old techs love a good challenge. BTW loved your boat anchor collection. You have some really awesome VLF receivers. I tend to collect boat anchors myself. Especially refurbishing them and getting them on the air. Nothing like the glow of a tube to warm the heart.lol. Again I hope some of these ideas help you.

73 de K1EG

Mike

On 12 Mar 2014 at 1:28, Michael Lodico wrote:

> Hi Ken,

Hi, Mike.

> This is really disappointing information.

Yup.

> It sounded like you had found the
> source but it appears that the power company guy either did not know what he
> was doing

Oh he knows what he is doing, all right. He spent quite a bit of time with another ham a year or two ago and finally tracked down a major problem at a substation about 3 miles from the ham. That particular noise wasn't bothering me though.

> or just out right lied to you.

I don't think either fellow did. I know the second guy, and as I said, the first
guy was most helpful to another ham.

> Ken let's take this a step at a
> time. Can you put the radio in the car and tune in the noise and then shut
> off your main breaker to totally eliminate your house causing the problem?

Did that. No difference.

> I
> see you live in what could be considered a somewhat rural area are there
any
> hams in the area that could help you track this noise source down?

Unfortunately, no. I have already asked for help, and there were none who
knows more than I do.

> I just
> had another thought. Check with your friend the service guy and ask him if
> the furnace controller has a back up battery connected to it so it doesn't
> lose programming in case of a power failure.

Did that too. It doesn't. Also, this particular furnace does NOT have a
variable speed motor on it. From my reading, this is the thing that is
causing
major problems: the motor speed control.

> It's a wild shot but you never
> know. When they put in the new furnace did the gas company change out the
> meter by chance?

No. Different company. Besides the Avista guy told me all about those
remote-reading meters, tested those nearby and found nothing out of the
ordinary. He DID say that there was a bank of those about 4 blocks away
that seemed a bit noisy, but not excessively so.

> A lot of newer meters now allow the companies to just drive
> a truck through the neighborhood and they record your usage remotely.

Yes, as I said, the Avista guy told me all about those, and tested all those

nearby.

> I wish
> I lived closer I would help you track it down but I hope these questions
and
> suggestions help you. Please keep us all up to date on what you find. &nb
> sp; 73 de K1EG Mike

Thank you, Mike. I am now building a loop to connect to the FT-890.

I'll keep the list informed of progress....or lack of it.

vy 73,

Ken W7EKB

31733. AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 20:37:42 UTC
From: siegfried jackstien
Topic: 31702 Message: 31733

So ... seems to be a common noise source (in some areas)

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe Hutchens
> Gesendet: Mittwoch, 12. März 2014 18:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Noise - source NOT identified.
>
>
>
> (...lamps for "special plants" ...) Yes, absolutely the worst noise
> I've ever heard on the bands, ever! It forced me to buy an MFJ-1026 noise
> canceling box. The renters have since moved out of the neighborhood. I
> was lucky, because the landlord was a ham and finally caught them growing
> in the basement.
>
>
> Joe Hutchens (AJ8MH)
> http://webpages.charter.net/aj8mh-radio/
>
>
>
>

31734. Re: [ham-antennas] Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-12 21:09:56 UTC
From: Will
Topic: 31730 Message: 31734

Hi,

I cannot help with that specific product but I normally use self-amalgamating tape. Wrapped tightly over and around connection. Has to be cut off, even after 10 years and connectors look as good and bright as new..

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: joel@...
> Sent: 03/13/14 07:18 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Dielectric Fillers for Coaxial Connections
>
> Has anyone had any experience with a product called STUF, marketed by Cross Devices? It is a silica / Teflon filler product that purportedly prevents moisture infiltration into coaxial connection junctions. Living in an area of the country where there are wide swings in ambient temperature and long duration high humidity. Additional product information is available at www.crossdevices.com/cross_devices_002.htm http://www.crossdevices.com/cross_devices_002.htm . Any insight is sincerely appreciated for an upcoming feedline project! Thank you.

31735. Re: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 00:37:11 UTC
From: David Cole
Topic: 31702 Message: 31735

Sigi,
Is the loop directional in the same way at all frequencies if not
resonant?
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-03-12 at 17:34 +0000, siegfried jackstien wrote:
> Kenneth
>
> Your loop does not have to be resonant ... so 1-2m of stiff wire ...
> connected direct to coax (or in other words a big pick-up loop) is all what
> is needed
>
> No need to make a real magnet loop antenna (with coupling loop and
> capacitor) ... cause you only wanna receive ... and you do not want max gain
> but only directivity
>
> Dg9bfc
>
> Sigi
>
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Kenneth G. Gordon
> > Gesendet: Mittwoch, 12. März 2014 16:18
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Noise - source NOT identified.
> >
> >
> >
> > On 12 Mar 2014 at 1:28, Michael Lodico wrote:
> >
> > > Hi Ken,
> >
> > Hi, Mike.

> >
> > > This is really disappointing information.
> >
> > Yup.
> >
> > > It sounded like you had found the
> > > source but it appears that the power company guy either did not know
> > what he
> > > was doing
> >
> > Oh he knows what he is doing, all right. He spent quite a bit of time with
> > another ham a year or two ago and finally tracked down a major problem at
> > a
> > substation about 3 miles from the ham. That particular noise wasn't
> > bothering me though.
> >
> > > or just out right lied to you.
> >
> > I don't think either fellow did. I know the second guy, and as I said, the
> > first
> > guy was most helpful to another ham.
> >
> > > Ken let's take this a step at a
> > > time. Can you put the radio in the car and tune in the noise and then
> > shut
> > > off your main breaker to totally eliminate your house causing the
> > problem?
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> > Did that. No difference.
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> > > I
> > > see you live in what could be considered a somewhat rural area are there
> > any
> > > hams in the area that could help you track this noise source down?
> >
> > Unfortunately, no. I have already asked for help, and there were none who
> > knows more than I do.
> >
> > > I just
> > > had another thought. Check with your friend the service guy and ask him
> > if
> > > the furnace controller has a back up battery connected to it so it
> > doesn't
> > > lose programming in case of a power failure.
> >
> > Did that too. It doesn't. Also, this particular furnace does NOT have a
> > variable speed motor on it. From my reading, this is the thing that is
> > causing
> > major problems: the motor speed control.
> >

> > > It's a wild shot but you never
> > > know. When they put in the new furnace did the gas company change out
> > the
> > > meter by chance?
> >
> > No. Different company. Besides the Avista guy told me all about those
> > remote-reading meters, tested those nearby and found nothing out of the
> > ordinary. He DID say that there was a bank of those about 4 blocks away
> > that seemed a bit noisy, but not excessively so.
> >
> > > A lot of newer meters now allow the companies to just drive
> > > a truck through the neighborhood and they record your usage remotely.
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> > Yes, as I said, the Avista guy told me all about those, and tested all
> > those
> > nearby.
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> > > I wish
> > > I lived closer I would help you track it down but I hope these questions
> > and
> > > suggestions help you. Please keep us all up to date on what you find.
> > &nb
> > > sp; 73 de K1EG Mike
> >
> > Thank you, Mike. I am now building a loop to connect to the FT-890.
> >
> > I'll keep the list informed of progress....or lack of it.
> >
> > vy 73,
> >
> > Ken W7EKB
> >
> >
> >
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>

>

31736. Re: [ham-antennas] Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 00:41:30 UTC
From: David Cole
Topic: 31730 Message: 31736

Hi,

I am not sure why, but I find that photo of the PL-259, with the pile of "stuff" in it very disturbing... The thought of sealing it in for 10 or so years bothers me for some reason... Like the ZL fellow, I use the tape he described... It is called Rescue Tape at True Value Hardware stores... It works wonderfully well... I have had connectors 10 years old come out looking brand new... Seeing all of that "stuff" inside the connection would make me very worried after a few years... But I have zero experience with it either.

This could just be a case of going with what I know works...
--
Thanks and 73's,
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for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-03-12 at 11:18 -0700, joel@... wrote:
>
>
> Has anyone had any experience with a product called STUF, marketed by
> Cross Devices? It is a silica / Teflon filler product that
> purportedly prevents moisture infiltration into coaxial connection
> junctions. Living in an area of the country where there are wide
> swings in ambient temperature and long duration high humidity.
> Additional product information is available at
> www.crossdevices.com/cross_devices_002.htm . Any insight is sincerely
> appreciated for an upcoming feedline project! Thank you.
>
>

31737. Re: Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 02:44:31 UTC
From: <joel@...>
Topic: 31730 Message: 31737

Thank you for your feedback Will and David. You both make excellent points. I am trending towards a "tape solution" myself at this point.

73,
Joel / W2BJN

31738. RE: Ham Radio Antenna business - Gotham Vertical Writer

Yahoo group: ham-antennas (2014)
Date: 2014-02-17 02:47:47 UTC
From: casey kerchner
Topic: 31738 Message: 31738

I believe it was John W8CCW that wrote.....

RE: How many here bought the "Gotham Vertical" That was advertised forever
> in all the radio magazines from the 60's and 70's?
I still have mine. Actually, it was a great way to learn about
verticals and matching with minimal outlay. One of you talented writers
needs to do an article revisiting the Gotham vertical and what it
takes to have success with the few parts involved. You do realize that
"Gotham" spells "Got Ham" don't you?
* * * * * * * * * * * * * * * *
I know of two different Hams who are writing articles on Gotham Antennas ~
One is on the Verticals, and the other on ALL Gotham Antennas ~
It should be quite interesting to read, and compare Notes from memories of long ago ~

America ~ Find a NEED - Fill a Niche - Get Filthy Rich ;)
or with current taxation and other regulations.....
The Free Enterprise System - the Great American Nighmare

73 de Keith ~ KC9IH
NAQCC, 4SQRP, SKCC, MI-QRP, 10X
QRP-ARCI, Flying Pigs, GORC, et al
Previously ~ WD9GKA, WB9HCL, K9UCF
http://hamradionation.com/home.php
http://hamgallery.com/Tribute/K9EAB/

31739. Re: [ham-antennas] Re: Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 05:57:27 UTC
From: Will
Topic: 31730 Message: 31739

My experience in the high sun/uv & salt that affects much of ZL is that aluminium and clear silicon don't go together. I used to smother A/e connections in the stuff but after a couple or three years it was crystalline and bonded to the metal. Turned to effectively glass. That is why I went to tape.

I certain;y wouldn't want to fill connectors with "stuff"" and hope it kept the water out.

What does it do to the impedance and velocity factor?

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: joel@...
> Sent: 03/13/14 03:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Dielectric Fillers for Coaxial Connections
>
> Thank you for your feedback Will and David. You both make excellent points. I am trending towards a "tape solution" myself at this point.
>
>
>
> 73,
>
> Joel / W2BJN

31740. Re: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 07:15:27 UTC
From: Chuck
Topic: 31702 Message: 31740

I'm still thinking about the connection between the start of the noise and the installation of the new furnace. New furnaces probably use digital thermostats powered by batteries installed in the thermostat. If the thermostat(s) were a noise source it would be unaffected by turning off house power, and the wiring between the furnace and the thermostat might make a good antenna for it. Just a thought on a tough problem - expect the unexpected.

Chuck
W9BIK

Sent from my cell phone - please excuse any typos.

31741. AW: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 07:58:15 UTC
From: siegfried jackstien
Topic: 31702 Message: 31741

Yes it is

1m wire used on 11m (many years ago) ...

The sensitivity is way lower ... but directivity is the magnetic component (if your loop is not that big to be self resonant)

And you WANT lower sensitivity for the hunting of such a noise source

Try it out ... if sensitivity is tooo low ... just use a bigger loop

When you come close to the noise then use smaller loop

Can be build IN SECONDS

I would just take a few feet of "house wire" and a short piece of coax to the rig

Cause it is just a quick and dirty thingy you do not need to make it resonant nor add a handle bar :-)

And ... when you come close to the noise source then maybe also on 2m or 70 cm you can receive that noise ... and then use a yagi and pin point the noise source ...

Some noise sources produce such a high noise level and are so wide banded that when you come close you can receive it without any antenna

... but ... first you have to know a rough area (what house/pole/transformer etc) ... and that should be an easy task if it is a permanent noise

If it is only on cold days then maybe a furnace (most times the variable speed motor) ... if only at night ... then maybe a street lamp ... etc..

So ... finding a noise source can be tricky or easy ... depends on what kind of noise, when and how often, ... what is "the sound of the noise" ...

Good luck in finding :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von David Cole
> Gesendet: Donnerstag, 13. März 2014 00:37
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Noise - source NOT identified.

>
>
>
> Sigi,
> Is the loop directional in the same way at all frequencies if not
> resonant?
> --
> Thanks and 73's,
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> On Wed, 2014-03-12 at 17:34 +0000, siegfried jackstien wrote:
> > Kenneth
> >
> > Your loop does not have to be resonant ... so 1-2m of stiff wire ...
> > connected direct to coax (or in other words a big pick-up loop) is all
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> > is needed
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> > No need to make a real magnet loop antenna (with coupling loop and
> > capacitor) ... cause you only wanna receive ... and you do not want max
> gain
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> > Dg9bfc
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> > Sigi
> >
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> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] Im
> > > Auftrag von Kenneth G. Gordon
> > > Gesendet: Mittwoch, 12. März 2014 16:18
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: Re: [ham-antennas] Noise - source NOT identified.
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> > >
> > >
> > > On 12 Mar 2014 at 1:28, Michael Lodico wrote:
> > >
> > > > Hi Ken,
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> > > Hi, Mike.
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> > > > This is really disappointing information.
> > >
> > > Yup.
> > >
> > > > It sounded like you had found the
> > > > source but it appears that the power company guy either did not know
> > > what he
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> > >
> > > Oh he knows what he is doing, all right. He spent quite a bit of time
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> > > I don't think either fellow did. I know the second guy, and as I said,
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> a
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> find.
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> > > > sp; 73 de K1EG Mike
> > >
> > > Thank you, Mike. I am now building a loop to connect to the FT-890.
> > >
> > > I'll keep the list informed of progress....or lack of it.
> > >
> > > vy 73,
> > >
> > > Ken W7EKB
> > >
> > >
> > >
> >

> >
> >
> > ----------
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> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
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> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo Groups Links
> >
> >
> >
>
>
>
>

31742. Re: AW: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 12:28:12 UTC
From: David Cole
Topic: 31702 Message: 31742

Sigi,

Thanks, I was under the impression that the directivity was related to
loop size! Think I will make a slew of loops, or one I can change...
My loops have always been resonant.

--
Thanks and 73's,
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for MixW support see;
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> 1m wire used on 11m (many years ago) ...
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> The sensitivity is way lower ... but directivity is the magnetic component
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> And you WANT lower sensitivity for the hunting of such a noise source
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> Try it out ... if sensitivity is tooo low ... just use a bigger loop
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> I would just take a few feet of "house wire" and a short piece of coax to
> the rig
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> Cause it is just a quick and dirty thingy you do not need to make it
> resonant nor add a handle bar :-)
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> And ... when you come close to the noise source then maybe also on 2m or 70
> cm you can receive that noise ... and then use a yagi and pin point the
> noise source ...
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> So ... finding a noise source can be tricky or easy ... depends on what kind
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> Good luck in finding :-)
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> Dg9bfc
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> > http://groups.yahoo.com/neo/groups/mixw/info
> > for Dopplergram information see:
> > http://groups.yahoo.com/neo/groups/dopplergram/info
> > for MM-SSTV see:
> > http://groups.yahoo.com/neo/groups/MM-SSTV/info
> >
> > On Wed, 2014-03-12 at 17:34 +0000, siegfried jackstien wrote:
> > > Kenneth
> > >
> > > Your loop does not have to be resonant ... so 1-2m of stiff wire ...
> > > connected direct to coax (or in other words a big pick-up loop) is all
> > what
> > > is needed
> > >
> > > No need to make a real magnet loop antenna (with coupling loop and
> > > capacitor) ... cause you only wanna receive ... and you do not want max

> > gain
> > > but only directivity
> > >
> > > Dg9bfc
> > >
> > > Sigi
> > >
> > >
> > >
> > > > -----Ursprüngliche Nachricht-----
> > > > Von: ham-antennas@yahoogroups.com [mailto:ham-
> > antennas@yahoogroups.com] Im
> > > > Auftrag von Kenneth G. Gordon
> > > > Gesendet: Mittwoch, 12. März 2014 16:18
> > > > An: ham-antennas@yahoogroups.com
> > > > Betreff: Re: [ham-antennas] Noise - source NOT identified.
> > > >
> > > >
> > > >
> > > > On 12 Mar 2014 at 1:28, Michael Lodico wrote:
> > > >
> > > > > Hi Ken,
> > > >
> > > > Hi, Mike.
> > > >
> > > > > This is really disappointing information.
> > > >
> > > > Yup.
> > > >
> > > > > It sounded like you had found the
> > > > > source but it appears that the power company guy either did not know
> > > > what he
> > > > > was doing
> > > >
> > > > Oh he knows what he is doing, all right. He spent quite a bit of time
> > with
> > > > another ham a year or two ago and finally tracked down a major problem
> > at
> > > > a
> > > > substation about 3 miles from the ham. That particular noise wasn't
> > > > bothering me though.
> > > >
> > > > > or just out right lied to you.
> > > >
> > > > I don't think either fellow did. I know the second guy, and as I said,
> > the
> > > > first
> > > > guy was most helpful to another ham.
> > > >
> > > > > Ken let's take this a step at a

> > > > > time. Can you put the radio in the car and tune in the noise and
> > then
> > > > shut
> > > > > off your main breaker to totally eliminate your house causing the
> > > > problem?
> > > >
> > > > Did that. No difference.
> > > >
> > > > > I
> > > > > see you live in what could be considered a somewhat rural area are
> > there
> > > > any
> > > > > hams in the area that could help you track this noise source down?
> > > >
> > > > Unfortunately, no. I have already asked for help, and there were none
> > who
> > > > knows more than I do.
> > > >
> > > > > I just
> > > > > had another thought. Check with your friend the service guy and ask
> > him
> > > > if
> > > > > the furnace controller has a back up battery connected to it so it
> > > > doesn't
> > > > > lose programming in case of a power failure.
> > > >
> > > > Did that too. It doesn't. Also, this particular furnace does NOT have
> > a
> > > > variable speed motor on it. From my reading, this is the thing that is
> > > > causing
> > > > major problems: the motor speed control.
> > > >
> > > > > It's a wild shot but you never
> > > > > know. When they put in the new furnace did the gas company change
> > out
> > > > the
> > > > > meter by chance?
> > > >
> > > > No. Different company. Besides the Avista guy told me all about those
> > > > remote-reading meters, tested those nearby and found nothing out of
> > the
> > > > ordinary. He DID say that there was a bank of those about 4 blocks
> > away
> > > > that seemed a bit noisy, but not excessively so.
> > > >
> > > > > A lot of newer meters now allow the companies to just drive
> > > > > a truck through the neighborhood and they record your usage
> > remotely.
> > > >
> > > > Yes, as I said, the Avista guy told me all about those, and tested all

> > > > those
> > > > nearby.
> > > >
> > > > > I wish
> > > > > I lived closer I would help you track it down but I hope these
> > questions
> > > > and
> > > > > suggestions help you. Please keep us all up to date on what you
> > find.
> > > > &nb
> > > > > sp; 73 de K1EG Mike
> > > >
> > > > Thank you, Mike. I am now building a loop to connect to the FT-890.
> > > >
> > > > I'll keep the list informed of progress....or lack of it.
> > > >
> > > > vy 73,
> > > >
> > > > Ken W7EKB
> > > >
> > > >
> > > >
> > >
> > >
> > >
> > > ---
> > >
> > > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> > go to ALL 3336 members (as of 02/16/13). and attachments are NOT
> > permitted.
> > > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > > Post message: ham-antennas@yahoogroups.com
> > > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > > List owner: ham-antennas-owner@yahoogroups.com
> > > Yahoo Groups Links
> > >
> > >
> > >
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> >
> >
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>
>
>
> ---
>
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>
>
>

31743. Re: [ham-antennas] Re: Dielectric Fillers for Coaxial Connections

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 12:28:56 UTC
From: David Cole
Topic: 31730 Message: 31743

Thanks for the follow up on this Will... I was wondering what would
happen over time...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Thu, 2014-03-13 at 06:57 +0100, Will wrote:
> My experience in the high sun/uv & salt that affects much of ZL is that aluminium and clear silicon don't go together. I used to smother A/e connections in the stuff but after a couple or three years it was crystalline and bonded to the metal. Turned to effectively glass. That is why I went to tape.
>
> I certain;y wouldn't want to fill connectors with "stuff"" and hope it kept the water out.
>
> What does it do to the impedance and velocity factor?
>
> Cheers
> Will
> ZL1TAO
>
>
>
>
> > ----- Original Message -----
> > From: joel@...
> > Sent: 03/13/14 03:44 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] Re: Dielectric Fillers for Coaxial Connections
> >
> > Thank you for your feedback Will and David. You both make excellent points. I am trending towards a "tape solution" myself at this point.
> >
> >
> >
> > 73,
> >
> > Joel / W2BJN

>
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

31744. Re: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 13:48:22 UTC
From: <wd4aon@...>
Topic: 31702 Message: 31744

OK, I think you might want to open your mind a little further and work on other potential sources of RFI. With the house AC mains OFF, what other sources of electricity are there?

Is there anything in the house that is battery operated? Battery backed up clock or something like that? Battery operated outdoor grill sparker? Wireless computer mouse/keyboard? Wireless indoor/outdoor thermometer? Security system? TV or fan remote controls? Anything solar operated/powered? Anything that might have a built-in rechargeable battery that stays on operated by the battery when AC power is lost?

How about the telephone lines - can there be some RFI leakage coming in there? Any cable TV line?

Have you checked for any other changes in the household that occurred at about the same time? Anything new or recently added?

What kind of noise is it - white noise, pink noise, a steady buzz, is it of variable noise level or modulation? Is it continuous or intermittent? If intermittent, regular cycling or irregular? If irregular, does the cycling match anything like weather, temperature, daylight, etc.?

NOTE: It may be useful for someone brighter than I to compile all the ideas that have been suggested in response to this problem as a sort of FAQ or checklist for others to use.

73
Terry
wd4aon at arrl dot net

31745. Re: [ham-antennas] Loops and directivity

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 15:25:45 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31745

On 13 Mar 2014 at 5:28, David Cole wrote:

> Thanks, I was under the impression that the directivity was related to
> loop size! Think I will make a slew of loops, or one I can change...
> My loops have always been resonant.

For receiving and/or for DFing, loop sizes greater than about 0.1 wavelength in "circumference" make the nulls LESS obvious or broader. I say "circumference" since loops don't have to be circular. Square works about as well.

For instance, a loop that is about 0.1 wavelength in circumference at 40 meters exhibits strong and deep nulls on 80 and 160, but broader nulls on 40, although they are still there.

And another factor I discovered the other day while searching for good loop designs: a multiturn loop will often exhibit lower RF "recovery" than a single or two-turn loop. In other words, a multiturn loop will be LESS sensitive than a single or two-turn loop of the same size.

This is, apparently, true for both shielded and unshielded loops.

Also, making the loop resonant is always good. Untuned loops can be useful, but they are usually far less sensitive than a tuned loop.

Ken W7EKB

31746. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 16:44:44 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31746

On 13 Mar 2014 at 3:15, Chuck wrote:

> I'm still thinking about the connection between the start of the noise and the
> installation of the new furnace. New furnaces probably use digital thermostats
> powered by batteries installed in the thermostat. If the thermostat(s) were a
> noise source it would be unaffected by turning off house power, and the wiring
> between the furnace and the thermostat might make a good antenna for it. Just a
> thought on a tough problem - expect the unexpected. Chuck W9BIK

Hello, Chuck. Well, so far we have eliminated the next door neighbor's furnace completely, thermostats and all.

It turns out that the device the Avista man brought down here to check with is an acoustic device, and does not detect HF RF signals at all.

I am going back to him later this week to see if we can get some gear that will be more helpful.

In the meantime, I am resurrecting one of my "ancient" Stoddart NM-20B "Noise Meters". All of the Stoddart gear I have was specifically designed to find this type of noise. The type's modern name is RI/FI meter, or Radio Interference/Field Intensity meter.

The NM-20B (also the AN/PRM-1) tunes from 150 Khz through 25 MHz and has a BFO. It has three loops for it, a "small" one about 8.5" in diameter, a larger one (which not only do I not have, but there isn't even a photo of it in the manual), and two other devices, a small hand-held "loop" about 1" in diameter, and a device to allow the receiver input to be connected directly across an AC line.

And the manual is LOADED with excellent information on how to find noise.

The receiver has a really large meter for measuring microvolts/meter, and outputs for a 'scope and a chart recorder, in addition to headphones.

The build-quality is simply the most beautiful stuff I have ever seen.

Stoddart made such receivers to cover from 20 Hz through 18 GHz.

I am waiting from some parts from Mouser to complete the refurbishment of my NM-20B's power supply.

The, "...a hunting we will go..."

Ken W7EKB

31747. Re: [ham-antennas] Loops and directivity

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 16:46:16 UTC
From: David Cole
Topic: 31702 Message: 31747

Thanks Ken,
I have a loop I use on 40, which is well less than .1 circumference,
and it has serious nulls, like 35 or so db! That made me happy.

I have not tested it on 80 yet, because I assumed the directionality was
unpredictable at non resonant frequencies.

Thank you for suggesting that.
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Thu, 2014-03-13 at 08:25 -0700, Kenneth G. Gordon wrote:
> On 13 Mar 2014 at 5:28, David Cole wrote:
>
> > Thanks, I was under the impression that the directivity was related to
> > loop size! Think I will make a slew of loops, or one I can change...
> > My loops have always been resonant.
>
> For receiving and/or for DFing, loop sizes greater than about 0.1 wavelength
> in "circumference" make the nulls LESS obvious or broader. I say
> "circumference" since loops don't have to be circular. Square works about as
> well.
>
> For instance, a loop that is about 0.1 wavelength in circumference at 40
> meters exhibits strong and deep nulls on 80 and 160, but broader nulls on
> 40, although they are still there.
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> And another factor I discovered the other day while searching for good loop
> designs: a multiturn loop will often exhibit lower RF "recovery" than a single
> or two-turn loop. In other words, a multiturn loop will be LESS sensitive than
> a single or two-turn loop of the same size.
>
> This is, apparently, true for both shielded and unshielded loops.
>
> Also, making the loop resonant is always good. Untuned loops can be useful,
> but they are usually far less sensitive than a tuned loop.
>
> Ken W7EKB

31748. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 16:54:50 UTC
From: Timothy-Allen Albertson
Topic: 31702 Message: 31748

Here is an interesting article I got this am from a nearby club's listserv:

That Doorbell Looks Innocent, But It May Be a Federal Offender

FCC Agents Track Rogue Radio Waves To Aquariums, Bulbs, Blankets; $16,000
Fines

By Thomas Gryta
Wall Street Journal 12 March 2014

Tiny URL:
http://tinyurl.com/k95vlpd

Full url:
http://online.wsj.com/news/articles/SB20001424052702304434104579378994224188
328?mg=reno64-wsj&url=http%3A%

2F%2Fonline.wsj.com%2Farticle%2FSB200014240527
02304434104579378994224188328.html

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 11:44 AM, Kenneth G. Gordon <
kgordon2006@...> wrote:

>
>
> On 13 Mar 2014 at 3:15, Chuck wrote:
>
> > I'm still thinking about the connection between the start of the noise
> and the
> > installation of the new furnace. New furnaces probably use digital
> thermostats
> > powered by batteries installed in the thermostat. If the thermostat(s)
> were a
> > noise source it would be unaffected by turning off house power, and the
> wiring
> > between the furnace and the thermostat might make a good antenna for it.
> Just a
> > thought on a tough problem - expect the unexpected. Chuck W9BIK
>
> Hello, Chuck. Well, so far we have eliminated the next door neighbor's
> furnace completely, thermostats and all.
>
> It turns out that the device the Avista man brought down here to check
> with is

> an acoustic device, and does not detect HF RF signals at all.
>
> I am going back to him later this week to see if we can get some gear that
> will be more helpful.
>
> In the meantime, I am resurrecting one of my "ancient" Stoddart NM-20B
> "Noise Meters". All of the Stoddart gear I have was specifically designed
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> find this type of noise. The type's modern name is RI/FI meter, or Radio
> Interference/Field Intensity meter.
>
> The NM-20B (also the AN/PRM-1) tunes from 150 Khz through 25 MHz and
> has a BFO. It has three loops for it, a "small" one about 8.5" in
> diameter, a
> larger one (which not only do I not have, but there isn't even a photo of
> it in
> the manual), and two other devices, a small hand-held "loop" about 1" in
> diameter, and a device to allow the receiver input to be connected
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> across an AC line.
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> And the manual is LOADED with excellent information on how to find noise.
>
> The receiver has a really large meter for measuring microvolts/meter, and
> outputs for a 'scope and a chart recorder, in addition to headphones.
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> The build-quality is simply the most beautiful stuff I have ever seen.
>
> Stoddart made such receivers to cover from 20 Hz through 18 GHz.
>
> I am waiting from some parts from Mouser to complete the refurbishment of
> my NM-20B's power supply.
>
> The, "...a hunting we will go..."
>
> Ken W7EKB
>
>

31749. Re: AW: [ham-antennas] Noise - source NOT identified.

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 16:55:02 UTC
From: mikerodgerske5gbc@...
Topic: 31702 Message: 31749

Solar Panels? Although solar panels are quiet, their controllers can be noisy.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31750. RE: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 18:21:10 UTC
From: William Collister
Topic: 31702 Message: 31750

Come to think of it, I did have to change out a doorbell xfmr (after I located the darn thing in the attic) for being a terrible noise source at the first house the bank & I owned.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: kd0oia@gmail.com
Date: Thu, 13 Mar 2014 11:54:50 -0500
Subject: Re: [ham-antennas] Noise - yet more and Stoddart

Here is an interesting article I got this am from a nearby club's listserv:

That Doorbell Looks Innocent, But It May Be a Federal Offender

FCC Agents Track Rogue Radio Waves To Aquariums, Bulbs, Blankets; $16,000 Fines

By Thomas Gryta
Wall Street Journal 12 March 2014

Tiny URL:
http://tinyurl.com/k95vlpd

Full url:
http://online.wsj.com/news/articles/SB20001424052702304434104579378994224188328?mg=reno64-wsj&url=http%3A%2F%2Fonline.wsj.com%2Farticle%2FSB200014240527023044341045793789942241883 28.html

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 11:44 AM, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

On 13 Mar 2014 at 3:15, Chuck wrote:

> I'm still thinking about the connection between the start of the noise and the
> installation of the new furnace. New furnaces probably use digital thermostats
> powered by batteries installed in the thermostat. If the thermostat(s) were a
> noise source it would be unaffected by turning off house power, and the wiring
> between the furnace and the thermostat might make a good antenna for it. Just a
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Stoddart made such receivers to cover from 20 Hz through 18 GHz.

I am waiting from some parts from Mouser to complete the refurbishment of my NM-20B's power supply.

The, "...a hunting we will go..."

Ken W7EKB

31751. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 18:22:37 UTC
From: Timothy-Allen Albertson
Topic: 31702 Message: 31751

i got dogs--they dont cause RFI

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 1:21 PM, William Collister <n7mog@...> wrote:

>
>
> Come to think of it, I did have to change out a doorbell xfmr (after I
> located the darn thing in the attic) for being a terrible noise source at
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> Bill
> N7MOG
>
> ----------
> To: ham-antennas@yahoogroups.com
> From: kd0oia@...
> Date: Thu, 13 Mar 2014 11:54:50 -0500
> Subject: Re: [ham-antennas] Noise - yet more and Stoddart
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> By Thomas Gryta
> Wall Street Journal 12 March 2014
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> Tiny URL:
> http://tinyurl.com/k95vlpd
>
> Full url:
>
> http://online.wsj.com/news/articles/SB20001424052702304434104579378994224188
> 328?mg=reno64-wsj&url=http%3A%
>
> 2F%2Fonline.wsj.com <http://2fonline.wsj.com/>%2Farticle%2FSB200014240527
> 02304434104579378994224188328.html

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> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
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> I am waiting from some parts from Mouser to complete the refurbishment of
> my NM-20B's power supply.
>
> The, "...a hunting we will go..."
>
> Ken W7EKB
>
>
>
>
>

31752. RE: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 18:26:46 UTC
From: William Collister
Topic: 31702 Message: 31752

I have dogs also, but you pay Purina instead of Con-Edison ☐

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: kd0oia@gmail.com
Date: Thu, 13 Mar 2014 13:22:37 -0500
Subject: Re: [ham-antennas] Noise - yet more and Stoddart

i got dogs--they dont cause RFI

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 1:21 PM, William Collister <n7mog@msn.com> wrote:

Come to think of it, I did have to change out a doorbell xfmr (after I located the darn thing in the attic) for being a terrible noise source at the first house the bank & I owned.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: kd0oia@gmail.com
Date: Thu, 13 Mar 2014 11:54:50 -0500
Subject: Re: [ham-antennas] Noise - yet more and Stoddart

Here is an interesting article I got this am from a nearby club's listserv:

That Doorbell Looks Innocent, But It May Be a Federal Offender

FCC Agents Track Rogue Radio Waves To Aquariums, Bulbs, Blankets; $16,000 Fines

By Thomas Gryta
Wall Street Journal 12 March 2014

Tiny URL:
http://tinyurl.com/k95vlpd

Full url:
http://online.wsj.com/news/articles/SB20001424052702304434104579378994224188328?mg=reno64-wsj&url=http%3A%2F%2Fonline.wsj.com%2Farticle%2FSB20001424052702304434104579378994224188328.html

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 11:44 AM, Kenneth G. Gordon <kgordon2006@frontier.com> wrote:

On 13 Mar 2014 at 3:15, Chuck wrote:

> I'm still thinking about the connection between the start of the noise and the
> installation of the new furnace. New furnaces probably use digital thermostats
> powered by batteries installed in the thermostat. If the thermostat(s) were a
> noise source it would be unaffected by turning off house power, and the wiring
> between the furnace and the thermostat might make a good antenna for it. Just a
> thought on a tough problem - expect the unexpected. Chuck W9BIK

Hello, Chuck. Well, so far we have eliminated the next door neighbor's
furnace completely, thermostats and all.

It turns out that the device the Avista man brought down here to check with is
an acoustic device, and does not detect HF RF signals at all.

I am going back to him later this week to see if we can get some gear that
will be more helpful.

In the meantime, I am resurrecting one of my "ancient" Stoddart NM-20B
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And the manual is LOADED with excellent information on how to find noise.

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Stoddart made such receivers to cover from 20 Hz through 18 GHz.

I am waiting from some parts from Mouser to complete the refurbishment of
my NM-20B's power supply.

The, "...a hunting we will go..."

Ken W7EKB

31753. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 18:27:50 UTC
From: Timothy-Allen Albertson
Topic: 31702 Message: 31753

true---but they have other benefits

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Mar 13, 2014 at 1:26 PM, William Collister <n7mog@...> wrote:

>
>
> I have dogs also, but you pay Purina instead of Con-Edison [image: Emoji]
> Bill
> N7MOG
>
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> To: ham-antennas@yahoogroups.com
> From: kd0oia@...
> Date: Thu, 13 Mar 2014 13:22:37 -0500
>
> Subject: Re: [ham-antennas] Noise - yet more and Stoddart
>
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> To: ham-antennas@yahoogroups.com
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>
> Tiny URL:
> http://tinyurl.com/k95vlpd
>
> Full url:
>
> http://online.wsj.com/news/articles/SB20001424052702304434104579378994224188
> 328?mg=reno64-wsj&url=http%3A% 2F%2Fonline.wsj.com<http://2fonline.wsj.com/>
> %2Farticle%2FSB200014240527
> 02304434104579378994224188328.html
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> > between the furnace and the thermostat might make a good antenna for it.
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>
> The, "...a hunting we will go..."
>
> Ken W7EKB
>
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>

31754. Re: Ham Radio Antenna business - Gotham Vertical Writer

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 18:39:46 UTC
From: mikerodgerske5gbc@...
Topic: 31738 Message: 31754

Was that Gotham vertical sold by Wolfman Jack?

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31755. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 19:11:07 UTC
From: Chuck
Topic: 31702 Message: 31755

Thanks for the update Ken. I think you have everyone's curiosity aroused about this noise issue and what could be its source. It seems like you are doing the right things as you go about eliminating the possibilities and narrowing the search. Please continue to keep the group posted with your adventures in finding the culprit. People such as me that are offering advice can only react to the posted symptoms and your latest findings, so keep the updates coming!

Good luck!

73
Chuck
W9BIK

Sent from my cell phone - please excuse any typos.
On Mar 13, 2014 12:45 PM, "Kenneth G. Gordon" <kgordon2006@...>
wrote:

> On 13 Mar 2014 at 3:15, Chuck wrote:
>
> > I'm still thinking about the connection between the start of the noise
> and the
> > installation of the new furnace. New furnaces probably use digital
> thermostats
> > powered by batteries installed in the thermostat. If the thermostat(s)
> were a
> > noise source it would be unaffected by turning off house power, and the
> wiring
> > between the furnace and the thermostat might make a good antenna for it.
> Just a
> > thought on a tough problem - expect the unexpected. Chuck W9BIK
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> furnace completely, thermostats and all.
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> It turns out that the device the Avista man brought down here to check
> with is
> an acoustic device, and does not detect HF RF signals at all.
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> will be more helpful.
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> diameter, and a device to allow the receiver input to be connected directly
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>
> I am waiting from some parts from Mouser to complete the refurbishment of
> my NM-20B's power supply.
>
> The, "...a hunting we will go..."
>
> Ken W7EKB
>

31756. Re: [ham-antennas] Loops and directivity

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 22:53:47 UTC
From: Andy
Topic: 31702 Message: 31756

My understanding is that a loop's directivity is not affected by the use of an "antenna tuner" (i.e., a capacitor) to make it appear electrically "resonant" from the feedpoint. OTOH, a loop that is naturally resonant without an added cap is an electrically large loop, close to 1 wavelength in circumference. That loop's directivity will be totally different than that of a small loop.

As long as the circumference is smaller than about 0.1 wavelength, then size shouldn't affect directivity. Going to a smaller frequency means the size is even smaller compared to a wavelength. If it already was small enough to have good nulls, its nulls should be just as good at the lower freq. (maybe even better).

Tuning a loop to make it "resonant" mainly just changes how effectively it can transfer the energy into the receiver.

Andy

31757. Re: [ham-antennas] Loops and directivity

Yahoo group: ham-antennas (2014)
Date: 2014-03-13 23:08:53 UTC
From: Kenneth G. Gordon
Topic: 31702 Message: 31757

On 13 Mar 2014 at 18:53, Andy wrote:

>
>
> My understanding is that a loop's directivity is not affected by the use of an
> "antenna tuner" (i.e., a capacitor) to make it appear electrically "resonant"
> from the feedpoint.

Correct. In fact, the Stoddart NM-10 "Noise Meter" I have here does just that and, in fact, parallels the loop's internal capacitor with external tuning caps so that it is resonant at whatever frequency you are tuned to. The loop itself (500 uH) with the internal 200 pfd capacitor is resonant at about 500 KHz, then the tuning system allows resonating the loop at the receiver frequencies, which cover from 14 through 250 KHz.

> OTOH, a loop that is naturally resonant without an added cap
> is an electrically large loop, close to 1 wavelength in circumference. That
> loop's directivity will be totally different than that of a small loop.

Yes. It would be much more effective as a transmitting antenna, and most certainly would be almost useless for DFing.

For DFing at HF, especially over along distance, the Adcock array is excellent....unless one could afford a Wullenweber array (AN/FLR-9)...

> As long as the circumference is smaller than about 0.1 wavelength, then size
> shouldn't affect directivity. Going to a smaller frequency

I think you meant, "...lower frequency..."

> means the size is
> even smaller compared to a wavelength. If it already was small enough to have
> good nulls, its nulls should be just as good at the lower freq. (maybe even
> better).

They normally ARE better, but at the lower frequency, the loop efficiency becomes less: i.e., the loop is less sensitive.

> Tuning a loop to make it "resonant" mainly just changes how effectively it can
> transfer the energy into the receiver.

Yes, but sometimes that can be quite significantly better.

vy 73,

Ken W7EKB

31758. RE: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-14 05:38:06 UTC
From: Michael Lodico
Topic: 31702 Message: 31758

On 13 Mar 2014 at 3:15, Chuck wrote:

> I'm still thinking about the connection between the start of the noise and
the
> installation of the new furnace. New furnaces probably use digital
thermostats
> powered by batteries installed in the thermostat. If the thermostat(s)
were a
> noise source it would be unaffected by turning off house power, and the
wiring
> between the furnace and the thermostat might make a good antenna for it.
Just a
> thought on a tough problem - expect the unexpected. Chuck W9BIK

Hello, Chuck. Well, so far we have eliminated the next door neighbor's
furnace completely, thermostats and all.

It turns out that the device the Avista man brought down here to check with
is
an acoustic device, and does not detect HF RF signals at all.

OMG Ken, it seems like nothing is working out correctly for you. I can't
believe he brought an acoustic detector instead of an RF one.

I am going back to him later this week to see if we can get some gear that
will be more helpful.

In the meantime, I am resurrecting one of my "ancient" Stoddart NM-20B
"Noise Meters". All of the Stoddart gear I have was specifically designed to

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in
the manual), and two other devices, a small hand-held "loop" about 1" in
diameter, and a device to allow the receiver input to be connected directly
across an AC line.

I think you are on the right track going this route.

And the manual is LOADED with excellent information on how to find noise.

The receiver has a really large meter for measuring microvolts/meter, and
outputs for a 'scope and a chart recorder, in addition to headphones.

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Stoddart made such receivers to cover from 20 Hz through 18 GHz.

I am waiting from some parts from Mouser to complete the refurbishment of my NM-20B's power supply.

The, "...a hunting we will go..."

Ken W7EKB

Good hunting Ken.

73 de K1EG

Mike

31759. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-14 06:33:30 UTC
From: Andy
Topic: 31702 Message: 31759

Michael wrote:

"I can't believe he brought an acoustic detector instead of an RF one."

I'm sure it is meant to locate power line noise coming from bad insulators and transformers. He must have thought the source of the problem would be wiring on the utility poles. That's what they use to find those offenders.

Andy

31760. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-14 12:21:40 UTC
From: David Cole
Topic: 31702 Message: 31760

Hi,

He may have been following the guidelines set by his company... It may be that the Power company does not want to become involved in locating non power company sources... Once they rule out their own equipment, they are essentially out of the picture, unless they choose to be involved.

The power companies are under no obligation to help beyond, the "it's not our fault" stage of things. I mention this to be sure you are aware of this, which you probably are.

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Fri, 2014-03-14 at 02:33 -0400, Andy wrote:
>
>
> Michael wrote:
>
>
> "I can’t believe he brought an acoustic detector instead of an RF
> one."
>
>
> I'm sure it is meant to locate power line noise coming from bad
> insulators and transformers. He must have thought the source of the
> problem would be wiring on the utility poles. That's what they use to
> find those offenders.
>
>
> Andy
>
>
>
>
>
>

>

31761. Re: [ham-antennas] Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-14 12:48:24 UTC
From: Joe
Topic: 31702 Message: 31761
Attachments: 1 described; binary payloads are missing from this source WARC

usually the boundary is the meter, anything after the meter is 99% of
the time your problem.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/14/2014 7:21 AM, David Cole wrote:
> Hi,
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> He may have been following the guidelines set by his company... It may
> be that the Power company does not want to become involved in locating
> non power company sources... Once they rule out their own equipment,
> they are essentially out of the picture, unless they choose to be
> involved.
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> The power companies are under no obligation to help beyond, the "it's
> not our fault" stage of things. I mention this to be sure you are aware
> of this, which you probably are.
>

31762. Re: Noise - yet more and Stoddart

Yahoo group: ham-antennas (2014)
Date: 2014-03-14 13:42:59 UTC
From: Dave Rickmers
Topic: 31702 Message: 31762

Whatever happened to banging on the poles with a sledgehammer at night, looking for sparks? (humor)

Loops and noise problems go together.

I have an 80m full wave horizontal loop terminated with an MFJ 4:1 Guanella (?) current BalUn driving RG8X. It is about 15' above ground. They are actually "resonant" at half the physical length, and all higher frequencies (within reason). The theoretical polarization is vertical. This is my SWL BCBDX antenna, for my bedside Lowe HF-150. It is virtually deaf to everything in the house except the microwave oven. It doesn't pick up the next door neighbors' light dimmers. Web Search for "sky loop"

73 de Dave

31763. Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 12:31:57 UTC
From: Original Woodchuck
Topic: 31763 Message: 31763

HI,

A question or three...

The hypothesis: imagine a collinear array of two horizonatal dipoles. They have been trimmed and elevated so that they have (each) a feed point impedance of (surprise!) 50 ohms. Now we arrange to feed them, deciding that they should be fed in phase.

To do this, we connect 1/2 wavelength of 50 ohm coax to each mid-dipole feedpoint. Each of these 1/2 lambda phasing cables has, at its end, an impedance of 50 ohms. Why? Because the dipole has a Z of 50, and it is 50 ohm cable, and, regardless of its length, it is a line terminated in its characteristic impedance.

We then join these two phasing lines in a garden variety 50 ohm T-connector. The outlet of the T is connected to a 50 0hm coax to the transceiver, "of any length."

Question 1: The impedance seen at the outlet of the T connector is 25 Ohms, true? There are two 50 ohm loads in parallel, hence 25 Ohms. (This is a sanity check).

Question 2: Why not place a 1:2 transformer at the outlet of the T, or some other way of flattening the feedling from the T to the transceiver? Why induce a vswr of 2 you can avoid?

Question 3: The author (this is from the ARRL Antenna Compendium Vol 7) is adamant that these phasing cables be 1/2 wavelength long. Why? It seems to me that the phase angle between array elements will be 0 for any length provided that each cable has the same length. Other authors also get picky about this 1/2 lambda length, but they are talking of arrays that are phased at some other angle. Is there any reason for /this/ array, fed in phase, to have phasing cables that are exact multiples of 1/2 lambda? It seems more like witchcraft than science. Sure, if they are not in phase, then I might understand a load balancing problem. It would seem that to feed in phase, all that need be satisfied is symmetry.

73 from Dave, AB3NR

31764. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 12:44:44 UTC
From: Artek Manuals
Topic: 31763 Message: 31764

For starters even though the dipoles by themselves are 50 ohms ...once they are fed in phase (or out of phase as the case may be) The impedance of the two dipoles changes because of the coupling between the two dipoles. There are all kinds of graphs and equations for predicting this.

1/2 wave line is often used because in the case of a mismatch the measured impedance as seen at the end of the line (assuming loss-less coax) is exactly the same as the input impedance regardless of the mismatch. Other lengths will produce an output impedance that is different than the input (read the section in the ARRL Antenna book on matching stubs to get some insight)

Dave
NR1DX

On 3/15/2014 7:31 AM, Original Woodchuck wrote:
>
> HI,
>
> A question or three...
>
> The hypothesis: imagine a collinear array of two horizonatal
> dipoles. They have been trimmed and elevated so that they have (each)
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> them, deciding that they should be fed in phase.
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> To do this, we connect 1/2 wavelength of 50 ohm coax to each mid-dipole
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> in its characteristic impedance.
>
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> transceiver, "of any length."
>
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> (This is a sanity check).
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> some other way of flattening the feedling from the T to the transceiver?
> Why induce a vswr of 2 you can avoid?
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> Sure, if they are not in phase, then I might understand a load balancing
> problem. It would seem that to feed in phase, all that need be satisfied
> is symmetry.
>
> 73 from Dave, AB3NR
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31765. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 13:16:26 UTC
From: Original Woodchuck
Topic: 31763 Message: 31765

On Sat, Mar 15, 2014 at 07:44:44AM -0500, Artek Manuals wrote:
> For starters even though the dipoles by themselves are 50 ohms
> ...once they are fed in phase (or out of phase as the case may be)
> The impedance of the two dipoles changes because of the coupling
> between the two dipoles. There are all kinds of graphs and equations
> for predicting this.

None of which, I believe, apply for collinear dipoles. The case is "in phase". We want equal power in each dipole. We want symmetric patterns, etc etc.

> 1/2 wave line is often used because in the case of a mismatch the
> measured impedance as seen at the end of the line (assuming
> loss-less coax) is exactly the same as the input impedance
> regardless of the mismatch. Other lengths will produce an output

Yes. We all know this. I hope. It is good to put it on the table, though.

> impedance that is different than the input (read the section in
> the ARRL Antenna book on matching stubs to get some insight)

Oh, I'm well aware of the feedline equation. My awareness tells me that the two phaselines have the same input Z (at the T), and the symmetry of the problem tells me that the two dipoles are indistinguishable. The feedline equation then informs me that the equations for each phaseline are the same, i.e. work the same transformation on each element.

> Dave
> NR1DX

Thanks!

How much do two antennas that are collinear couple? My instinct says "not so much." At least in free space, a dipole has a null there. (But I would argue that it doesn't matter if the dipoles were parallel, provided symmetry was maintained.) So suppose they *do* couple. There is symmetry in this problem, and it says that what A does to B, B does to A.

By "doesn't matter" I mean that dipoles A and B dissipate equal power, given equal phaseline lengths. So I guess the issue is, is that power the same if that equal length is not 1/2 lambda? Even if everything is uncoupled, the antenna array is not matched to its feedline, the array presenting 25 ohms (at the outlet of the T).

How does coupling make A and B *different*? If they're not different, then how can one end up with a current different from the other? How can impedances that are not matched -- but are the same mismatch for each antenna -- result in any difference at all between A and B?

Symmetry means that if we write a complete description of this array, with a subscript A for one element and B for the other, then we can interchange subscripts everywhere and the equations stay the same.

You see my problem?

I believe the answer has to do with power transfer in the general case, and I believe this particular author to possibly be wrong.

Dave, AB3NR

>
>
>
> On 3/15/2014 7:31 AM, Original Woodchuck wrote:
> >
> >HI,
> >
> >A question or three...
> >
> >The hypothesis: imagine a collinear array of two horizonatal
> >dipoles. They have been trimmed and elevated so that they have (each)
> >a feed point impedance of (surprise!) 50 ohms. Now we arrange to feed
> >them, deciding that they should be fed in phase.
> >
> >To do this, we connect 1/2 wavelength of 50 ohm coax to each mid-dipole
> >feedpoint. Each of these 1/2 lambda phasing cables has, at its end,
> >an impedance of 50 ohms. Why? Because the dipole has a Z of 50, and it
> >is 50 ohm cable, and, regardless of its length, it is a line terminated
> >in its characteristic impedance.
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> >We then join these two phasing lines in a garden variety 50 ohm
> >T-connector. The outlet of the T is connected to a 50 0hm coax to the
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> >of arrays that are phased at some other angle. Is there any reason
> >for /this/ array, fed in phase, to have phasing cables that are exact
> >multiples of 1/2 lambda? It seems more like witchcraft than science.
> >Sure, if they are not in phase, then I might understand a load balancing
> >problem. It would seem that to feed in phase, all that need be satisfied
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> >73 from Dave, AB3NR
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>
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> --
> Dave
> Manuals@...
> www.ArtekManuals.com
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31766. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 13:31:29 UTC
From: Artek Manuals
Topic: 31763 Message: 31766

True enough in the case of collinear dipoles. Even then, spacing between the ends of the two collinear dipoles does change the impedance by about 25%...free space collinear dipoles with very close end spacing are more like 90 -100 ohms versus the theoretical 72 ohms., so two dipoles with minimal end spacing would be more like 90 ohms would then present 45 ohms at the output of the T so that would make sense to use a 1/2 wave in that application

Dave
NR1DX

On 3/15/2014 8:16 AM, Original Woodchuck wrote:
>
> On Sat, Mar 15, 2014 at 07:44:44AM -0500, Artek Manuals wrote:
> > For starters even though the dipoles by themselves are 50 ohms
> > ...once they are fed in phase (or out of phase as the case may be)
> > The impedance of the two dipoles changes because of the coupling
> > between the two dipoles. There are all kinds of graphs and equations
> > for predicting this.
>
> None of which, I believe, apply for collinear dipoles. The case is
> "in phase". We want equal power in each dipole. We want symmetric
> patterns, etc etc.
>
> > 1/2 wave line is often used because in the case of a mismatch the
> > measured impedance as seen at the end of the line (assuming
> > loss-less coax) is exactly the same as the input impedance
> > regardless of the mismatch. Other lengths will produce an output
>
> Yes. We all know this. I hope. It is good to put it on the table,
> though.
>
> > impedance that is different than the input (read the section in
> > the ARRL Antenna book on matching stubs to get some insight)
>
> Oh, I'm well aware of the feedline equation. My awareness tells me that
> the two phaselines have the same input Z (at the T), and the symmetry
> of the problem tells me that the two dipoles are indistinguishable.
> The feedline equation then informs me that the equations for each
> phaseline are the same, i.e. work the same transformation on each
> element.
>
> > Dave
> > NR1DX
>

> Thanks!
>
> How much do two antennas that are collinear couple? My instinct says
> "not so much." At least in free space, a dipole has a null there.
> (But I would argue that it doesn't matter if the dipoles were parallel,
> provided symmetry was maintained.) So suppose they *do* couple. There is
> symmetry in this problem, and it says that what A does to B, B does to A.
>
> By "doesn't matter" I mean that dipoles A and B dissipate equal power,
> given equal phaseline lengths. So I guess the issue is, is that power
> the same if that equal length is not 1/2 lambda? Even if everything is
> uncoupled, the antenna array is not matched to its feedline, the array
> presenting 25 ohms (at the outlet of the T).
>
> How does coupling make A and B *different*? If they're not different,
> then how can one end up with a current different from the other? How can
> impedances that are not matched -- but are the same mismatch for each
> antenna -- result in any difference at all between A and B?
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> Symmetry means that if we write a complete description of this array,
> with a subscript A for one element and B for the other, then we can
> interchange subscripts everywhere and the equations stay the same.
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> You see my problem?
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> case, and I believe this particular author to possibly be wrong.
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> >
> > On 3/15/2014 7:31 AM, Original Woodchuck wrote:
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> > >HI,
> > >
> > >A question or three...
> > >
> > >The hypothesis: imagine a collinear array of two horizonatal
> > >dipoles. They have been trimmed and elevated so that they have (each)
> > >a feed point impedance of (surprise!) 50 ohms. Now we arrange to feed
> > >them, deciding that they should be fed in phase.
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> > >To do this, we connect 1/2 wavelength of 50 ohm coax to each mid-dipole
> > >feedpoint. Each of these 1/2 lambda phasing cables has, at its end,
> > >an impedance of 50 ohms. Why? Because the dipole has a Z of 50, and it
> > >is 50 ohm cable, and, regardless of its length, it is a line terminated
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> > >transceiver, "of any length."
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> > >25 Ohms, true? There are two 50 ohm loads in parallel, hence 25 Ohms.
> > >(This is a sanity check).
> > >
> > >Question 2: Why not place a 1:2 transformer at the outlet of the T, or
> > >some other way of flattening the feedling from the T to the
> transceiver?
> > >Why induce a vswr of 2 you can avoid?
> > >
> > >Question 3: The author (this is from the ARRL Antenna Compendium Vol
> > >7) is adamant that these phasing cables be 1/2 wavelength long. Why?
> > >It seems to me that the phase angle between array elements will be
> 0 for
> > >any length provided that each cable has the same length. Other authors
> > >also get picky about this 1/2 lambda length, but they are talking
> > >of arrays that are phased at some other angle. Is there any reason
> > >for /this/ array, fed in phase, to have phasing cables that are exact
> > >multiples of 1/2 lambda? It seems more like witchcraft than science.
> > >Sure, if they are not in phase, then I might understand a load
> balancing
> > >problem. It would seem that to feed in phase, all that need be
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> > >
> > >
> >
> >
> > --
> > Dave
> > Manuals@...
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> >
> >
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>
>

--
Dave
Manuals@...

www.ArtekManuals.com

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http://www.avast.com

31767. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 13:54:10 UTC
From: Original Woodchuck
Topic: 31763 Message: 31767

On Sat, Mar 15, 2014 at 08:31:29AM -0500, Artek Manuals wrote:
> True enough in the case of collinear dipoles. Even then, spacing
> between the ends of the two collinear dipoles does change the
> impedance by about 25%...free space collinear dipoles with very
> close end spacing are more like 90 -100 ohms versus the theoretical
> 72 ohms., so two dipoles with minimal end spacing would be more like
> 90 ohms would then present 45 ohms at the output of the T so that
> would make sense to use a 1/2 wave in that application
>
> Dave
> NR1DX

I'm sorry to seem like a pest, but *why* does it make sense?
It can't change the phase angle. It would improve the match
at the T output, I agree. Is it all about power?

Trying to run NEC2 on this...very illuminating. Hmmmmm.

Thanks for your help, Dave!

Dave AB3NR

31768. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 14:08:50 UTC
From: Artek Manuals
Topic: 31763 Message: 31768

Yes it is about power and match to the feed line....Your could feed it
all with open wire line as was done originally back in the tube days.

Dave

.On 3/15/2014 8:54 AM, Original Woodchuck wrote:
>
> On Sat, Mar 15, 2014 at 08:31:29AM -0500, Artek Manuals wrote:
> > True enough in the case of collinear dipoles. Even then, spacing
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>
> Thanks for your help, Dave!
>
> Dave AB3NR
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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31769. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 14:08:59 UTC
From: Brian Carling
Topic: 31763 Message: 31769

Or just use a longer dipole and one feed line :)

Best regards - Bry Carling

> On Mar 15, 2014, at 9:31 AM, Artek Manuals <nr1dx@...> wrote:
>
> True enough in the case of collinear dipoles. Even then, spacing between the ends of the two collinear dipoles does change the impedance by about 25%...free space collinear dipoles with very close end spacing are more like 90 -100 ohms versus the theoretical 72 ohms., so two dipoles with minimal end spacing would be more like 90 ohms would then present 45 ohms at the output of the T so that would make sense to use a 1/2 wave in that application
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> Dave
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>> On 3/15/2014 8:16 AM, Original Woodchuck wrote:
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>> On Sat, Mar 15, 2014 at 07:44:44AM -0500, Artek Manuals wrote:
>> > For starters even though the dipoles by themselves are 50 ohms
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>> > The impedance of the two dipoles changes because of the coupling
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>> Oh, I'm well aware of the feedline equation. My awareness tells me that
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>> > Dave
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>>
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>> > >Sure, if they are not in phase, then I might understand a load balancing
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31770. AW: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 17:31:54 UTC
From: siegfried jackstien
Topic: 31763 Message: 31770

What about usingt 3/4 wave of 75 ohms line to the t

Halfwave of 75 ohms does nothing to the impedance so the only thing that
does anything with the impedance is the left 1/4 wave of 75 ohms ... that
transforms the impedance of your dipoles to about 100 ohms at the t ..
parallel this and you have 50 ohms and can connect any length to the shack

(just as an idea how to avoid transformer)

That overall calculations does not include mutual coupling between the
dipoles (and so impedance changes of them)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Original Woodchuck
> Gesendet: Samstag, 15. März 2014 13:54
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Feeding a collinear array
>
>
>
> On Sat, Mar 15, 2014 at 08:31:29AM -0500, Artek Manuals wrote:
> > True enough in the case of collinear dipoles. Even then, spacing
> > between the ends of the two collinear dipoles does change the
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> > would make sense to use a 1/2 wave in that application
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> > Dave
> > NR1DX
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> I'm sorry to seem like a pest, but *why* does it make sense?
> It can't change the phase angle. It would improve the match
> at the T output, I agree. Is it all about power?
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> Trying to run NEC2 on this...very illuminating. Hmmmmm.
>
> Thanks for your help, Dave!
>
> Dave AB3NR

>
>
>

31771. Re: AW: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 17:38:35 UTC
From: Joe
Topic: 31763 Message: 31771
Attachments: 1 described; binary payloads are missing from this source WARC

thats all I did with my eme array odd multiples of 75 ohm cables long
enough to reach as needed then "TEED" together. works great!

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/15/2014 12:31 PM, siegfried jackstien wrote:
> What about usingt 3/4 wave of 75 ohms line to the t
>
> Halfwave of 75 ohms does nothing to the impedance so the only thing that
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> parallel this and you have 50 ohms and can connect any length to the shack
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> That overall calculations does not include mutual coupling between the
> dipoles (and so impedance changes of them)
>
> Dg9bfc
>
> Sigi
>
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Original Woodchuck
>> Gesendet: Samstag, 15. M?rz 2014 13:54
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Feeding a collinear array
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>>> close end spacing are more like 90 -100 ohms versus the theoretical
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>> Trying to run NEC2 on this...very illuminating. Hmmmmm.
>>
>> Thanks for your help, Dave!
>>
>> Dave AB3NR
>>
>>
>>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
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>
>
>
>

31772. Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 20:45:41 UTC
From: <sawman02@...>
Topic: 31772 Message: 31772

Wanted 2/440 mobile antenna with mag mount or 2/440 J pole.

E mail to WO2W @ arrl.net

31773. Re: [ham-antennas] 6m high power Antenna Tuner? MFJ-989 mod?

Yahoo group: ham-antennas (2014)
Date: 2014-03-15 22:04:26 UTC
From: David Propper
Topic: 31705 Message: 31773

Glenn,

Let's first ask why you would be using a tuner on 6 mtrs ?? Can you put up a resonant antenna for 6 mtrs ? If you are not using a resonant antenna, what type of feed line are you utilizing with the tuner ? Very few tuners are rated through 6 mtrs as they are rarely used up at the frequency.

Look forward to hearing from you.

73,
Dave, K2DP
St. Louis, MO
On Mar 11, 2014, at 6:07 PM, gfarough@... wrote:

> Hi group,
> I am using the MFJ-969 antenna tuner 160m-6m
> Works well 6m to 300w
> I have a higher power application for 6m...
> Has anyone tried the MFJ-989 on 6m? It looks like the MJF-969...
> Wondering if maybe a mod for the MFJ.989 for 6m?
> Or know of high power 160m-6m tuners?
> de Glen
> VA7CV Comox, BC
>
>

31774. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-16 02:37:09 UTC
From: Original Woodchuck
Topic: 31763 Message: 31774

On Sat, Mar 15, 2014 at 05:31:54PM -0000, siegfried jackstien wrote:
> What about usingt 3/4 wave of 75 ohms line to the t
>
> Halfwave of 75 ohms does nothing to the impedance so the only thing that
> does anything with the impedance is the left 1/4 wave of 75 ohms ... that
> transforms the impedance of your dipoles to about 100 ohms at the t ..
> parallel this and you have 50 ohms and can connect any length to the shack
>
> (just as an idea how to avoid transformer)

Yes.

> That overall calculations does not include mutual coupling between the
> dipoles (and so impedance changes of them)

Yes, the dipoles would be best matched by careful simulation confirmed
by measurement at installation.

>
> Dg9bfc
>
> Sigi

Thanks, this is a fertile idea, a good approach.

73

Dave, AB3NR

31775. Re: 6m high power Antenna Tuner? MFJ-989 mod?

Yahoo group: ham-antennas (2014)
Date: 2014-03-16 16:05:30 UTC
From: mikerodgerske5gbc@...
Topic: 31705 Message: 31775

You could check Palstar. The rating on 6 is probably considerably less.

I'm not a serious 6m guy but use my 80m loop and Palstar AT2K on 6.
For me 6 is not worth additional investment.

73
Mike R

RIP- Mr 500. STP's Andy Granatelli from racing fans everywhere.

31776. RE: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-17 16:28:04 UTC
From: Scott Myers
Topic: 31763 Message: 31776

Dave,

Just curious what you are trying to accomplish. More gain with a single rope to hang both dipoles? Heading down the curtain array path?

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Original Woodchuck
Sent: Saturday, March 15, 2014 10:37 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Feeding a collinear array

On Sat, Mar 15, 2014 at 05:31:54PM -0000, siegfried jackstien wrote:
> What about usingt 3/4 wave of 75 ohms line to the t
>
> Halfwave of 75 ohms does nothing to the impedance so the only thing that
> does anything with the impedance is the left 1/4 wave of 75 ohms ... that
> transforms the impedance of your dipoles to about 100 ohms at the t ..
> parallel this and you have 50 ohms and can connect any length to the shack
>
> (just as an idea how to avoid transformer)

Yes.

> That overall calculations does not include mutual coupling between the
> dipoles (and so impedance changes of them)

Yes, the dipoles would be best matched by careful simulation confirmed by measurement at installation.

>
> Dg9bfc
>
> Sigi

Thanks, this is a fertile idea, a good approach.

73

Dave, AB3NR

31777. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-17 20:34:28 UTC
From: David Cole
Topic: 31763 Message: 31777

Bobtail curtain array! Wonderful antenna!
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Mon, 2014-03-17 at 12:28 -0400, Scott Myers wrote:
>
>
> Dave,
>
>
>
> Just curious what you are trying to accomplish. More gain with a
> single rope to hang both dipoles? Heading down the curtain array
> path?
>
>
>
> Scott AC8DE
>
>
>
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] On Behalf Of Original Woodchuck
> Sent: Saturday, March 15, 2014 10:37 PM
> To: ham-antennas@yahoogroups.com
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>
>
>
>
>
>
> On Sat, Mar 15, 2014 at 05:31:54PM -0000, siegfried jackstien wrote:
> > What about usingt 3/4 wave of 75 ohms line to the t
> >
> > Halfwave of 75 ohms does nothing to the impedance so the only thing
> that

> > does anything with the impedance is the left 1/4 wave of 75 ohms ...
> that
> > transforms the impedance of your dipoles to about 100 ohms at the
> t ..
> > parallel this and you have 50 ohms and can connect any length to the
> shack
> >
> > (just as an idea how to avoid transformer)
>
> Yes.
>
> > That overall calculations does not include mutual coupling between
> the
> > dipoles (and so impedance changes of them)
>
> Yes, the dipoles would be best matched by careful simulation confirmed
> by measurement at installation.
>
> >
> > Dg9bfc
> >
> > Sigi
>
> Thanks, this is a fertile idea, a good approach.
>
> 73
>
> Dave, AB3NR
>
>
>
>
>
>

31778. Re: [ham-antennas] Feeding a collinear array

Yahoo group: ham-antennas (2014)
Date: 2014-03-18 01:21:12 UTC
From: Original Woodchuck
Topic: 31763 Message: 31778

On Mon, Mar 17, 2014 at 12:28:04PM -0400, Scott Myers wrote:
> Dave,
>
>
>
> Just curious what you are trying to accomplish. More gain with a single
> rope to hang both dipoles? Heading down the curtain array path?
>
>
>
> Scott AC8DE

This time it's just a exercise in understanding.

Dave

31779. Keith D. Brady

Yahoo group: ham-antennas (2014)
Date: 2014-03-18 10:53:40 UTC
From: Keith D. Brady
Topic: 31779 Message: 31779

http://anafot.org/mpgu/fox_newsx.php
Keith D. Brady

31780. Re: Keith D. Brady

Yahoo group: ham-antennas (2014)
Date: 2014-03-19 03:01:14 UTC
From: <soona4sail@...>
Topic: 31779 Message: 31780

This is a Phishing site!!!!!

31781. Does Anyone Make a Magnetic Compass Sensor Add-on

Yahoo group: ham-antennas (2014)
Date: 2014-03-19 03:08:09 UTC
From: <jsternmd@...>
Topic: 31781 Message: 31781

I have a homemade rotor for my mast and antenna. I plan to rotate the entire mast plus antenna from the base of the mast support structure. I can can control turn direction for full CW or CCW 360 degrees but I want to add a compass direction sensor. I have seen inexpensive magnetic field I2C sensors but instead of re-inventing the wheel - does anyone manufacture an add-on type of device that I could use to give me compass direction?

73 Jerry
K1JOS

31782. Re: [ham-antennas] Does Anyone Make a Magnetic Compass Sensor Add-on

Yahoo group: ham-antennas (2014)
Date: 2014-03-19 03:49:13 UTC
From: Geoff NW7GM
Topic: 31781 Message: 31782

Not sure if you know about the radioartisan yahoo group, but that would be a great place to start. Anthony, K3NG has an Arduino-based rotator (among other) project. Lots of recent additions to the project (ethernet master/slave setup as an example).

Check it out.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 18, 2014 8:08 PM, <jsternmd@...> wrote:

>
>
> I have a homemade rotor for my mast and antenna. I plan to rotate the
> entire mast plus antenna from the base of the mast support structure. I
> can can control turn direction for full CW or CCW 360 degrees but I want to
> add a compass direction sensor. I have seen inexpensive magnetic field I2C
> sensors but instead of re-inventing the wheel - does anyone manufacture an
> add-on type of device that I could use to give me compass direction?
>
> 73 Jerry
> K1JOS
>
>

31783. Way to graph the rise in impedance of a shorted 1/4 wave stub?

Yahoo group: ham-antennas (2014)
Date: 2014-03-21 16:19:13 UTC
From: Ray, W4BYG
Topic: 31783 Message: 31783

I wonder if anyone knows of, or how to, graph the impedance rise along a shorted 1/4 wave coaxial stub given the short ("0" Z) at the shorted end and the expected load impedance at the open end?

I have looked thru many references including League handbooks, Compendiums, Jasik and Kraus and others, as well as online and haven't found anything that seems applicable or helpful.

Any assistance would be appreciated.
73,

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

31784. Re: [ham-antennas] Way to graph the rise in impedance of a shorted 1/4 wave stub?

Yahoo group: ham-antennas (2014)
Date: 2014-03-21 16:18:29 UTC
From: Kenneth G. Gordon
Topic: 31783 Message: 31784

On 21 Mar 2014 at 12:19, Ray, W4BYG wrote:

>
>
> I wonder if anyone knows of, or how to, graph the impedance rise along a shorted
> 1/4 wave coaxial stub given the short ("0" Z) at the shorted end and the
> expected load impedance at the open end? I have looked thru many references
> including League handbooks, Compendiums, Jasik and Kraus and others, as well as
> online and haven't found anything that seems applicable or helpful. Any
> assistance would be appreciated. 73, Ray, W4BYG

Lecher wires.

Ken W7EKB

31785. Re: [ham-antennas] Way to graph the rise in impedance of a shorted 1/4 wave stub?

Yahoo group: ham-antennas (2014)
Date: 2014-03-21 16:52:03 UTC
From: Original Woodchuck
Topic: 31783 Message: 31785

On Fri, Mar 21, 2014 at 12:19:13PM -0400, Ray, W4BYG wrote:
> I wonder if anyone knows of, or how to, graph the impedance rise along a
> shorted 1/4 wave coaxial stub given the short ("0" Z) at the shorted end and
> the expected load impedance at the open end?
>
> I have looked thru many references including League handbooks, Compendiums,
> Jasik and Kraus and others, as well as online and haven't found anything
> that seems applicable or helpful.
>
> Any assistance would be appreciated.
> 73,
>
> Ray, W4BYG
>
> "The Republic can survive a fool for a president... It is less likely to
> survive a multitude of fools, such as those who made him their president."

Sounds like the telegrapher's equation.

```
* Zin = Z0 * (ZL + Z0 * tanh(gamma * l) / (Z0 + ZL * tanh(gamma * l)));
*
* where Zin = input impedance of line, ohms
* Z0 = characteristic impedance of line, ohms
* ZL = load impedance, ohms
* l = length of line, units consistent with gamma
* gamma = propagation constant = alpha + j*beta,
* where alpha = attenuation constant, Np/length
* beta = phase constant, radians/length
* beta is in fact the wave number, 2pi/lambda.
```

Looking at that, it may be that you have overdetermined the problem.
IOW, you have specified Zin (0), ZL, Z0 and l. (Note that the Z's
are complex, and tanh is the complex-valued function of a complex
argument.

That is exhausting this poor chemist's understanding of the problem.

Dave AB3NR

31786. Re: [ham-antennas] Way to graph the rise in impedance of a shorted 1/4 wave stub?

Yahoo group: ham-antennas (2014)
Date: 2014-03-21 21:58:25 UTC
From: Andy
Topic: 31783 Message: 31786

The simple graphical way would be to use a Smith Chart.

But most people seem to shy away from Smith Charts. However, it tells you what you are looking for. If you want to go from there to a plot vs. frequency, you would need to read the values off the Smith Chart and plug them into a rectangular plot.

One could also use, say, LTspice (free) and simulate a shorted or open transmission line, and plot the impedance.

Andy

31787. Re: [ham-antennas] Way to graph the rise in impedance of a shorted 1/4 wave stub?

Yahoo group: ham-antennas (2014)
Date: 2014-03-22 19:41:20 UTC
From: Bryan Swadener
Topic: 31783 Message: 31787

Ray,

From your posting, I presume you already have the data,
and need only present it in graphical form. Microsoft Excel
can do that.

vy 73,
Bryan WA7PRC

Posted by: Ray, W4BYG
Date: Fri Mar 21, 2014

I wonder if anyone knows of, or how to, graph the impedance
rise along a
shorted 1/4 wave coaxial stub given the short ("0" Z) at the
shorted end and
the expected load impedance at the open end?

I have looked thru many references including League
handbooks, Compendiums,
Jasik and Kraus and others, as well as online and haven't
found anything
that seems applicable or helpful.

Any assistance would be appreciated.
73,

Ray, W4BYG

31788. Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 12:48:15 UTC
From: <jsternmd@...>
Topic: 31788 Message: 31788

Though licensed for many years I have always relied on wires and never been up close to a rotor or rotor controller. Finally installing a mast, rotor and hexbeam. I assume all rotors have some mechanical setpoint for a hard stop otherwise I can see lots of twisted coax wrapping around the mast if the rotor can do more than 360 degree rotations in one direction. Are all rotors set for 360 degrees or is there some overlap so you can go a bit more either fully CW or CCW? If they can only rotate a full 360 then am I correct that the setpoint should be placed on a heading about 90 degrees off from the headings most likely to be used a lot? For example, I live in CT and if I install the rotor with the hard setpoint due West, if I want to go from NW to SW I would need to turn the rotor 270 degrees not 90 degrees. So if due West was my expected most frequent heading I should probably install the rotor with the setpoint either due South or due North? I guess I am overthinking this but would appreciate some basic advice.

73 Jerry
K1JOS

31789. Re: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 12:56:44 UTC
From: Artek Manuals
Topic: 31788 Message: 31789

1) Most all commercial rotators are set for 360 with "limit switches" inside the rotor head
2) Most rotators have compass style set dials (N, S, E W or degrees 0-360, or both) and are North (or 0deg) Centered

Dave
NR1DX

On 3/23/2014 7:48 AM, jsternmd@... wrote:
>
> Though licensed for many years I have always relied on wires and never
> been up close to a rotor or rotor controller. Finally installing a
> mast, rotor and hexbeam. I assume all rotors have some mechanical
> setpoint for a hard stop otherwise I can see lots of twisted coax
> wrapping around the mast if the rotor can do more than 360 degree
> rotations in one direction. Are all rotors set for 360 degrees or is
> there some overlap so you can go a bit more either fully CW or
> CCW? If they can only rotate a full 360 then am I correct that the
> setpoint should be placed on a heading about 90 degrees off from the
> headings most likely to be used a lot? For example, I live in CT and
> if I install the rotor with the hard setpoint due West, if I want to
> go from NW to SW I would need to turn the rotor 270 degrees not 90
> degrees. So if due West was my expected most frequent heading I
> should probably install the rotor with the setpoint either due South
> or due North? I guess I am overthinking this but would appreciate
> some basic advice.
>
> 73 Jerry
>
> K1JOS
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31790. Re: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 13:03:18 UTC
From: Joe
Topic: 31788 Message: 31790
Attachments: 1 described; binary payloads are missing from this source WARC

My personal preference, been using a rotor since the early 70's is to have the "Dead Stop" due north.

Being here in Illinois and Wisconsin, the daily propagation would be similar to yours. Yes there is propagation directly to the north. But as a percentage of time,, not a whole lot where it would be flipping back and forth between say 20 degrees and 340 degrees. It is going to be either east of north or west of north. but rarely both for hours.

At sun up the bands are open towards the east like Europe and such so you start off at 45 degrees or so.

As the day progresses along the propagation sweeps clockwise around the globe. Next into Africa, then South America and finally late afternoon / evening into the Pacific and Japan areas.

Here is a Nice Video I made a while ago showing how the propagation moves like this during a day. A screen grab was made every ten minutes then a video was made showing each ten minute step separated by 1 second, it neatly shows this "Rotation"

http://youtu.be/7j2TuSLCtgU

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 3/23/2014 7:48 AM, jsternmd@... wrote:
>
>
> Though licensed for many years I have always relied on wires and never
> been up close to a rotor or rotor controller. Finally installing a
> mast, rotor and hexbeam. I assume all rotors have some mechanical
> setpoint for a hard stop otherwise I can see lots of twisted coax
> wrapping around the mast if the rotor can do more than 360 degree
> rotations in one direction. Are all rotors set for 360 degrees or is
> there some overlap so you can go a bit more either fully CW or
> CCW? If they can only rotate a full 360 then am I correct that the
> setpoint should be placed on a heading about 90 degrees off from the
> headings most likely to be used a lot? For example, I live in CT and
> if I install the rotor with the hard setpoint due West, if I want to
> go from NW to SW I would need to turn the rotor 270 degrees not 90
> degrees. So if due West was my expected most frequent heading I

> should probably install the rotor with the setpoint either due South
> or due North? I guess I am overthinking this but would appreciate
> some basic advice.
>
> 73 Jerry
>
> K1JOS
>
>
>
>

31791. Re: Forced into a bad antenna situation

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 13:34:03 UTC
From: <jerrybosak@...>
Topic: 31515 Message: 31791

Are you asking for advice or consolations?
I don't know where you live, that would help.
But I doubt if Japan is line of sight, so actual elevation loss is of no concern.
At times a secluded place is actually better from the standpoint of ambient noise levels from man made noise.
Short dipole antenna's and Hustler 5 BVT isn't going to replace a beam antenna in performance.
A flower has to bloom where it is planted.
Why did you move if your antenna's could not go with you - dumb!

My first thought was that you would benefit from the use of a HY Power - offcenter fed dipole - such as the 10 - 80 meter model - if your landlord allows and you have the room.
http://www.hypowerantenna.com/products/off-center-fed-antenna
http://www.hypowerantenna.com/products/off-center-fed-antenna

31792. Re: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 16:34:57 UTC
From: <kb8nty@...>
Topic: 31788 Message: 31792

Joe,
Good video and interesting!...Thanks for posting.

-73- Ross KB8NTY

http://www.rossradio.net http://www.rossradio.net
All about ground radials
https://groups.yahoo.com/neo/groups/groundradial/info
https://groups.yahoo.com/neo/groups/groundradial/info

31793. AW: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 17:36:57 UTC
From: siegfried jackstien
Topic: 31788 Message: 31793

Most rotators are set to north ... but some can be converted to dead-point at south ... (mostly sold in vk, zl ... south africa hi hi)

Some better rotors have a small overlap at that dead spot ... 450 degrees ... so you have 45 degrees in both directions as overlap

Remember your hexbeam is not the same as you would have a 20 over 20 el on 2m (or a bigger eme array) ...

So ... even without that overlap you should be fine

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jsternmd@...
> Gesendet: Sonntag, 23. März 2014 12:48
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics
>
>
>
> Though licensed for many years I have always relied on wires and never
> been up close to a rotor or rotor controller. Finally installing a mast,
> rotor and hexbeam. I assume all rotors have some mechanical setpoint for
> a hard stop otherwise I can see lots of twisted coax wrapping around the
> mast if the rotor can do more than 360 degree rotations in one direction.
> Are all rotors set for 360 degrees or is there some overlap so you can go
> a bit more either fully CW or CCW? If they can only rotate a full 360
> then am I correct that the setpoint should be placed on a heading about 90
> degrees off from the headings most likely to be used a lot? For example,
> I live in CT and if I install the rotor with the hard setpoint due West,
> if I want to go from NW to SW I would need to turn the rotor 270 degrees
> not 90 degrees. So if due West was my expected most frequent heading I
> should probably install the rotor with the setpoint either due South or
> due North? I guess I am overthinking this but would appreciate some
> basic advice.
>
>
>
> 73 Jerry
>
> K1JOS
>

>

31794. Re: AW: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 17:44:58 UTC
From: <jsternmd@...>
Topic: 31788 Message: 31794

thank you Sigi and all, now I dont feel as dumb hihi

73 Jerry
K1JOS

31795. Re: Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 19:27:52 UTC
From: <wa4mit@...>
Topic: 31788 Message: 31795

Hello Before you install your rotor you should hook it up and check out its operation to make sure it works and works properly that is it fully rotates and smoothly indicates the rotor direction. It is a lot of trouble to install something like this then find out it only partially works. If this is a old rotor that has not been used in a good while or used and not serviced you might even consider taking it apart and greasing and checking for wear but you would want to have the machanical ability to do this. There are several write ups with pictures on the web about how to this for most rotor models.
I would recommend you set the rotor at mid point which should be north unless you have a rotor as mentioned that is set on south as mid point. Then when you install it and your beam set it pointing due north and you will have 180 degree rotation in each direction. Besure and tighten the mounting hardware good to prevent rotating in the wind.
I hope that helps some and wish you luck with your antenna you will find that a directional beam like that makes a world of difference in what you can hear and work. I know it did for me when I put my first beam up many years ago.
73 Morris WA4MIT

31796. M2 6M7JHV broken feed idea

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 19:55:47 UTC
From: Keith Heimbold
Topic: 31796 Message: 31796

All -

I am on a DXpedition to the inlaws in San Antonio and my feed point T match is broken on my 6M7JHV.

Anyone have any ideas of an alternative feed I can do with this antenna that would make the antenna work. I have a 1:1 unun and some extra coax and was thinking of direct feeding it somehow. Maybe insulating the elements from the boom and seeing what happens. Not sure what to do. Desperate in Castroville.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

31797. Re: [ham-antennas] Re: Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 20:39:02 UTC
From: Chuck Schultz
Topic: 31788 Message: 31797

I am amazed that the Yaesu rotor has not much more than an honorable mention in this thread, It was mentioned that some rotors turn 450 degrees or have an overlap of 90degrees. Actually the Yaesu rotors do that , they are also capable of having the field reversed . I suppose this just shows to what extent HyGain had dominated the market for years, Chuck Wq5B

On 3/23/2014 2:27 PM, wa4mit@... wrote:

>
> Hello
>
> Before you install your rotor you should hook it up and check out its
> operation to make sure it works and works properly that is it fully
> rotates and smoothly indicates the rotor direction. It is a lot of
> trouble to install something like this then find out it only partially
> works. If this is a old rotor that has not been used in a good while
> or used and not serviced you might even consider taking it apart and
> greasing and checking for wear but you would want to have the
> machanical ability to do this. There are several write ups with
> pictures on the web about how to this for most rotor models.
> I would recommend you set the rotor at mid point which should be north
> unless you have a rotor as mentioned that is set on south as mid
> point. Then when you install it and your beam set it pointing due
> north and you will have 180 degree rotation in each direction. Besure
> and tighten the mounting hardware good to prevent rotating in the wind.
> I hope that helps some and wish you luck with your antenna you will
> find that a directional beam like that makes a world of difference in
> what you can hear and work. I know it did for me when I put my first
> beam up many years ago.
> 73 Morris WA4MIT
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31798. Re: [ham-antennas] M2 6M7JHV broken feed idea

Yahoo group: ham-antennas (2014)
Date: 2014-03-23 20:40:17 UTC
From: Keith Heimbold
Topic: 31796 Message: 31798

I also have a 4:1 balun I could use from an OCF dipole. Not much else here.

Bummed in San Antonio and there is a major 6m opening to VP8 going on right now. Super bummed.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Mar 23, 2014, at 2:55 PM, "Keith Heimbold" <ag6az@hotmail.com> wrote:
>
> All -
>
> I am on a DXpedition to the inlaws in San Antonio and my feed point T match is broken on my 6M7JHV.
>
> Anyone have any ideas of an alternative feed I can do with this antenna that would make the antenna work. I have a 1:1 unun and some extra coax and was thinking of direct feeding it somehow. Maybe insulating the elements from the boom and seeing what happens. Not sure what to do. Desperate in Castroville.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

31799. Re: Does Anyone Make a Magnetic Compass Sensor Add-on

Yahoo group: ham-antennas (2014)
Date: 2014-03-24 01:07:54 UTC
From: <svsunbow@...>
Topic: 31781 Message: 31799

marine electronics shop sells em - Raymarine, Furuno, etc. all make them - however, most are not the normal NMEA standard output, but a separate digi compass output that needs to be converted to NMEA, but there are lots of boxes for that as well
John
KJ4IFO

31800. Re: M2 6M7JHV broken feed idea

Yahoo group: ham-antennas (2014)
Date: 2014-03-24 12:40:40 UTC
From: Dave Rickmers
Topic: 31796 Message: 31800

Do you have a VSWR meter? Or a DIP meter? A t-match isn't that complicated. Use math to approximate shunt position, meter to fine tune. There is probably a compromise that works acceptably on all 3 bands. Worst case, change it to a Delta match and work it unbalanced. Just a few WAGS, 73 de dave/kd6il

31801. Re: Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-24 12:51:55 UTC
From: <wa4mit@...>
Topic: 31788 Message: 31801

Here is another good point from Ron KA4INM - sent me this email says he can not post to group for some reason but hopes to get that working soon. Don't forget to tell then to make the final test on the ground with
all of the rotor control cable that will be used before hoisting the
rotor. Sometimes it is tested with a short cable and connected with 150
or 200 feet of too thin of wire to operate the motor.

We are all pulling for you Jerry 73 good luck.
WA4MIT

31802. Re: [ham-antennas] Re: M2 6M7JHV broken feed idea

Yahoo group: ham-antennas (2014)
Date: 2014-03-24 13:09:08 UTC
From: Keith Heimbold
Topic: 31796 Message: 31802

I have a MFJ 259B with me. I will check out the delta match. Thanks for the suggestion.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Mar 24, 2014, at 7:40 AM, "Dave Rickmers" <daverickmers@yahoo.com> wrote:
>
> Do you have a VSWR meter? Or a DIP meter? A t-match isn't that
> complicated. Use math to approximate shunt position, meter to fine tune.
> There is probably a compromise that works acceptably on all 3 bands.
> Worst case, change it to a Delta match and work it unbalanced. Just a
> few WAGS, 73 de dave/kd6il
>

31803. Re: [ham-antennas] 6m high power Antenna Tuner? MFJ-989 mod?

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 01:54:26 UTC
From: Alex Netherton
Topic: 31705 Message: 31803

I have an LDG AT-100ProII tuner that indeed does go to 6. It tunes my 102 foot center fed balanced wire antenna to less than 1.5 to 1! Of course my 6 meter j-pole works better into the local repeater, and no need for a tuner...
Alex, KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sat, Mar 15, 2014 at 6:04 PM, David Propper <k2dp@...> wrote:

>
>
> Glenn,
>
> Let's first ask why you would be using a tuner on 6 mtrs ?? Can you put
> up a resonant antenna for 6 mtrs ? If you are not using a resonant
> antenna, what type of feed line are you utilizing with the tuner ? Very few
> tuners are rated through 6 mtrs as they are rarely used up at the frequency.
>
> Look forward to hearing from you.
>
> 73,
> Dave, K2DP
> St. Louis, MO
> On Mar 11, 2014, at 6:07 PM, gfarough@... wrote:
>
>
>
> Hi group,
> I am using the MFJ-969 antenna tuner 160m-6m
> Works well 6m to 300w
> I have a higher power application for 6m...
> Has anyone tried the MFJ-989 on 6m? It looks like the MJF-969...
> Wondering if maybe a mod for the MFJ.989 for 6m?
> Or know of high power 160m-6m tuners?
> de Glen
> VA7CV Comox, BC
>
>
>
>

31804. RE: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 19:50:00 UTC
From: Scott Myers
Topic: 31788 Message: 31804

Jerry,

There is no way you can over-think a rotator choice. Give it plenty of thought and discussion with others. The questions you asked just started scratching the surface.

Rotators fall into numerous categories and sub-categories. You have to choose braked or non-braked. Drives types are spur/ring-gear, worm gear and planetary. Then there is construction type; clam-shell bearing VS shaft bearing. And finally the drive motor type; AC or DC motor. (There may be other things, but those are the things I can think of off the top of my head.) Not all rotators have "end of rotation" limit switches, but most do. Oddly, some of the more heavy duty rotators do not have limit switches, but rely on the controller software to know when a rotation error occurs, which works well too. The best controllers have software that "watches" things to keep the potential for cable wrap at a minimum. But no rotator is completely immune to the dreaded cable wrap potential, but some are better than others and a really good controller greatly minimizes the potential.

The lighter duty types are the clam shell/spur gear types are the cheapest and the most ubiquitous. The upper housing rotates with this type design and the mast clamp is part of the housing. Think Hy-Gain "HAM" type rotators. I think the Tailtwister was the largest of this type. These all use wedge brakes. A smaller clam-shell is the largest you would need with a Hexbeam. If this type has a "Weakness" it is the wedge brake which can require rocking to release when it gets under heavy torque from wind. Maybe this won't happen with a Hexbeam due to equal wind loading nature of a Hexbeam, but I don't know.

Planetary drives fall into the medium-heavy and heavy duty range. The medium heavy starts at the some of the Yaesu models with the "Prop Pitch" being the king of the hill in the heavy duty (and price) department. Planetary boxes come in both shaft and clamshell designs.

Worm gear are also in the medium-heavy and heavy duty designs, with Prosistel and Orion coming to mind, although there quite a few more. These are usually shaft bearing design rotators, but a few are clamshell.

Worm gear and planetary types typically do not use brakes as their natural high gear down ratio effectively locks them in place. They will turn easily even when under heavy wind torque from an unbalanced wind load. There are some lower ratio types that do use brakes, so this is not a 100% rule, but is usually the case.

Lighter duty/older designs (clam-shell) tend to have the AC motors while the never designs and heavy duty units tend to have DC motors.

As far as the controllers go, if you just want (or can only afford at this time) manual control, stick with whatever comes with the rotator. If you want computer interface, added functionality and additional safety from cable wrap, it would be my suggestion to move up to a Green Heron controller as they will support ANY rotator that I know of through jumper changes inside the controller. (Except the Prop pitch, which requires a special Green Heron, which is WAY WAY beyond your needs.) And of course, the Green Heron will watch for

problems in the feedback to keep cable wrap from occurring. And their phone support is top notch as well. But they come at a healthy price. A Green Heron can be added at any time when your wallet will bear it. It's not the only choice, but it's about the best IMO.

As someone else mentioned, pay careful attention to your cable run length and voltage drop for the current required of your rotator's motor. I've seen more than one ham bitten by this unfortunate oversight.

Finally, you also have to consider whether you want to mount the antenna directly to the rotator with the rotator at the top of the tower or use a thrust bearing and a mast pipe, which is another entire conversation. I'd never advise the mount directly to the rotator and would only advise the thrust bearing myself.

That's my quick and dirty comments on rotators and controllers. There is a lot more to it than that, but it requires study to know the differences in rotators and why you would want one over the other. There is no "perfect" rotator, but the better they are, the higher the price.

Someone mentioned using a used rotator and making sure it is greased. In my opinion, if I bought a used rotator, I would not put it into service unless it was completely rebuilt before I used it; new bearings, switches, potentiometer and perhaps motor and gears. The reasons should be obvious, but everyone is entitled to their own opinion on this. Just remember that it doesn't get much worse than having to pull down a rotator from under an antenna. And it won't happen in the summer either.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of jsternmd@...
Sent: Sunday, March 23, 2014 8:48 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Though licensed for many years I have always relied on wires and never been up close to a rotor or rotor controller. Finally installing a mast, rotor and hexbeam. I assume all rotors have some mechanical setpoint for a hard stop otherwise I can see lots of twisted coax wrapping around the mast if the rotor can do more than 360 degree rotations in one direction. Are all rotors set for 360 degrees or is there some overlap so you can go a bit more either fully CW or CCW? If they can only rotate a full 360 then am I correct that the setpoint should be placed on a heading about 90 degrees off from the headings most likely to be used a lot? For example, I live in CT and if I install the rotor with the hard setpoint due West, if I want to go from NW to SW I would need to turn the rotor 270 degrees not 90 degrees. So if due West was my expected most frequent heading I should probably install the rotor with the setpoint either due South or due North? I guess I am overthinking this but would appreciate some basic advice.

73 Jerry

K1JOS

31805. RE: [ham-antennas] Dumb Newbie Question on Rotor Installation Basics

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 19:55:16 UTC
From: Billy McFarland
Topic: 31788 Message: 31805

Hi jerry,

There is a lot involved with rotators. Lots come into play such as cost, worm drive, tilt for moon bounce etc. I have a hexbeam and in use a yaesu g-400a. This does the job fine and comes with controller and plugs all you need is the cable. Around 275$ from gigaparts.

Billy

73 Billy
GM0OBX

31806. Re: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 20:16:18 UTC
From: Kenneth G. Gordon
Topic: 31788 Message: 31806

On 25 Mar 2014 at 15:50, Scott Myers wrote:

> into the medium-heavy and heavy duty range. The medium heavy starts at the
> some of the Yaesu models with the "Prop Pitch" being the king of the hill in
> the heavy duty (and price) department.

I have a completely unused and complete prop-pitch motor here.

What sorts of controllers would the group recommend for this thing?

It LOOKS like it would be capable of rotating my house.

It also looks and feels as though it would need a crane to install it: it is heavy.

Recommendations?

Ken W7EKB

31807. Re: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 20:39:46 UTC
From: Geoff NW7GM
Topic: 31788 Message: 31807

Personally I would use the K3NG Arduino-based controller. It allows boyh Yaesu and Easycom protocols and will give even Radioshack/Channelmaster rotators serial control. You can find more info on the 'radioartisan' Yahoo group.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 25, 2014 1:16 PM, "Kenneth G. Gordon" <kgordon2006@...>
wrote:

>
>
> On 25 Mar 2014 at 15:50, Scott Myers wrote:
>
> > into the medium-heavy and heavy duty range. The medium heavy starts at
> the
> > some of the Yaesu models with the "Prop Pitch" being the king of the
> hill in
> > the heavy duty (and price) department.
>
> I have a completely unused and complete prop-pitch motor here.
>
> What sorts of controllers would the group recommend for this thing?
>
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>
> It also looks and feels as though it would need a crane to install it: it
> is heavy.
>
> Recommendations?
>
> Ken W7EKB
>
>

31808. Re: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 21:44:57 UTC
From: Kenneth G. Gordon
Topic: 31788 Message: 31808

On 25 Mar 2014 at 13:39, Geoff NW7GM wrote:

> Personally I would use the K3NG Arduino-based controller. It allows boyh Yaesu
> and Easycom protocols and will give even Radioshack/Channelmaster rotators
> serial control. You can find more info on the 'radioartisan' Yahoo group.

Thanks, Geoff. I'll take a look.

Ken W7EKB

31809. Yaesu 450

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 22:18:16 UTC
From: Rodney Davis PhD.
Topic: 31788 Message: 31809

Is there a way to automate the control of a Yaesu 450 Rotor using lets say HRD or some other method or is this not possible was not sure if there was a interface available for it…….

31810. Re: [ham-antennas] Yaesu 450

Yahoo group: ham-antennas (2014)
Date: 2014-03-25 22:48:49 UTC
From: Geoff NW7GM
Topic: 31788 Message: 31810

Do a search on your preferred search engine for K3NG rotator controller
and/or join the 'radioartisan' Yahoo group.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 25, 2014 3:18 PM, "Rodney Davis PhD." <gulfcoastfishing@...>
wrote:

>
>
> Is there a way to automate the control of a Yaesu 450 Rotor using lets say
> HRD or some other method or is this not possible was not sure if there was
> a interface available for it.....
>
>

31811. RE: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-26 01:45:01 UTC
From: Scott Myers
Topic: 31788 Message: 31811

If you don't want to "roll your own", then a Green Heron RT-21pp is the way to go, but it's not cheap at $700. But then again, nothing about putting a prop pitch into service is cheap. The RT-21pp is easily interfaced to any computer or operates manually. The biggest problem with the Prop Pitch starts with the 24 VDC requirement and its near 8 amp inrush under acceleration and 5 amp nominal. This requires some large wire to minimize voltage drop. Now if you don't have a large antenna array and can live with less torque, then you can put in smaller wire, but only to a point. The longer the run, the larger the wire gauge needed. If you get far enough away from the controller (about 300'), you have to use a remote power unit to be practical, making the controller cost twice as much.

Bottom line: You have to really need a prop pitch to spend the money to put it into service.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, March 25, 2014 4:16 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions on Rotors

On 25 Mar 2014 at 15:50, Scott Myers wrote:

> into the medium-heavy and heavy duty range. The medium heavy starts at the
> some of the Yaesu models with the "Prop Pitch" being the king of the hill
in
> the heavy duty (and price) department.

I have a completely unused and complete prop-pitch motor here.

What sorts of controllers would the group recommend for this thing?

It LOOKS like it would be capable of rotating my house.

It also looks and feels as though it would need a crane to install it: it is heavy.

Recommendations?

Ken W7EKB

31812. RE: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-26 01:48:26 UTC
From: Geoff NW7GM
Topic: 31788 Message: 31812

There was a recent thread on the rafdioartisan group regarding a prop pitch motor. Yes, you would have to 'roll your own but it sure beats the $700 of the other choices.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 25, 2014 6:45 PM, "Scott Myers" <ac8de@...> wrote:

>
>
> If you don't want to "roll your own", then a Green Heron RT-21pp is the
> way to go, but it's not cheap at $700. But then again, nothing about
> putting a prop pitch into service is cheap. The RT-21pp is easily
> interfaced to any computer or operates manually. The biggest problem with
> the Prop Pitch starts with the 24 VDC requirement and its near 8 amp inrush
> under acceleration and 5 amp nominal. This requires some large wire to
> minimize voltage drop. Now if you don't have a large antenna array and can
> live with less torque, then you can put in smaller wire, but only to a
> point. The longer the run, the larger the wire gauge needed. If you get
> far enough away from the controller (about 300'), you have to use a remote
> power unit to be practical, making the controller cost twice as much.
>
>
>
> Bottom line: You have to really need a prop pitch to spend the money to
> put it into service.
>
>
>
> 73,
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *Kenneth G. Gordon
> *Sent:* Tuesday, March 25, 2014 4:16 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Questions on Rotors
>
>
>
>

>
> On 25 Mar 2014 at 15:50, Scott Myers wrote:
>
> > into the medium-heavy and heavy duty range. The medium heavy starts at
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> > some of the Yaesu models with the "Prop Pitch" being the king of the
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> > the heavy duty (and price) department.
>
> I have a completely unused and complete prop-pitch motor here.
>
> What sorts of controllers would the group recommend for this thing?
>
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>
> It also looks and feels as though it would need a crane to install it: it
> is heavy.
>
> Recommendations?
>
> Ken W7EKB
>
>
>

31813. RE: [ham-antennas] Questions on Rotors

Yahoo group: ham-antennas (2014)
Date: 2014-03-26 16:29:47 UTC
From: Scott Myers
Topic: 31788 Message: 31813

You are right Geoff. The Green Heron is a pricey controller and saving money is always welcome, since everything else associated with a prop pitch is pricey. But does saving $700 truly beat the Green Heron in a prop pitch installation? It depends upon one's risk assessment to the total size of the investment. Let's talk about that, as most hams haven't been exposed to a prop pitch install. It's like no other.

If you already have a prop pitch and are not putting a high dollar array atop it, then it makes sense to start cutting costs and use something homebrew on the controller. This may be Ken W7EKB's case. If you are installing the prop pitch to handle a large array (as the usually case), then cheapening the controller cost makes much less sense. It's also important to note that if you are considering installing one and have never dealt with one, you may be in for some surprises. The prop pitch is an interesting and unique rotator with unique requirements and unless you've went through the motions of installing one, you don't know how unique it is.

When are prop pitches normally installed? What makes them so special? Why would you want one? Most hams have heard of them or even seen them and know they are sort of the "Holy Grail" of rotators. Their HUGE gear reduction (either 7,000:1 or 9,500:1) and the fact they were built for military plane propeller pitch control (hence the name), that's what. They are true triple-stage planetary gear drives and have stupid high torque capability that puts their safety margin so high that they yawn at turning a large array. But they do turn slower than most other rotators due to the high gear ratio. An interesting fact is that if you adjust for the time value of money for when they quit making the prop pitch in the mid 1950's, if they still made it now the SMALL unit would cost about $28,000 today. That gives you an idea of the kind of build quality and capability it has, as there was no corner cutting in its design like a normal rotator. It is a serious piece of hardware, but has serious install requirements as well.

Specs on prop pitch rotators from K7NV's site.

http://k7nv.com/notebook/ppinfo/

Most prop pitch installations are not cost cutting adventures as everything about it and around it is very expensive for the average ham. Even if you already own the prop pitch, it takes a fair amount of money to get it installed. You really have to truly need one for installing one to make sense, as it is in a completely different league than even a Prosistel PST-110D. But if you can get it installed, it will outlast you most likely and you will never have to worry about it.

The normal situation for installing a prop pitch is usually a high dollar installation to begin with and not just for a typical tribander. The small

prop pitch will fit in smaller towers like a crank up. (The smallest version of a prop pitch is larger than a Tailtwister, so it won't fit in compact crank-ups.) The medium size won't fit in anything less than Rohn 45, so you are already into some pretty high dollar tower. Even then you have to either cut out a cross brace or drop it in from the top, as it is physically long with the big motor on the bottom. And as Ken said it is HEAVY! When I took delivery of the medium sized one from K7NV I was shocked at the weight when I tried to pick up the big tube it came in, as I hadn't considered how much it weighed. Packed, it weighed about 80 lb. Just the heavy mounting plate made to take the appropriate vertical loading and a heavy duty top bearing plate for the appropriate sized thrust bearing will set you back $500, not including the thrust bearing! If you add an intermediate plate, even more money is needed. It sure ain't no Ham IV. hi hi

Usually some pretty big expensive antenna arrays are going atop prop pitch rotators on big towers with large mast pipes. There is so much money wrapped up in such a system that a $700 controller gets lost in the noise. The other issue is that when you've spent that much time, money and effort to install a large array and a pricey prop pitch, you want a lot of safety and dependability in the controller. The radioartisan solution is probably just fine, but most hams installing a new $3,000+ rotator (when rebuilt) with presumably $5000-$8000 worth of antenna sitting atop it, and all the other pricey items are usually not going to install a homebrew controller because it's not that "kind" of installation. The owners of such systems usually want a proven safe design commercially made controller to protect the tower and system. Not always, but this is typical with a prop pitch installation.

I'm rebuilding the top of our 135' tower at our club right now and putting in the medium prop pitch. We are rebuilding an original SteppIR MonstIR, replacing the top section of Rohn 45G, mounting plate, intermediate plate, top plate, bearings, mast pipe, replacing the M2 2M beam, and installing new hard lines and control cables. This system was in service for about 7 years, but it had mechanical problems due to too small a rotator (PST71D), torque wind-up of the original mast pipe and 2 worn out thrust bearings. We have a lot of people that use this system, so we need all the safeguards we can get, so we went with the Green Heron. But in a home shack with just one ham using it who won't take unnecessary risks anyway, a homebrew controller may be perfectly acceptable.

The one surprise cost I hadn't considered with doing an install of a prop pitch with a 280' wire run was voltage drop and wire gauge. A prop pitch has a high amperage requirement compared to other rotators, hence the need for a special controller. The minimum wire we could go with was 10 gauge, which causes a 10% voltage drop at nominal current draw of 5 amps. At the peak amps of 8, it hits 17%, but I expect that we will never see that because we will keep the ramp rate pretty low. Jumping up to 8 gauge nearly triples the wire cost and does get use down to 10% drop at 8 amp peak current draw, but at nominal current draw its only a 3-4% difference, which isn't enough in speed/torque to worry about. A prop pitch requires 3

parallel runs of the heavy gauge wire and 2 conductors of small size for the feedback.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Tuesday, March 25, 2014 9:48 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Questions on Rotors

There was a recent thread on the rafdioartisan group regarding a prop pitch motor. Yes, you would have to 'roll your own but it sure beats the $700 of the other choices.

Geoff, NW7GM
Seattle, WA
CN87tr

On Mar 25, 2014 6:45 PM, "Scott Myers" <ac8de@...> wrote:

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Bottom line: You have to really need a prop pitch to spend the money to put it into service.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Tuesday, March 25, 2014 4:16 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Questions on Rotors

On 25 Mar 2014 at 15:50, Scott Myers wrote:

> into the medium-heavy and heavy duty range. The medium heavy starts at the
> some of the Yaesu models with the "Prop Pitch" being the king of the hill in

> the heavy duty (and price) department.

I have a completely unused and complete prop-pitch motor here.

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Recommendations?

Ken W7EKB

31814. Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 14:06:53 UTC
From: <p_chap@...>
Topic: 31814 Message: 31814

Has anyone seen or built a rope powered turning device for a small lightweight beam i.e. 6 meters?

Google has not been my friend on this one

31815. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 15:20:08 UTC
From: dean
Topic: 31814 Message: 31815

Its what we used for years to turn our beams on field day

73, WY6L

From: p_chap@...
Sent: Friday, March 28, 2014 7:06 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rope powered rotor

Has anyone seen or built a rope powered turning device for a small lightweight beam i.e. 6 meters?

Google has not been my friend on this one

31816. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 15:36:15 UTC
From: Stan Labinsky Jr.
Topic: 31814 Message: 31816

Was known as the Armstrong method.

Stan

From: dean
Sent: Friday, March 28, 2014 11:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Rope powered rotor

Its what we used for years to turn our beams on field day

73, WY6L

From: p_chap@...
Sent: Friday, March 28, 2014 7:06 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rope powered rotor

Has anyone seen or built a rope powered turning device for a small lightweight beam i.e. 6 meters?

Google has not been my friend on this one

31817. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-27 16:20:23 UTC
From: Joe - W7RKN
Topic: 31814 Message: 31817

Oh Boo!

That was 2/3's of a pun...PU

<<GRIN>>

Joe - W7RKN
----- Original Message -----
From: Stan Labinsky Jr.
Subject: Re: [ham-antennas] Rope powered rotor

Was known as the Armstrong method.

Stan

31818. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 16:40:07 UTC
From: Artek Manuals
Topic: 31814 Message: 31818

Nahhh ..the Armstrong Rotators use a Pipe Wrench to turn the mast :-)

One thing to remember with rope pulley driven systems is that the sun
will rot the rope so think in terms of making the rope easy to replace
once a year

Dave
NR1DX

On 3/28/2014 10:36 AM, Stan Labinsky Jr. wrote:
>
> Was known as the Armstrong method.
> Stan
> *From:* dean <mailto:deanf@...>
> *Sent:* Friday, March 28, 2014 11:20 AM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* Re: [ham-antennas] Rope powered rotor
>
> Its what we used for years to turn our beams on field day
> 73, WY6L
> *From:* p_chap@... <mailto:p_chap@...>
> *Sent:* Friday, March 28, 2014 7:06 AM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Rope powered rotor
>
> Has anyone seen or built a rope powered turning device for a small
> lightweight beam i.e. 6 meters?
>
> Google has not been my friend on this one
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31819. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-27 16:46:41 UTC
From: Joe - W7RKN
Topic: 31814 Message: 31819

At one time, I had a pole outside my shack window, with a 1.2 meter beam on it. I would just reach out the window and turn it by hand.

It was quite handy!

Joe - W7RKN
----- Original Message -----
From: Artek Manuals
Subject: Re: [ham-antennas] Rope powered rotor

Nahhh ..the Armstrong Rotators use a Pipe Wrench to turn the mast :-)

31820. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 17:20:15 UTC
From: <p_chap@...>
Topic: 31814 Message: 31820

I would use antenna black dacron good for ten years.
Any design available anyone knows about?

31821. RE: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 18:11:41 UTC
From: James M. Geidl
Topic: 31814 Message: 31821

...or elbowtator

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Stan Labinsky Jr.
Sent: Friday, March 28, 2014 8:36 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Rope powered rotor

Was known as the Armstrong method.

Stan

From: dean <mailto:deanf@...>
Sent: Friday, March 28, 2014 11:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Rope powered rotor

Its what we used for years to turn our beams on field day

73, WY6L

From: p_chap@...
Sent: Friday, March 28, 2014 7:06 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Rope powered rotor

Has anyone seen or built a rope powered turning device for a small lightweight beam i.e. 6 meters?

Google has not been my friend on this one

31822. RE: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 18:13:22 UTC
From: James M. Geidl
Topic: 31814 Message: 31822

I, more or less, have that right now for 2m. I have an Elk on a mast that runs up about 25' along the face of my chiminey to the ground. I just step outside a twist it where I want it.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe - W7RKN
Sent: Thursday, March 27, 2014 9:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Rope powered rotor

At one time, I had a pole outside my shack window, with a 1.2 meter beam on it. I would just reach out the window and turn it by hand.

It was quite handy!

Joe - W7RKN

----- Original Message -----
From: Artek Manuals <mailto:nr1dx@...>
Subject: Re: [ham-antennas] Rope powered rotor

Nahhh ..the Armstrong Rotators use a Pipe Wrench to turn the mast :-)

31823. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 18:20:00 UTC
From: David Gillooly
Topic: 31814 Message: 31823

I assume that this would be computer controlled. It is an idea that needs exploration, and also especially for UHF/VHF small satellite stations.

David Gillooly

On Fri, Mar 28, 2014 at 7:06 AM, <p_chap@...> wrote:

>
>
> Has anyone seen or built a rope powered turning device for a small
> lightweight beam i.e. 6 meters?
>
> Google has not been my friend on this one
>
>

31824. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 18:46:50 UTC
From: Dexter McIntyre W4DEX
Topic: 31814 Message: 31824

p_chap@... wrote:
>
>
> I would use antenna black dacron good for ten years.
>
I've had a 160 meter dipole up for about twenty years now which is supported by what I believe is military surplus rope that I purchased at a ham fest. I've been expecting the rope to fail for at least ten years now and I'm beginning to believe it will outlast me.

> Any design available anyone knows about?
>
How's your antenna mounted? I tinkered with a rope rotor system when I was a young new ham over 50 years ago.

Dex

31825. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 20:21:47 UTC
From: Todd F. Carney / K7TFC
Topic: 31814 Message: 31825

On Fri, Mar 28, 2014 at 5:20 PM, <p_chap@...> wrote:

> I would use antenna black dacron good for ten years.

One could also use "aircraft" cable in the smallest thickness such that it would thread and roll easily through pullies. Even a pretty thin cable would be stronger than Dacron. Of course, more expensive, too.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

31826. Re: [ham-antennas] Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-28 20:27:28 UTC
From: Alex Netherton
Topic: 31814 Message: 31826

I once had an antenna for TV outside my front door mounted on a Tulip Tree (Tulip Poplar, Yellow Poplar, *Liriodendron tulipifera*) that I would go out and twist around when the XYL changed channels. Have used the same sort of thing with 2 meters. A rope with several turns around the mast (tree, pole, whatever) and pinned to the pole in the middle of the turns, and the two ends of the rope fed through into the shack should work fine. Might even work for lighter HF antennas.

Armstrong Method! I like that!

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Fri, Mar 28, 2014 at 2:46 PM, Dexter McIntyre W4DEX
<dexter.mc@...>wrote:

>
>
> p_chap@bellsouth.net wrote:
> >
> >
> > I would use antenna black dacron good for ten years.
> >
> I've had a 160 meter dipole up for about twenty years now which is
> supported by what I believe is military surplus rope that I purchased at
> a ham fest. I've been expecting the rope to fail for at least ten years
> now and I'm beginning to believe it will outlast me.
>
>
> > Any design available anyone knows about?
> >
> How's your antenna mounted? I tinkered with a rope rotor system when I
> was a young new ham over 50 years ago.
>
> Dex
>
>
>

31827. News

Yahoo group: ham-antennas (2014)
Date: 2014-03-29 05:41:13 UTC
From: Keith D. Brady
Topic: 31827 Message: 31827

Hello! http://biobell-orientalmedspa.com/fpzu/gc-news.php

Keith D. Brady

31828. Re: [ham-antennas] why not use a tuner at the base of my vertical? maybe a dumb question

Yahoo group: ham-antennas (2014)
Date: 2014-03-29 23:35:15 UTC
From: Artek Manuals
Topic: 31254 Message: 31828

The short answer is the butternut will be better for DX (low angle stuff) on 20-10M and the 43' Will be slightly better for DX on 80-40-& 30. For short hop stuff the results will be allover the map on each antenna

Why do you need to raise the B-Nut another 10'? you will unlikely get much if any performance improvement

Look in thee group archives for the last couple of years to see a more in depth discussion on the pros and cons pf the 43' vertical

DAve
NR1DX

On 2/7/2014 7:06 PM, doug@... wrote:
>
> Hello. Forgive me for this "deer in the headlights" type question.
>
> I have put a butternut vertical on a 10-ft mast (and I want to add
> another 10') using twinlead for elevated radials. Now I have this
> issue: the resonance points are generally outside the bands, and are
> all not where I want them. So I can take my antenna analyzer to the
> roof and fiddle around with the butternut, then with the lengths of
> the tuned radial segments and get it where I want it, then challenge
> the devil by adding another 10-feet to the mast.
> OR
> I can take down the butternut and put up a 43-foot vertical (no
> traps, etc) and put an automatic tuner at its base and ta-da, I'm
> done. Unless I fall off the roof (then I suppose I'm done too).
>
> Finally, my question: what's the difference in effectiveness between
> using a resonant vertical vs an un-resonant vertical and a tuner at
> its base? (feedpoint)
>
> please help this old man figure this out.
> thanks, 73, Doug k7kw
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31829. Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 05:12:41 UTC
From: <etsu1972@...>
Topic: 31829 Message: 31829

I have used a Little tarheel II on one of my cars for the last 5 years with great success mobile. Recently I decided that I would like to put a mobile rig in my 1989 Chevy S-10 truck but on the cheap. I found my old Hustler whips from many years ago and decided to use them on 75 and 40 meters.I bought one of the Hustler mounts for RV's since it was a strong mount.

I tried to tune the antennas in the garage first. I attached the 75 meter resonator to the lower end of the antenna shaft and attached the shaft to the 3/8 mount. I then sat the mount on the floor of the garage and hooked up the coax to my MFJ antenna analyzer. To my amazement the 75 meter antenna and the 40 meter antenna both resonated well below the 75 and 40 meter bands. Like 2.2 mhz and 5.1 mhz! No amount of adjusting the whips wound bring either antenna into the ham bands. So I tried a firestick mount and put it on the garage floor and sat the antennas up vertically as before and got the same resonance results.

However, when I placed both antennas into a magnet (3) mount on the floor of the garage both antennas easily resonated within the phone segments of 75 and 40 meters. I'm stumped as I was planning on using the rv type hustler mount. My last choice was to use the magnet mount. Note that I haven't placed any of these on my truck yet. What would cause this? Thank you, Greg, K4PVA.

31830. RE: [ham-antennas] Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 06:08:32 UTC
From: Alex Netherton
Topic: 31829 Message: 31830

The antenna needs a ground plane which is not provided by the garage floor. Put the mount on a vehicle before testing.

Alex Netherton
Http://blueridgediscovery.org
Amateur call sign KC4BO

-------- Original message --------
From: etsu1972@yahoo.com
Date:03/30/2014 1:12 AM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Mobile Antenna Tuning Issue

I have used a Little tarheel II on one of my cars for the last 5 years with great success mobile. Recently I decided that I would like to put a mobile rig in my 1989 Chevy S-10 truck but on the cheap. I found my old Hustler whips from many years ago and decided to use them on 75 and 40 meters.I bought one of the Hustler mounts for RV's since it was a strong mount.

I tried to tune the antennas in the garage first. I attached the 75 meter resonator to the lower end of the antenna shaft and attached the shaft to the 3/8 mount. I then sat the mount on the floor of the garage and hooked up the coax to my MFJ antenna analyzer. To my amazement the 75 meter antenna and the 40 meter antenna both resonated well below the 75 and 40 meter bands. Like 2.2 mhz and 5.1 mhz! No amount of adjusting the whips wound bring either antenna into the ham bands. So I tried a firestick mount and put it on the garage floor and sat the antennas up vertically as before and got the same resonance results.

However, when I placed both antennas into a magnet (3) mount on the floor of the garage both antennas easily resonated within the phone segments of 75 and 40 meters. I'm stumped as I was planning on using the rv type hustler mount. My last choice was to use the magnet mount. Note that I haven't placed any of these on my truck yet. What would cause this? Thank you, Greg, K4PVA.

31831. Re: [ham-antennas] News

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 07:30:49 UTC
From: Ken Snipes
Topic: 31827 Message: 31831

Keith must be selling some kinda new healthy skin soap....lol

At 12:41 AM 3/29/2014, you wrote:
>
>
>
>Hello!
><http://biobell-orientalmedspa.com/fpzu/gc-news.php>http://biobell-orientalmedspa.com/fpzu/gc-news.php
>
>Keith D. Brady
>
>
>

KD4IEN
10-10# 74734

You can also find me on the WEB at...
KD4IEN on the AOL imer
KD4IEN on MSN Messenger
KD4IEN on Yahoo Messenger
KD4IEN_TN on Twitter

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31832. Re: [ham-antennas] Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 08:25:48 UTC
From: Van Lincoln
Topic: 31829 Message: 31832

In minnesota, whre I live, it is common in most any poured concrete slab
to submerge a mat of wire for strength of the slab, In both garages, driveways,
and sidewalks. I'm sure that that's probably what retuned the antenna to
your unexpected frequencies.

wd8aam Van

At 05:12 3/30/2014, you wrote:

>I have used a Little tarheel II on one of my
>cars for the last 5 years with great success
>mobile. Recently I decided that I would like to
>put a mobile rig in my 1989 Chevy S-10 truck but
>on the cheap. I found my old Hustler whips from
>many years ago and decided to use them on 75 and
>40 meters.I bought one of the Hustler mounts for
>RV's since it was a strong mount.
>
>I tried to tune the antennas in the garage
>first. I attached the 75 meter resonator to the
>lower end of the antenna shaft and attached the
>shaft to the 3/8 mount. I then sat the mount on
>the floor of the garage and hooked up the coax
>to my MFJ antenna analyzer. To my amazement the
>75 meter antenna and the 40 meter antenna both
>resonated well below the 75 and 40 meter bands.
>Like 2.2 mhz and 5.1 mhz! No amount of adjusting
>the whips wound bring either antenna into the
>ham bands. So I tried a firestick mount and put
>it on the garage floor and sat the antennas up
>vertically as before and got the same resonance results.
>
>However, when I placed both antennas into a
>magnet (3) mount on the floor of the garage both
>antennas easily resonated within the phone
>segments of 75 and 40 meters. I'm stumped as I
>was planning on using the rv type hustler mount.
>My last choice was to use the magnet mount. Note
>that I haven't placed any of these on my truck
>yet. What would cause this? Thank you, Greg, K4PVA.
>
>
>

31833. RE: [ham-antennas] Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 09:45:26 UTC
From: KB3YRC
Topic: 31829 Message: 31833

I agree Mount the antenna or Mag mount and back it outside the garage to tune it. You may need to add a ground strap, What are you tuning it with ? An antenna analyzer? a Bird what meter? an inline SWR meter?

Tune it in the application not on the bench or the floor.

What am I saying I should listen to my own advise I do it also.

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Van Lincoln
Sent: Sunday, March 30, 2014 4:26 AM
To: ham-antennas@yahoogroups.com
Cc: etsu1972@...
Subject: Re: [ham-antennas] Mobile Antenna Tuning Issue

In minnesota, whre I live, it is common in most any poured concrete slab to submerge a mat of wire for strength of the slab, In both garages, driveways,
and sidewalks. I'm sure that that's probably what retuned the antenna to your unexpected frequencies.

wd8aam Van

At 05:12 3/30/2014, you wrote:

I have used a Little tarheel II on one of my cars for the last 5 years with great success mobile. Recently I decided that I would like to put a mobile rig in my 1989 Chevy S-10 truck but on the cheap. I found my old Hustler whips from many years ago and decided to use them on 75 and 40 meters.I bought one of the Hustler mounts for RV's since it was a strong mount.

I tried to tune the antennas in the garage first. I attached the 75 meter resonator to the lower end of the antenna shaft and attached the shaft to the 3/8 mount. I then sat the mount on the floor of the garage and hooked up the coax to my MFJ antenna analyzer. To my amazement the 75 meter antenna and the 40 meter antenna both resonated well below the 75 and 40 meter bands. Like 2.2 mhz and 5.1 mhz! No amount of adjusting the whips wound bring either antenna into the ham bands. So I tried a firestick mount and put it on the garage floor and sat the antennas up vertically as before and got the same resonance results.

However, when I placed both antennas into a magnet (3) mount on the floor of the garage both antennas easily resonated within the phone segments of 75 and 40 meters. I'm stumped as I was planning on using the rv type hustler mount. My last choice was to use the magnet mount. Note that I haven't

placed any of these on my truck yet. What would cause this? Thank you, Greg, K4PVA.

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31834. Re: Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 10:30:55 UTC
From: Jeffrey Lord
Topic: 31814 Message: 31834

Many years ago (cb radios) I saw a rotator built from bicycle chain and sprockets this was used to rotate a 3 element 27 MHz beam. And worked very well

Jeff
Vk4fnrs

Sent from my iPhone

31835. Re: Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 11:59:44 UTC
From: Jeffrey Lord
Topic: 31829 Message: 31835

These antenna need a ground plane the reo in the concrete will not do us your doing it inside a building and the structure will throw everything out
Best to mount the antenna on the be car / trick then look at tuning it , pointless otherwise

Jeff
Vk4fnrs

Sent from my iPhone

31836. Re: [ham-antennas] News

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 12:57:46 UTC
From: Billy Manley
Topic: 31827 Message: 31836

Our got his email hacked!!! Must need a password change!!

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31837. Re: Rope powered rotor

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 13:13:27 UTC
From: <dogsnradios@...>
Topic: 31814 Message: 31837

Exactly what I was thinking Jeff. If I remember correctly the guys that used this setup utilized a multi speed bike gear and turned some good sized beams.

31838. Re: Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 23:08:20 UTC
From: <etsu1972@...>
Topic: 31829 Message: 31838

Thanks everyone for your suggestions. I will try to get the antenna mounted on my truck this week. I use a MFJ-258B antenna analyzer for tuning. Did not know about problems with concrete in the garage. I live in the Northwest and it was raining heavily for the last 2 days. That's why I way trying to do some tuning in the garage.

31839. mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 01:15:08 UTC
From: <kilo9deltabravoalpha@...>
Topic: 31839 Message: 31839

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

31840. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 16:29:57 UTC
From: Bill Collister
Topic: 31839 Message: 31840

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@gmail.com wrote:
>
>
> what is the best mag mount antenna? i know diamond has a couple of mag
> mounts that you can screw an antenna onto but i am looking for the
> highest gain and longest antenna that will work well with a crossband
> repeater. it will used on a non-moving vehicle's roof.
>
>

31841. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 17:50:30 UTC
From: dean
Topic: 31839 Message: 31841

Why put an antenna on a vehicle that does not move?

73, WY6L

From: Bill Collister
Sent: Monday, March 31, 2014 9:29 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

31842. RE: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 18:17:39 UTC
From: James M. Geidl
Topic: 31839 Message: 31842

Bill, is correct. I have a Comet base that I am very happy with.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Collister
Sent: Monday, March 31, 2014 9:30 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

31843. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 18:22:34 UTC
From: Joe - W7RKN
Topic: 31839 Message: 31843

I can think of one big reason...CC&R covenants! No antennas allowed, But....If attached to a vehicle, not much they can do about it. I know a number of people who do this, for everything from local repeater chit chat, to portable towers, mounted on trailers with good sized beams! I love that one..the community busy-bodies convinced the homeowner's board to fine him..when he refused, they sued. Guess who lost, and had to pay all kinds of penalties and legal fees for filing a frivolous, and baseless action?!! I just love that one.....he then mounted a remotely actuated, telescoping tower on the trailer....it goes up about 45 feet and another 10 with the mast. Nothing the homeowner's association can do...The only rule they have is if a trailer, it must be behind a 10' fence so as to hide the trailer...which it is...nothing about seeing what is *ON* the trailer.

More than one way to skin the cat!

Joe - W7RKN
----- Original Message -----
From: dean
Subject: Re: [ham-antennas] mag mount antenna

Why put an antenna on a vehicle that does not move?

73, WY6L

31844. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 19:16:08 UTC
From: Walt Wilson
Topic: 31839 Message: 31844

Duh, to get around the restrictions of a permanent antenna in the yard maybe?

From: dean
Sent: Monday, March 31, 2014 1:50 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

Why put an antenna on a vehicle that does not move?

73, WY6L

From: Bill Collister
Sent: Monday, March 31, 2014 9:29 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7275 - Release Date: 03/31/14

31845. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 19:18:54 UTC
From: Jim Bennett
Topic: 31839 Message: 31845

Now, if I could only figure out how to guy my car-roof mounted Rohn 25 tower.....! :-)

On Monday, Mar 31, 2014, at Monday, 12:16 PM, Walt Wilson wrote:

>
> Duh, to get around the restrictions of a permanent antenna in the yard maybe?
>
> From: dean
> Sent: Monday, March 31, 2014 1:50 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] mag mount antenna
>
>
>
> Why put an antenna on a vehicle that does not move?
>
> 73, WY6L
>
>
> From: Bill Collister
> Sent: Monday, March 31, 2014 9:29 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] mag mount antenna
>
>
>
> No such thing as a "best" mag mount....
> Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
> Bill
> N7MOG
>
> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
>>
>>
>> what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.
>>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4355 / Virus Database: 3722/7275 - Release Date: 03/31/14
>
>

>

31846. AW: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 19:51:54 UTC
From: siegfried jackstien
Topic: 31839 Message: 31846

Get a bigger car (more heavy) ... :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jim Bennett
> Gesendet: Montag, 31. März 2014 19:19
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] mag mount antenna
>
>
>
> Now, if I could only figure out how to guy my car-roof mounted Rohn 25
> tower.....! :-)
>
>
> On Monday, Mar 31, 2014, at Monday, 12:16 PM, Walt Wilson wrote:
>
>
>
>
> Duh, to get around the restrictions of a permanent antenna in the
> yard maybe?
>
> From: dean <mailto:deanf@...>
> Sent: Monday, March 31, 2014 1:50 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] mag mount antenna
>
>
>
> Why put an antenna on a vehicle that does not move?
>
> 73, WY6L
>
>
> From: Bill Collister <mailto:n7mog@...>
> Sent: Monday, March 31, 2014 9:29 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] mag mount antenna
>
>
>

> No such thing as a "best" mag mount....
> Gotta stick and not scratch paint! I like my Larsen, but have used
> many others. If it moves @ hiway speed, I give it away.
> Bill
> N7MOG
>
> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
>
>
>
>
>
> what is the best mag mount antenna? i know diamond has a
> couple of mag mounts that you can screw an antenna onto but i am looking
> for the highest gain and longest antenna that will work well with a
> crossband repeater. it will used on a non-moving vehicle's roof.
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com/>
> Version: 2014.0.4355 / Virus Database: 3722/7275 - Release Date:
> 03/31/14
>
>
>
>

31847. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 20:15:32 UTC
From: Andy
Topic: 31839 Message: 31847

Don't mind me ... but I hate questions of the nature of "which is the best xxxxx". There are some very good ones of almost anything you name, and the differences between them may be minuscule or nonexistent.

It's also not clear if you were asking about just a mag mount, or about the antenna (the whole shebang).

If you want truly the best, it's probably advisable NOT to use a mag mount, but get a real mount that is cut into the roof and in physical contact with it. There is some compromise, small or not, when your signal needs to capacitively couple through a couple of layers to roof metal. Me, I have had excellent results with magmount antennae, but I know there's a chance I might be losing a fraction of a dB by doing so. That's OK with me.

Where is that crossband repeater you mentioned? Is it in the vehicle? And the vehicle itself is a mobile command post or portable repeater of some sort? (Either of those would be a good reason for having it on a non-moving vehicle.)

If it is a crossband repeater that you plan on hooking up to this roof-mounted antenna, it probably makes a difference.

Andy

31848. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 21:07:56 UTC
From: Dave Holcomb / K9DBA
Topic: 31839 Message: 31848

we are looking to lock a radio that does crossband repeat inside a vehicle
that will be parked in a more ideal location away from where net control is
as the event is located in a canyon. - dave

On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...> wrote:

>
>
> Why put an antenna on a vehicle that does not move?
>
> 73, WY6L
>
>
> *From:* Bill Collister <n7mog@msn.com>
> *Sent:* Monday, March 31, 2014 9:29 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] mag mount antenna
>
>
>
> No such thing as a "best" mag mount....
> Gotta stick and not scratch paint! I like my Larsen, but have used many
> others. If it moves @ hiway speed, I give it away.
> Bill
> N7MOG
>
> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@gmail.com wrote:
>
>
>
>
> what is the best mag mount antenna? i know diamond has a couple of mag
> mounts that you can screw an antenna onto but i am looking for the highest
> gain and longest antenna that will work well with a crossband repeater. it
> will used on a non-moving vehicle's roof.
>
>
>
>

31849. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 21:18:58 UTC
From: Dave Holcomb / K9DBA
Topic: 31839 Message: 31849

is the larsen you have used, this larsen? MM2/70PL
i have 2 comets that i use, the model M-24M but i am trying to find a
higher gain and longer length than the comet

On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...t> wrote:

>
>
> Why put an antenna on a vehicle that does not move?
>
> 73, WY6L
>
>
> *From:* Bill Collister <n7mog@...>
> *Sent:* Monday, March 31, 2014 9:29 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] mag mount antenna
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> No such thing as a "best" mag mount....
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> others. If it moves @ hiway speed, I give it away.
> Bill
> N7MOG
>
> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
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> what is the best mag mount antenna? i know diamond has a couple of mag
> mounts that you can screw an antenna onto but i am looking for the highest
> gain and longest antenna that will work well with a crossband repeater. it
> will used on a non-moving vehicle's roof.
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31850. AW: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 21:43:40 UTC
From: siegfried jackstien
Topic: 31839 Message: 31850

Best one that i used and still have is the diamond nr770hb (n mount) but it is also available with uhf mount as nr770ha ...

Built like a tank with fold over mount

And it is a so called "radial-less" antenna

On 2m it is a halfwave and on 70cm it is 2 times 5/8 wave ...

It is on both bands "endfed high impedance" ... and it does work even with no roof below it at all (also used it in the hotel at the window with good results)

...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dave Holcomb / K9DBA
> Gesendet: Montag, 31. März 2014 21:19
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] mag mount antenna
>
>
>
>
> is the larsen you have used, this larsen? MM2/70PL
>
> i have 2 comets that i use, the model M-24M but i am trying to find a
> higher gain and longer length than the comet
>
>
> On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...> wrote:
>
>
>
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>
> Why put an antenna on a vehicle that does not move?
>
> 73, WY6L
>

>
> From: Bill Collister <mailto:n7mog@...>
> Sent: Monday, March 31, 2014 9:29 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] mag mount antenna
>
>
>
>
>
> No such thing as a "best" mag mount....
> Gotta stick and not scratch paint! I like my Larsen, but have used
> many others. If it moves @ hiway speed, I give it away.
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> N7MOG
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> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
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> for the highest gain and longest antenna that will work well with a
> crossband repeater. it will used on a non-moving vehicle's roof.
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31851. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 21:54:27 UTC
From: <dj_philonline@...>
Topic: 31839 Message: 31851

There is an old youtube vid from down under that shows how to make an easy 5/8 wave 2m whip with coax braid a small 11 turn base coil and shrink tube over a length of FG, made one a while ago with the top section of a 10m/CB 3 section FG antenna and it worked much better than my little 1/4wave mag mount, it hit repeaters that I had never managed before.
Phil
M6MRP

31852. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 22:11:29 UTC
From: Stan Labinsky Jr.
Topic: 31839 Message: 31852

For my money, the Comet 2x6 is the way to go. It shows some of the best gains and still has good bandwidth.

My dislikes are that it has no shock spring and you are stuck with a fold-over joint at the base.

(Think of it this way... you're pulling into a low overhead parking garage, several impatient vehicles are behind you and it's raining.) NO FUN at all!

However, in a static situation you could do much worse.

Stan

From: James M. Geidl
Sent: Monday, March 31, 2014 2:17 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] mag mount antenna

Bill, is correct. I have a Comet base that I am very happy with.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Collister
Sent: Monday, March 31, 2014 9:30 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

31853. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 23:10:37 UTC
From: Bill Collister
Topic: 31839 Message: 31853

Nope, I mean only the NMO receiver mag base that Larsen makes...would handle any NMO mounting antenna. Sorry if I misled you. I saw the question as asking about a mag mount only, not a particular antenna. The comments I made about how I select mine is only to the magnetic holding power of the base and its inability to screw up the finish on the ferrous surface to which it is "stuck" to.
Bill
N7MOG

On 3/31/2014 3:18 PM, Dave Holcomb / K9DBA wrote:
>
>
> is the larsen you have used, this larsen? MM2/70PL
>
> i have 2 comets that i use, the model M-24M but i am trying to find a
> higher gain and longer length than the comet
>
>
> On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...
> <mailto:deanf@...>> wrote:
>
> Why put an antenna on a vehicle that does not move?
> 73, WY6L
> *From:* Bill Collister <mailto:n7mog@...>
> *Sent:* Monday, March 31, 2014 9:29 AM
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Subject:* Re: [ham-antennas] mag mount antenna
>
> No such thing as a "best" mag mount....
> Gotta stick and not scratch paint! I like my Larsen, but have
> used many others. If it moves @ hiway speed, I give it away.
> Bill
> N7MOG
>
> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@...
> <mailto:kilo9deltabravoalpha@...> wrote:
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>>
>> what is the best mag mount antenna? i know diamond has a couple
>> of mag mounts that you can screw an antenna onto but i am looking
>> for the highest gain and longest antenna that will work well with
>> a crossband repeater. it will used on a non-moving vehicle's roof.
>>
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31854. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-31 23:17:49 UTC
From: Dave Holcomb / K9DBA
Topic: 31839 Message: 31854

so any NMO mountable antenna will fit a mag mount. THANK YOU for that info!

On Mon, Mar 31, 2014 at 4:10 PM, Bill Collister <n7mog@...m> wrote:

>
>
> Nope, I mean only the NMO receiver mag base that Larsen makes...would
> handle any NMO mounting antenna. Sorry if I misled you. I saw the
> question as asking about a mag mount only, not a particular antenna. The
> comments I made about how I select mine is only to the magnetic holding
> power of the base and its inability to screw up the finish on the ferrous
> surface to which it is "stuck" to.
> Bill
> N7MOG
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> On 3/31/2014 3:18 PM, Dave Holcomb / K9DBA wrote:
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> is the larsen you have used, this larsen? MM2/70PL
> i have 2 comets that i use, the model M-24M but i am trying to find a
> higher gain and longer length than the comet
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> On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...> wrote:
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>>
>> Why put an antenna on a vehicle that does not move?
>>
>> 73, WY6L
>>
>>
>> *From:* Bill Collister <n7mog@...>
>> *Sent:* Monday, March 31, 2014 9:29 AM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* Re: [ham-antennas] mag mount antenna
>>
>>
>>
>> No such thing as a "best" mag mount....
>> Gotta stick and not scratch paint! I like my Larsen, but have used many
>> others. If it moves @ hiway speed, I give it away.
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>> N7MOG

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>> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
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>> will used on a non-moving vehicle's roof.
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31855. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-03-30 23:24:04 UTC
From: Joe - W7RKN
Topic: 31839 Message: 31855

Only if it is an NMO mag mount.....

I picked up a mag mount at a swap meet that has an 8" base and is NMO....It ***DOESN'T*** slide in the wind...I did cut a piece of fuzzy cloth and glued it to the base....still won't slide. Have no clue who the manufacturer is. I had a good SWR with it and that was what is important. (Had to go this route as the wife wouldn't let me cut a hole in the roof of her new car. Oh well!

Joe - W7RKN
----- Original Message -----
From: Dave Holcomb / K9DBA
Subject: Re: [ham-antennas] mag mount antenna

so any NMO mountable antenna will fit a mag mount. THANK YOU for that info!

31856. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-01 00:31:59 UTC
From: Geoff NW7GM
Topic: 31839 Message: 31856

Not exactly... The mag mount would have to have an NMO mount as well. Some mag mounts have SO-239 connectors.

Geoff, NW7GM
Seattle, WA
CN87tr
On Mar 31, 2014 4:17 PM, "Dave Holcomb / K9DBA" <
kilo9deltabravoalpha@...> wrote:

>
>
>
>
> so any NMO mountable antenna will fit a mag mount. THANK YOU for that info!
>
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> On Mon, Mar 31, 2014 at 4:10 PM, Bill Collister <n7mog@...> wrote:
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>> Nope, I mean only the NMO receiver mag base that Larsen makes...would
>> handle any NMO mounting antenna. Sorry if I misled you. I saw the
>> question as asking about a mag mount only, not a particular antenna. The
>> comments I made about how I select mine is only to the magnetic holding
>> power of the base and its inability to screw up the finish on the ferrous
>> surface to which it is "stuck" to.
>> Bill
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>> On 3/31/2014 3:18 PM, Dave Holcomb / K9DBA wrote:
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>>
>> is the larsen you have used, this larsen? MM2/70PL

>> i have 2 comets that i use, the model M-24M but i am trying to find a
>> higher gain and longer length than the comet
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>> On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...> wrote:
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>>> Why put an antenna on a vehicle that does not move?
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>>> 73, WY6L
>>>
>>>
>>> *From:* Bill Collister <n7mog@...>
>>> *Sent:* Monday, March 31, 2014 9:29 AM
>>> *To:* ham-antennas@yahoogroups.com
>>> *Subject:* Re: [ham-antennas] mag mount antenna
>>>
>>>
>>>
>>> No such thing as a "best" mag mount....
>>> Gotta stick and not scratch paint! I like my Larsen, but have used many
>>> others. If it moves @ hiway speed, I give it away.
>>> Bill
>>> N7MOG
>>>
>>> On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:
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>>> what is the best mag mount antenna? i know diamond has a couple of mag
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>>> will used on a non-moving vehicle's roof.
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>

31857. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-01 04:14:39 UTC
From: dean
Topic: 31839 Message: 31857

Now that is a perfect reason to put an antenna on a non moving vehicle. It will work great. Any old mag mount will work if that is what you want.

73, WY6L

From: Dave Holcomb / K9DBA
Sent: Monday, March 31, 2014 2:07 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

we are looking to lock a radio that does crossband repeat inside a vehicle that will be parked in a more ideal location away from where net control is as the event is located in a canyon. - dave

On Mon, Mar 31, 2014 at 10:50 AM, dean <deanf@...> wrote:

Why put an antenna on a vehicle that does not move?

73, WY6L

From: Bill Collister
Sent: Monday, March 31, 2014 9:29 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] mag mount antenna

No such thing as a "best" mag mount....
Gotta stick and not scratch paint! I like my Larsen, but have used many others. If it moves @ hiway speed, I give it away.
Bill
N7MOG

On 3/30/2014 7:15 PM, kilo9deltabravoalpha@... wrote:

what is the best mag mount antenna? i know diamond has a couple of mag mounts that you can screw an antenna onto but i am looking for the highest gain and longest antenna that will work well with a crossband repeater. it will used on a non-moving vehicle's roof.

31858. Re: Mobile Antenna Tuning Issue

Yahoo group: ham-antennas (2014)
Date: 2014-04-01 15:55:57 UTC
From: mikerodgerske5gbc@...
Topic: 31829 Message: 31858

You will get different results with the mag mount also so decide what you want to do.

I would advise against the mag mount if other options are available. I had RFI with a 3 mag and hustler triple tree with short mast 10,17,20. It was cured with a big snap on ferrite and 3 turns thru it.
Also with old/bad paint, paint will disappear under the magnet.

40 & 75 can be a little tricky sometimes.
You may end up needing some capacitance or inductance between the mast and ground to get close to 50 ohms, that's not uncommon. Maybe you'll luck out and not need it.

I just put the Hustler 20 back on my pickup to do mobile again using the short mast. I assume the short mast is less efficient but worked well before at a different mounting position which was top of cab. Rear bed rail now.

73
Mike R

31859. Re: [ham-antennas] mag mount antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-01 17:44:11 UTC
From: <k9jfk@...>
Topic: 31839 Message: 31859

Hi..

At HF frequencies, and up to 6m, a physical bond of the ground side of antenna mount is probably necessary to get efficient operations. Normally this is done by drilling a mounting hole in the roof or bumper, or using a trunk lip mount and a "ground screw" that breaks the paint and gives metal contact. With a trunk mount you have to use copper braid to ground the trunk lid to the car's body; trunk hinges make for a lousy rf return path.

At VHF and UHF frequencies we can get away with using the capacitance between the mag mount and the body of the vehicle. Consider a 3 inch diameter mounting magnet with a layer of polyethylene covering it to protect the paint. Polyethylene has a dielectric constant of about 2.3 and the area of the magnet is about 7 square inches; using .005 inches as spacing between magnet and roof, the combination will form a capcitor of about 700pf. At 146 mhz, the reactance will be about 1.5 ohms, which would make a pretty low "resistor" for return currents. Larger magnet bases would of course have more capacitance, giving less reactance, and result in slightly more efficiency.

In short, with a good vhf/uhf mag mount, we can get away without drilling holes in our vehicles.

73, Jimmie, K9JFK

31860. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-04-01 20:46:32 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 31860

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

31861. strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 16:29:06 UTC
From: shubham vu3sxn
Topic: 31861 Message: 31861

ham-antennasVideo recorded on 2nd April 2014 8:57 AM IST timings..in INDIA
i was going through the 10m band on FT-817ND qrp transceiver,
Recently placed an indoor end-fed random wire antenna for listening and
While surfing through the band this particular signal was received, the signal was extremely

strong about S59+++ and it had a large bandwidth about 10MHZ,also it could be received on all the

modes -- digital,LSB,USB,AM,CW....the signal was strongest on AM, so i believe it had to be an AM

broadcast ,i have no idea what this signal was could be a beacon or as a fellow ham told me it

could also be a long wave radar signal, but in ham radio frequency...frequency -- 28.845MHZ
Kindly go through the video and let me know if the signal can be recognized ..

today on 3rd april ,i had uploaded this video on facebook,even 2 different ham radio operators

confirmed that even they can hear it , DARYL LAMBLE from south africa just confirm it that even he

can hear it with 59+++ signal strength in AFRICA

DE
VU3SXN

link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be

email-- vu3sxn@gmail.com

31862. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 16:41:00 UTC
From: Ray, W4BYG
Topic: 31861 Message: 31862

I also don't know what it is but it is an S7 to S9 here in Cleveland, TN at this time, this date.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of shubham vu3sxn
Sent: Thursday, April 03, 2014 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Video recorded on 2nd April 2014 8:57 AM IST timings..in INDIA
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While surfing through the band this particular signal was received, the signal was extremely

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can hear it with 59+++ signal strength in AFRICA

DE
VU3SXN

link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4
<https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be>
&feature=youtu.be

email-- vu3sxn@...

31863. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 16:45:44 UTC
From: Ray, W4BYG
Topic: 31861 Message: 31863

I don't have any way to take a bearing on this as my antenna is a vertical.

Are there a few hams with loops on 10 meters that could read some bearings
and maybe triangulate this using the list for exchanging their bearings?

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to
survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
Behalf Of shubham vu3sxn
Sent: Thursday, April 03, 2014 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] strange beacon received on 10 m band with very
strong signal and 10mhz bandwidth

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i was going through the 10m band on FT-817ND qrp transceiver,
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modes -- digital,LSB,USB,AM,CW....the signal was strongest on AM, so i
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confirm it that even he

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DE
VU3SXN

link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4
<https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be>
&feature=youtu.be

email-- vu3sxn@...

31864. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 17:13:57 UTC
From: Rickybe bennett
Topic: 31861 Message: 31864

I can hear it the best to the north east ! could be some kind of search rader in looking for the jet that went missing
ke4ghk 73's

_____
From: "Ray, W4BYG" <w4byg@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, April 3, 2014 12:45 PM
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

I don't have any way to take a bearing on this as my antenna
is a vertical.

Are there a few hams with loops on 10 meters that could read
some bearings and maybe triangulate this using the list for exchanging their
bearings?

Ray, W4BYG
"The Republic
can survive a fool for a president... It is less likely to survive a
multitude of fools, such as those who made him their
president."

_____
From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com] On Behalf Of shubham
vu3sxn
Sent: Thursday, April 03, 2014 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] strange beacon
received on 10 m band with very strong signal and 10mhz
bandwidth

Video recorded on 2nd April 2014 8:57 AM IST
timings..in INDIA
i was going through the 10m band on FT-817ND qrp
transceiver,
Recently placed an indoor end-fed random wire antenna for
listening and
While surfing through the band this particular signal was
received, the signal was extremely

strong about S59+++ and it had a large bandwidth
about 10MHZ,also it could be received on all the

modes -- digital,LSB,USB,AM,CW....the signal was
strongest on AM, so i believe it had to be an AM

broadcast ,i have no idea what this signal was
could be a beacon or as a fellow ham told me it

could also be a long wave radar signal, but in ham
radio frequency...frequency -- 28.845MHZ
Kindly go through the video and let
me know if the signal can be recognized ..

today on 3rd april ,i had uploaded this video
on facebook,even 2 different ham radio operators

confirmed that even they can hear it , DARYL LAMBLE
from south africa just confirm it that even he

can hear it with 59+++ signal strength in
AFRICA

DE
VU3SXN

link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be

email-- vu3sxn@...

31865. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 17:27:24 UTC
From: Mark Pope
Topic: 31861 Message: 31865

Must be gone or I just can't hear it in Idaho using a 3 element Beam. Spun
the rotator all the way around. Nothing but noise.
On Apr 3, 2014 11:16 AM, "Rickybe bennett" <rickybe57@...> wrote:

>
>
> I can hear it the best to the north east ! could be some kind of search
> rader in looking for the jet that went missing
> ke4ghk 73's
>
> ----------
> *From:* "Ray, W4BYG" <w4byg@...>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Thursday, April 3, 2014 12:45 PM
> *Subject:* RE: [ham-antennas] strange beacon received on 10 m band with
> very strong signal and 10mhz bandwidth
>
>
> I don't have any way to take a bearing on this as my antenna is a
> vertical.
>
> Are there a few hams with loops on 10 meters that could read some bearings
> and maybe triangulate this using the list for exchanging their bearings?
>
> Ray, W4BYG
> *"The Republic can survive a fool for a president... It is less likely to
> survive a multitude of fools, such as those who made him their president."*
>
>
> ----------
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *shubham vu3sxn
> *Sent:* Thursday, April 03, 2014 12:29 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] strange beacon received on 10 m band with very
> strong signal and 10mhz bandwidth
>
>
> Video recorded on 2nd April 2014 8:57 AM IST timings..in INDIA
> i was going through the 10m band on FT-817ND qrp transceiver,
> Recently placed an indoor end-fed random wire antenna for listening and
> While surfing through the band this particular signal was received, the
> signal was extremely
>

> strong about S59+++ and it had a large bandwidth about 10MHZ,also it could
> be received on all the
>
> modes -- digital,LSB,USB,AM,CW....the signal was strongest on AM, so i
> believe it had to be an AM
>
> broadcast ,i have no idea what this signal was could be a beacon or as a
> fellow ham told me it
>
> could also be a long wave radar signal, but in ham radio
> frequency...frequency -- 28.845MHZ
> Kindly go through the video and let me know if the signal can be
> recognized ..
>
> today on 3rd april ,i had uploaded this video on facebook,even 2
> different ham radio operators
>
> confirmed that even they can hear it , DARYL LAMBLE from south africa just
> confirm it that even he
>
> can hear it with 59+++ signal strength in AFRICA
>
>
> DE
> VU3SXN
>
> link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be
>
> email-- vu3sxn@...
>
>
>
>

31866. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:00:23 UTC
From: enkitec@...
Topic: 31861 Message: 31866

Nothing heard now in southern Brasil.

Mark Jordan PY3SS

On 03-Apr-14 13:29, shubham vu3sxn wrote:
> ham-antennas
> Video recorded on 2nd April 2014 8:57 AM IST timings..in INDIA
> i was going through the 10m band on FT-817ND qrp transceiver,
> Recently placed an indoor end-fed random wire antenna for listening and
> While surfing through the band this particular signal was received,
> the signal was extremely
> strong about S59+++ and it had a large bandwidth about 10MHZ,also it
> could be received on all the
> modes -- digital,LSB,USB,AM,CW....the signal was strongest on AM, so i
> believe it had to be an AM
> broadcast ,i have no idea what this signal was could be a beacon or as
> a fellow ham told me it
> could also be a long wave radar signal, but in ham radio
> frequency...frequency -- 28.845MHZ
> Kindly go through the video and let me know if the signal can be
> recognized ..
> today on 3rd april ,i had uploaded this video on facebook,even 2
> different ham radio operators
> confirmed that even they can hear it , DARYL LAMBLE from south africa
> just confirm it that even he
> can hear it with 59+++ signal strength in AFRICA
>
> DE
> VU3SXN
> link -- https://www.youtube.com/watch?v=Jn4_gh3rIk4&feature=youtu.be
>

31867. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:21:25 UTC
From: Kenneth G. Gordon
Topic: 31861 Message: 31867

Not heard...yet...in Moscow, Idaho.

Ken W7EKB

31868. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:27:55 UTC
From: KB3YRC
Topic: 31861 Message: 31868

28.845 Nothing here PA

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, April 03, 2014 2:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Not heard...yet...in Moscow, Idaho.

Ken W7EKB

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31869. Re: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:30:08 UTC
From: bartenderjim2002@yahoo.com
Topic: 31861 Message: 31869

Nothing here SoCal.

Sent from Yahoo Mail on Android
James M.
KJ6FXA

31870. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:37:30 UTC
From: enkitec@...
Topic: 31861 Message: 31870
Attachments: 1 described; binary payloads are missing from this source WARC

Hearing now, just at the noise level, using a 40m delta loop.

See the waterfall generated by JT65-HF.

73,
Mark Jordan PY3SS

31871. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:43:05 UTC
From: Ray, W4BYG
Topic: 31861 Message: 31871

Propagation has changed. It has died here in Cleveland, TN. It had some 1 to 2 S units of QSB on it before.

I have my receiver listening at that frequency should it return.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of KB3YRC
Sent: Thursday, April 03, 2014 2:28 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

28.845 Nothing here PA

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, April 03, 2014 2:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Not heard...yet...in Moscow, Idaho.

Ken W7EKB

<http://www.avast.com/>
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31872. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 18:53:34 UTC
From: John Murphy
Topic: 31861 Message: 31872

I am not hearing anything at all on 28.845 in any mode. That is as of 12:52 CDT here in Firestone (just north of Denver) CO.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio□s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ray, W4BYG
Sent: Thursday, April 03, 2014 12:43 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Propagation has changed. It has died here in Cleveland, TN. It had some 1 to 2 S units of QSB on it before.

I have my receiver listening at that frequency should it return.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of KB3YRC
Sent: Thursday, April 03, 2014 2:28 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

28.845 Nothing here PA

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, April 03, 2014 2:21 PM
To: ham-antennas@...m
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Not heard...yet...in Moscow, Idaho.

Ken W7EKB

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

31873. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 19:11:39 UTC
From: Alex Netherton
Topic: 31861 Message: 31873

Lots of mysterious signals out there. Does not sound like radar; see "Russian Woodpecker" on Wikipedia. Could be malicious interference, Sounded like some sort of modem signal. Be nice if somebody could do a direction finder on it. Triangulate it, and you know its location within a few miles.

KC4BO

Alex Netherton
http://blueridgediscovery.org

On Thu, Apr 3, 2014 at 2:53 PM, John Murphy <jmurphy7411@...> wrote:

>
>
> I am not hearing anything at all on 28.845 in any mode. That is as of
> 12:52 CDT here in Firestone (just north of Denver) CO.
>
>
>
>
>
>
> *73 de KCØJPO/AFA8JP John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing*
>
> *GMRS Licensee WQOW801*
>
>
> *PopComm Monitoring Station KPC0JPO"When all else fails...Amateur Radio"*
>
> *PIO Adams County (CO) ARES*
>
> *ARES/RACES/AFMARS Nothwest Area, Region 8*
>
> *USAF Security Police, 1973-84*
>
> *Owner, Oil Country Radio's*
>
> *701-421-1134 <701-421-1134>*
>
> *Business Email: **ocr58763@mail.com* <ocr58763@...>
>
> *Personal Email: **jmurphy7411@...* <jmurphy7411@...>
>
>
>

>
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *Ray, W4BYG
> *Sent:* Thursday, April 03, 2014 12:43 PM
>
> *To:* ham-antennas@yahoogroups.com
> *Subject:* RE: [ham-antennas] strange beacon received on 10 m band with
> very strong signal and 10mhz bandwidth
>
>
>
>
>
> Propagation has changed. It has died here in Cleveland, TN. It had some
> 1 to 2 S units of QSB on it before.
>
>
>
> I have my receiver listening at that frequency should it return.
>
>
>
> Ray, W4BYG
>
> *"The Republic can survive a fool for a president... It is less likely to
> survive a multitude of fools, such as those who made him their president."*
>
>
>
>
> ----------
>
> *From:* ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com<ham-antennas@yahoogroups.com>]
> *On Behalf Of *KB3YRC
> *Sent:* Thursday, April 03, 2014 2:28 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* RE: [ham-antennas] strange beacon received on 10 m band with
> very strong signal and 10mhz bandwidth
>
>
>
> 28.845 Nothing here PA
>
> *From:* ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com<ham-antennas@yahoogroups.com>]
> *On Behalf Of *Kenneth G. Gordon

> *Sent:* Thursday, April 03, 2014 2:21 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] strange beacon received on 10 m band with
> very strong signal and 10mhz bandwidth
>
>
>
> Not heard...yet...in Moscow, Idaho.
>
> Ken W7EKB
>
>
> ----------
>
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>
>
>

31874. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 21:10:22 UTC
From: MIKE DURKIN
Topic: 31861 Message: 31874

thought it was 28.045

To: ham-antennas@yahoogroups.com
From: kb3yrc@comcast.net
Date: Thu, 3 Apr 2014 14:27:55 -0400
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

28.845 Nothing here PA From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, April 03, 2014 2:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth Not heard...yet...in Moscow, Idaho.

Ken W7EKB

This email is free from viruses and malware because avast! Antivirus protection is active.

31875. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 21:12:04 UTC
From: MIKE DURKIN
Topic: 31861 Message: 31875

nm ... 28.845

To: ham-antennas@yahoogroups.com
From: Patriot121@...
Date: Thu, 3 Apr 2014 14:10:22 -0700
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

thought it was 28.045

To: ham-antennas@yahoogroups.com
From: kb3yrc@...
Date: Thu, 3 Apr 2014 14:27:55 -0400
Subject: RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

28.845 Nothing here PA From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kenneth G. Gordon
Sent: Thursday, April 03, 2014 2:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth Not heard...yet...in Moscow, Idaho.

Ken W7EKB

This email is free from viruses and malware because avast! Antivirus protection is active.

31876. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-03 22:12:48 UTC
From: Joe
Topic: 31861 Message: 31876
Attachments: 1 described; binary payloads are missing from this source WARC

and a 10 MHz bandwidth? it went from 23 MHz to 33 MHz?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/3/2014 4:10 PM, MIKE DURKIN wrote:
>
>
> thought it was 28.045
>
> ---
> To: ham-antennas@yahoogroups.com
> From: kb3yrc@...
> Date: Thu, 3 Apr 2014 14:27:55 -0400
> Subject: RE: [ham-antennas] strange beacon received on 10 m band with
> very strong signal and 10mhz bandwidth
>
>
> 28.845 Nothing here PA
>
> *From:*ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of *Kenneth G. Gordon
> *Sent:* Thursday, April 03, 2014 2:21 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] strange beacon received on 10 m band
> with very strong signal and 10mhz bandwidth
>
> Not heard...yet...in Moscow, Idaho.
>
> Ken W7EKB
>
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>

>
>
>
>

31877. Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 00:25:05 UTC
From: <vk6ro@...>
Topic: 31861 Message: 31877

I get this nearly every day here in Perth on 28 mhz from around 0400 to maybe 1200 utc [12 noon to 8pm perth time]
My beam heading is middle east when it is strongest up to s9 plus
It seems to from the middle east area and i read somewhere that it might be from EP iran. [not proven]
Some of us VKs call it the "fog horn"
It wipes out 10 metre ham signals.
May be some type of multi channel military radar or similar.
cheers from Perth

Graham VK6RO

31878. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 01:11:47 UTC
From: James M. Geidl
Topic: 31861 Message: 31878

Can you narrow down the frequency?

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vk6ro@...
Sent: Thursday, April 03, 2014 5:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

I get this nearly every day here in Perth on 28 mhz from around 0400 to maybe 1200 utc [12 noon to 8pm perth time]
My beam heading is middle east when it is strongest up to s9 plus
It seems to from the middle east area and i read somewhere that it might be from EP iran. [not proven]
Some of us VKs call it the "fog horn"
It wipes out 10 metre ham signals.
May be some type of multi channel military radar or similar.
cheers from Perth

Graham VK6RO

31879. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 12:46:40 UTC
From: Ray, W4BYG
Topic: 31861 Message: 31879

It's beginning to come in again here in Cleveland, TN. It's just above the noise this morning at 8:42AM Eastern Time. It has a sequencial 2 tone square wave characteristic, each tone lasting about 4 or 5 seconds.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vk6ro@...
Sent: Thursday, April 03, 2014 8:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

I get this nearly every day here in Perth on 28 mhz from around 0400 to maybe 1200 utc [12 noon to 8pm perth time]
My beam heading is middle east when it is strongest up to s9 plus
It seems to from the middle east area and i read somewhere that it might be from EP iran. [not proven]
Some of us VKs call it the "fog horn"
It wipes out 10 metre ham signals.
May be some type of multi channel military radar or similar.
cheers from Perth

Graham VK6RO

31880. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 12:59:56 UTC
From: KB3YRC
Topic: 31861 Message: 31880

Received in Harrisburg Pa. 28.845.0 8:54 AM two tone Its louder from the North - North East

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ray, W4BYG
Sent: Friday, April 04, 2014 8:47 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It's beginning to come in again here in Cleveland, TN. It's just above the noise this morning at 8:42AM Eastern Time. It has a sequencial 2 tone square wave characteristic, each tone lasting about 4 or 5 seconds.

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of vk6ro@...
Sent: Thursday, April 03, 2014 8:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

I get this nearly every day here in Perth on 28 mhz from around 0400 to maybe 1200 utc [12 noon to 8pm perth time]
My beam heading is middle east when it is strongest up to s9 plus
It seems to from the middle east area and i read somewhere that it might be from EP iran. [not proven]
Some of us VKs call it the "fog horn"
It wipes out 10 metre ham signals.
May be some type of multi channel military radar or similar.
cheers from Perth

Graham VK6RO

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http://www.avast.com

31881. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 13:06:30 UTC
From: Dexter McIntyre W4DEX
Topic: 31861 Message: 31881

This is what the signal looks like at 1300UT near Charlotte, NC:

https://dl.dropboxusercontent.com/u/15095569/w4dex/28.860mhz_2014.04.04_1302ut.jpg

Dex

31882. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 13:14:58 UTC
From: Joe - W7RKN
Topic: 31861 Message: 31882

Nothing in Reno, Nevada at 1312Z. (0612 hrs local)

Joe - W7RKN----- Original Message -----
From: KB3YRC
Subject: RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Received in Harrisburg Pa. 28.845.0 8:54 AM two tone Its louder from the North - North East

31883. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 13:24:36 UTC
From: N3XX
Topic: 31861 Message: 31883

At 1315 utc from the Atlanta area it's strongest at about 30-45 degrees on a
5 el Yagi. I can hear it from 28.700 to 29.000 Mhz, weak at both ends of
that range and peaking at S7 near the middle.

73,
Tim - N3XX

----- Original Message -----
From: "Ray, W4BYG" <w4byg@...>
To: <ham-antennas@yahoogroups.com>
Sent: Friday, April 04, 2014 8:46 AM
Subject: RE: [ham-antennas] Re: strange beacon received on 10 m band with
very strong signal and 10mhz bandwidth

> It's beginning to come in again here in Cleveland, TN. It's just above
> the
> noise this morning at 8:42AM Eastern Time. It has a sequencial 2 tone
> square wave characteristic, each tone lasting about 4 or 5 seconds.
>
>
> Ray, W4BYG
>
> "The Republic can survive a fool for a president... It is less likely to
> survive a multitude of fools, such as those who made him their president."
>
>
>
> _____
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of vk6ro@...
> Sent: Thursday, April 03, 2014 8:25 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: strange beacon received on 10 m band with very
> strong signal and 10mhz bandwidth
>
>
>
>
> I get this nearly every day here in Perth on 28 mhz from around 0400 to
> maybe 1200 utc [12 noon to 8pm perth time]
> My beam heading is middle east when it is strongest up to s9 plus
> It seems to from the middle east area and i read somewhere that it might

> be
> from EP iran. [not proven]
> Some of us VKs call it the "fog horn"
> It wipes out 10 metre ham signals.
> May be some type of multi channel military radar or similar.
> cheers from Perth
>
> Graham VK6RO
>
>
>

31884. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 13:27:51 UTC
From: Joe - W7RKN
Topic: 31861 Message: 31884

It appears the 'noise' in on the East Coast. Nothing heard in Sacramento, California either.

Joe W7RKN

----- Original Message -----
From: "N3XX" <n3xx@...>
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

> At 1315 utc from the Atlanta area it's strongest at about 30-45 degrees on
> a
> 5 el Yagi. I can hear it from 28.700 to 29.000 Mhz, weak at both ends of
> that range and peaking at S7 near the middle.

31885. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 13:47:57 UTC
From: Ed Simpson
Topic: 31861 Message: 31885

Nothing heard in San Diego either

Ed W6EDD

From: Joe - W7RKN <w7rkn.7@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 6:27 AM
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It appears the 'noise' in on the East Coast. Nothing heard in Sacramento, California either.

Joe W7RKN

----- Original Message -----
From: "N3XX" <n3xx@...>
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

> At 1315 utc from the Atlanta area it's strongest at about 30-45 degrees on
> a
> 5 el Yagi. I can hear it from 28.700 to 29.000 Mhz, weak at both ends of
> that range and peaking at S7 near the middle.

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

https://info.yahoo.com/legal/us/yahoo/utos/terms/

31886. Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 14:02:53 UTC
From: <chuckk@...>
Topic: 31861 Message: 31886

```
It woke me up this morning about 6am east coast time
still on now about S7 4L steppir 60 feet peaks at 60
degrees from Chase City VA
```

31887. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 15:03:58 UTC
From: cszathma@...
Topic: 31861 Message: 31887

S9 near Trenton, New Jersey

----- Original Message -----

From: chuckk@kerrlake.com
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 10:02:53 AM
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It woke me up this morning about 6am east coast time
still on now about S7 4L steppir 60 feet peaks at 60
degrees from Chase City VA

31888. RE: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 15:36:03 UTC
From: Roland Brade
Topic: 31861 Message: 31888

Here in the UK at 15:35 UTC, it is about S2 at the moment and looks your waterfall

Roley G3VIR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of enkitec@...
Sent: 03 April 2014 19:37
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Hearing now, just at the noise level, using a 40m delta loop.

See the waterfall generated by JT65-HF.

73,
Mark Jordan PY3SS

[Non-text portions of this message have been removed]

31889. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 16:18:25 UTC
From: Dobie Hoffman
Topic: 31861 Message: 31889

According to the ARRL it is Iranian Radar.
Complaits have been filed against them through other oganizations as well
as the ARRL.

Dobie KK4MGK

On Fri, Apr 4, 2014 at 11:36 AM, Roland Brade <rolandbrade@...>wrote:

>
>
> Here in the UK at 15:35 UTC, it is about S2 at the moment and looks your
> waterfall
>
> Roley G3VIR
>
>
> -----
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of enkitec@gmail.com
> Sent: 03 April 2014 19:37
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] strange beacon received on 10 m band with very
>
> strong signal and 10mhz bandwidth
>
> Hearing now, just at the noise level, using a 40m delta loop.
>
> See the waterfall generated by JT65-HF.
>
> 73,
> Mark Jordan PY3SS
>
> [Non-text portions of this message have been removed]
>
>
>

31890. Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 19:32:39 UTC
From: James "Jim" M. Geidl
Topic: 31890 Message: 31890

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31891. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 19:41:57 UTC
From: Kevin Kleinfelter
Topic: 31890 Message: 31891

I found "Practical Antenna Handbook" by Carr/Hippisley to be a little
easier to process. (Haven't finished it yet.)
Kevin / K4KPK

On Fri, Apr 4, 2014 at 3:32 PM, James "Jim" M. Geidl <
jim.geidl@...> wrote:

>
>
> I'm sure this is some kind of heresy but I just have terrible time
> understanding the ARRL Antenna Book. Can you guys suggest something
> different that I can read that will help me understand antennas? I know
> that I am supposed to have a complete understanding of the subject to have
> a General Class license but that just ain't the case.
>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>
>

31892. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 19:48:17 UTC
From: Mel Farrer
Topic: 31890 Message: 31892

Hi Jim,

I have most of the antenna books and every once in a while I turn the :The HF Antennas for all locations by Les Moxon G6XN. Published by the RSGB. Very practice and straight forward and, as you probably know, Les thinks out of the box. A good thing.

It is available from most amateur supply stores,

Cheers,

Mel, K6KBE

On Friday, April 4, 2014 12:42 PM, Kevin Kleinfelter <kleinfelter.groups@...> wrote:

I found "Practical Antenna Handbook" by Carr/Hippisley to be a little easier to process.
 (Haven't finished it yet.)
Kevin / K4KPK

On Fri, Apr 4, 2014 at 3:32 PM, James "Jim" M. Geidl <jim.geidl@...> wrote:

>
>I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.
>
>Thanks,
>
>Jim, K6JMG
>--
>Jim, K6JMG

31893. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 19:59:59 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31890 Message: 31893

Are you talking about the antenna design book (which is mostly about the 'x' shaped boxkite in its latest incarnation) -- or the regular Antenna book, which covers putting up towers and the like?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "James "Jim" M. Geidl" <jim.geidl@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 3:32 PM
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31894. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 20:44:47 UTC
From: <radiomanl@...>
Topic: 31861 Message: 31894

There is a strange signal on 29.621 than sounds like a distorted voice followed by a strange sounding CW and
two tones that sound like a very out of tune guitar . no idea on what it is .
2034z 15:35 CDT .

kd5pnt

31895. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 20:57:34 UTC
From: James M. Geidl
Topic: 31890 Message: 31895

Kevin,

Thanks. I put a hold on it at the library. We'll see if I am smart enough to understand it.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Kevin Kleinfelter
Sent: Friday, April 04, 2014 12:42 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

I found "Practical Antenna Handbook" by Carr/Hippisley to be a little easier to process. (Haven't finished it yet.)
Kevin / K4KPK

On Fri, Apr 4, 2014 at 3:32 PM, James "Jim" M. Geidl <jim.geidl@...> wrote:

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31896. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 21:00:29 UTC
From: James M. Geidl
Topic: 31890 Message: 31896

Mel,

I put it on the list. Unfortunately, it isn't available thorugh my library and I have learned a hard expenx=sive lesson about books; I don't buy them until I have a chance to review them. I have shelves full of really pretty books on all kinds of subjects that I never touch.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Mel Farrer
Sent: Friday, April 04, 2014 12:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

Hi Jim,

I have most of the antenna books and every once in a while I turn the :The HF Antennas for all locations by Les Moxon G6XN. Published by the RSGB. Very practice and straight forward and, as you probably know, Les thinks out of the box. A good thing.

It is available from most amateur supply stores,

Cheers,

Mel, K6KBE

On Friday, April 4, 2014 12:42 PM, Kevin Kleinfelter <kleinfelter.groups@...> wrote:

I found "Practical Antenna Handbook" by Carr/Hippisley to be a little easier to process. (Haven't finished it yet.)
Kevin / K4KPK

On Fri, Apr 4, 2014 at 3:32 PM, James "Jim" M. Geidl <jim.geidl@...> wrote:

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31897. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 21:01:07 UTC
From: James M. Geidl
Topic: 31890 Message: 31897

I am talking about the classic Antenna Book.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Blomgren (kk4qdz)
Sent: Friday, April 04, 2014 1:00 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

Are you talking about the antenna design book (which is mostly about the 'x' shaped boxkite in its latest incarnation) -- or the regular Antenna book, which covers putting up towers and the like?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "James "Jim" M. Geidl" <jim.geidl@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 3:32 PM
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31898. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 20:59:43 UTC
From: KA4INM
Topic: 31890 Message: 31898

On 04/04/14 15:32, James "Jim" M. K6JMG Geidl:

> I'm sure this is some kind of heresy but I just have terrible time
> understanding the ARRL Antenna Book. Can you guys suggest something
> different that I can read that will help me understand antennas? I know
> that I am supposed to have a complete understanding of the subject to
> have a General Class license but that just ain't the case.

I think the foundation for any HAM anywhere is found in the ARRL
handbook, and not necessarily the latest, but any written after about 1990.
Another learning aid is simply other HAMs, ask questions on the air,
on E-mail reflectors and join the nearest all service (not just a
repeater) HAM club. One that still gives tests and has code classes.
You won't learn anything on your first visit, but after a while a
subject will come up and you will interject a question and some kind
chap (or gal) will take the time to explain it to you and when you get
home, somethings in the ARRL handbook will make a lot more sense.
Luck helps but persistence always works in the end.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

31899. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 22:26:10 UTC
From: Richard Schmuke
Topic: 31890 Message: 31899

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don’t forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

31900. Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 22:35:22 UTC
From: enkitec@...
Topic: 31861 Message: 31900

Very strong here in southern Brasil.

Heard on 29.619MHz USB S9+10dB.

Mark Jordan PY3SS

On 04-Apr-14 17:44, radiomanl@... wrote:
>
> There is a strange signal on 29.621 than sounds like a distorted voice
> followed by a strange sounding CW and
> two tones that sound like a very out of tune guitar . no idea on what
> it is .
> 2034z 15:35 CDT .
>
> kd5pnt

31901. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 22:46:53 UTC
From: Kenneth G. Gordon
Topic: 31890 Message: 31901

On 4 Apr 2014 at 12:32, James "Jim" M. Geidl wrote:

> I'm sure this is some kind of heresy

No. Not so.

> but I just have terrible time understanding
> the ARRL Antenna Book.

Some of the stuff in there is pretty heavy...

> Can you guys suggest something different that I can read
> that will help me understand antennas?

Any ARRL Handbook 1990 or before.

> I know that I am supposed to have a
> complete understanding of the subject to have a General Class license but that
> just ain't the case.

Sheesh! I don't of a case where that IS true.

Carry on.

Ken W7EKB

>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

31902. ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 22:45:37 UTC
From: Robert Garland
Topic: 31902 Message: 31902

Any book not available in your local or county library system can usually be obtained through inter-library loan.

No matter what you are looking for, some library in the country is likely to have it.

As an example, I went looking for a book about the Shoals Marine Laboratory in my Pennsylvania library. The copy I got through ILL came from Connecticut.

Give your local librarians an opportunity to show you what they can do.

Most libraries will ILL a book that has been in print for 6 months or more.

For some special books, there may be a limitation that it can only be used in the receiving library, not checked out. I doubt that an ARRL book of any title would be subject to this limitation.

Robert NX3S

--

31903. Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 22:48:57 UTC
From: enkitec@...
Topic: 31861 Message: 31903

It seems to be a FM repeater.

Mark Jordan PY3SS

On 04-Apr-14 17:44, radiomanl@... wrote:
>
> There is a strange signal on 29.621 than sounds like a distorted voice
> followed by a strange sounding CW and
> two tones that sound like a very out of tune guitar . no idea on what
> it is .
> 2034z 15:35 CDT .
>
> kd5pnt

31904. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 23:13:45 UTC
From: Walt Wilson
Topic: 31861 Message: 31904

Early reports say it is Iranian Radar

From: enkitec@...
Sent: Friday, April 04, 2014 6:48 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It seems to be a FM repeater.

Mark Jordan PY3SS

On 04-Apr-14 17:44, radiomanl@... wrote:

There is a strange signal on 29.621 than sounds like a distorted voice followed by a strange sounding CW and
two tones that sound like a very out of tune guitar . no idea on what it is .
2034z 15:35 CDT .

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7297 - Release Date: 04/04/14

31905. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 23:41:03 UTC
From: MIKE DURKIN
Topic: 31861 Message: 31905

WOW .. if so .. makes for a really easy target to hit ...

any body can home in on it ..

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: WWILSON@triad.rr.com
Date: Fri, 4 Apr 2014 19:13:45 -0400
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Early reports say it is Iranian Radar

From: enkitec@...
Sent: Friday, April 04, 2014 6:48 PM
To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: strange beacon received on 10 m band
with very strong signal and 10mhz bandwidth

It seems to be a FM
repeater.

Mark Jordan PY3SS

On 04-Apr-14
17:44, radiomanl@... wrote:

There is a
strange signal on 29.621 than sounds like a distorted voice followed by a
strange sounding CW and
two tones that sound like a very out of tune
guitar . no idea on what it is .
2034z 15:35 CDT .

kd5pnt

No virus found in this
message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus
Database: 3722/7297 - Release Date:
04/04/14

31906. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-04 23:49:54 UTC
From: Walt Wilson
Topic: 31861 Message: 31906

Your planning on starting a war over a signal?

From: MIKE DURKIN
Sent: Friday, April 04, 2014 7:41 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

WOW .. if so .. makes for a really easy target to hit ...

any body can home in on it ..

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: WWILSON@...
Date: Fri, 4 Apr 2014 19:13:45 -0400
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Early reports say it is Iranian Radar

From: enkitec@...
Sent: Friday, April 04, 2014 6:48 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It seems to be a FM repeater.

Mark Jordan PY3SS

On 04-Apr-14 17:44, radiomanl@... wrote:

There is a strange signal on 29.621 than sounds like a distorted voice followed by a strange sounding CW and
two tones that sound like a very out of tune guitar . no idea on what it is .
2034z 15:35 CDT .

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7297 - Release Date: 04/04/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7297 - Release Date: 04/04/14

31907. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 00:03:45 UTC
From: James M. Geidl
Topic: 31902 Message: 31907

Robert,

Thanks, I have them looking already but they didn't sound very optimistic that it would be available while I was still young enough to read. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Robert Garland
Sent: Friday, April 04, 2014 3:46 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] ARRL Antenna Book

Any book not available in your local or county library system can usually be obtained through inter-library loan.

No matter what you are looking for, some library in the country is likely to have it.

As an example, I went looking for a book about the Shoals Marine Laboratory in my Pennsylvania library. The copy I got through ILL came from Connecticut.

Give your local librarians an opportunity to show you what they can do.

Most libraries will ILL a book that has been in print for 6 months or more.

For some special books, there may be a limitation that it can only be used in the receiving library, not checked out. I doubt that an ARRL book of any title would be subject to this limitation.

Robert NX3S

--

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Subscribe: ham-antennas-subscribe@yahoogroups.com
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List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

31908. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 00:06:08 UTC
From: Robert Garland
Topic: 31902 Message: 31908

After they determine that the book in question is not in the
readily-available collection, usually in the county or state union index,
the post to a system that is nationwide. Usually within a day or two,
they will know if the item is available, and whether it is currently
checked out to a borrower. If it is checked out, you'll have a wait, just
like in your local library.

Robert, NX3S

On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
> Robert,
>
> Thanks, I have them looking already but they didn't sound very optimistic
> that it would be available while I was still young enough to read. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Robert Garland
> Sent: Friday, April 04, 2014 3:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] ARRL Antenna Book
>
>
> Any book not available in your local or county library system can usually
> be
> obtained through inter-library loan.
>
> No matter what you are looking for, some library in the country is likely
> to
> have it.
>
> As an example, I went looking for a book about the Shoals Marine
> Laboratory
> in my Pennsylvania library. The copy I got through ILL came from
> Connecticut.
>
> Give your local librarians an opportunity to show you what they can do.
>
> Most libraries will ILL a book that has been in print for 6 months or

> more.
>
> For some special books, there may be a limitation that it can only be used
> in the receiving library, not checked out. I doubt that an ARRL book of
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>
> Robert NX3S
>
> --
>
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> ---
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>

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31909. strange beacon received on 10 m band with very strong signal

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 00:26:38 UTC
From: shubham vu3sxn
Topic: 31909 Message: 31909

we heard the Iranian Over The Horizon Radar
(OTHR).
it is confirmed -----

http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87

http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/

it is confirmed ,check the links above.

and check the video file which I made-

link - https://www.youtube.com/watch?v=Jn4_gh3rIk4

compare the two they are identical ,

73's

Vu3sxn

[Non-text portions of this message have been removed]

31910. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 00:58:04 UTC
From: Robert Garland
Topic: 31902 Message: 31910

Jim,

I just did a search on my local library web site using a tool they have called "Power Library" that lets me check all the libraries in Pennsylvania. That includes community and university libraries, so I get a list that includes simple books as well as engineering texts.

In the "consumer" class, check for books by Edward Noll and by Orr.

For heavy reading, try "Radio Engineering" by Frederick Emmons Termon (former provost of Stanford) and "Antennas" by John D. Kraus, W8JK of Ohio State University. John built the famous W8JK array and the "Kittoon". The Kittoon was a blimp-like antenna support for a vertical that stayed up like a kit in strong wind, and up like a balloon in no wind.

Although the math in both books is beyond me, some of the diagrams and bits and pieces of information are quite useful. For example, in one of these two books, there is a nice drawing of the patterns to be had from an array of two vertical antennas spaced at various distances and fed with different delays. Various lobed patterns, and even a cardioid pattern, useful for eliminating interference and great for direction finding are shown.

I also have on my own bookshelf Army tech manual TM 11-666 titled Antennas and Radio Propagation. It's old, but physics is the same today as in 1953. We just understand more today.

Good luck in your dig for knowledge.

Robert, NX3S

On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
> Robert,
>
> Thanks, I have them looking already but they didn't sound very optimistic
> that it would be available while I was still young enough to read. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Robert Garland
> Sent: Friday, April 04, 2014 3:46 PM

> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] ARRL Antenna Book
>
>
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>
> No matter what you are looking for, some library in the country is likely
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> in my Pennsylvania library. The copy I got through ILL came from
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> Give your local librarians an opportunity to show you what they can do.
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> Most libraries will ILL a book that has been in print for 6 months or
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> For some special books, there may be a limitation that it can only be used
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> Robert NX3S
>
> --
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> ----------
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31911. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 00:49:19 UTC
From: Brian Carling
Topic: 31861 Message: 31911

How does it have 10 milli hertz bandwidth?

Best regards - Bry Carling

> On Apr 4, 2014, at 6:35 PM, enkitec@... wrote:
>
>
> Very strong here in southern Brasil.
>
> Heard on 29.619MHz USB S9+10dB.
>
> Mark Jordan PY3SS
>
>
>
>> On 04-Apr-14 17:44, radiomanl@... wrote:
>> There is a strange signal on 29.621 than sounds like a distorted voice followed by a strange sounding CW and
>> two tones that sound like a very out of tune guitar . no idea on what it is .
>> 2034z 15:35 CDT .
>>
>> kd5pnt
>
>

31912. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 01:12:19 UTC
From: James M. Geidl
Topic: 31890 Message: 31912

Rich,

what happens to a fan dipole like you have if the individual wires are very very close to one another? I have a role of 8 conduction flat wire that I have been thinking about cutting individual wire are ever increasing lengths starting at about 10m but not fan them out.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Friday, April 04, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

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Yahoo Groups Links

31913. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 01:14:20 UTC
From: enkitec@...
Topic: 31861 Message: 31913

In 29.621 MHz as KD5PNT reported below?

On 04-Apr-14 20:13, Walt Wilson wrote:
>
> Early reports say it is Iranian Radar
> *From:* enkitec@... <mailto:enkitec@...>
> *Sent:* Friday, April 04, 2014 6:48 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Re: strange beacon received on 10 m band
> with very strong signal and 10mhz bandwidth
>
> It seems to be a FM repeater.
>
> Mark Jordan PY3SS
>
>
> On 04-Apr-14 17:44, radiomanl@... wrote:
>> There is a strange signal on 29.621 than sounds like a distorted
>> voice followed by a strange sounding CW and
>> two tones that sound like a very out of tune guitar . no idea on what
>> it is .
>> 2034z 15:35 CDT .
>>
>> kd5pnt
>

31914. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 01:29:54 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31890 Message: 31914

Fan dipoles need some 'spread' between the elements. I've got one up that starts off at "the connection" --- the 40 meter is the "top" element, then 20 is about 1 -2 feet down.. then the 10 meter element another foot below that. It's an inverted V optimized for the 20 meter world. (It's a bit off, impedance wise on 40 and on 10... 10 is a bit less than 90 degrees between the elements.. 10 is dead on.. 40 is a tad wide by 15-20 degrees. In an ideal world, they would start in the middle, and go straight out with the spacing constant.

Unfortunately, I live in an apartment with a VERY small space for the antenna It's a "shrunken 40" - so subopimal performance there.. works at best OK... Does great from 20 on up, however. (Worked Scotland on 10 meters 2 days ago.. FM on 10 watts... Thank goodness the KX3 has a great tuner!)

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: James M. Geidl <jim.geidl@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 9:12 PM
Subject: RE: [ham-antennas] Antenna book

Rich,

what happens to a fan dipole like you have if the individual wires are very very close to one another? I have a role of 8 conduction flat wire that I have been thinking about cutting individual wire are ever increasing lengths starting at about 10m but not fan them out.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Friday, April 04, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

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https://info.yahoo.com/legal/us/yahoo/utos/terms/

31915. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 01:39:51 UTC
From: Bill Blomgren (kk4qdz)
Topic: 31890 Message: 31915

Good.. that one has a lot more plans in it. The big problem: details left out on some of the plans.

I'm building a 20 meter 'c" (folded dipole) --- it's 40" side to side. Something like 17 feet tall, with a gap on one side (waiting for the hamfest in 2 weeks to get some insulators for that part...) -- so 2 spreaders, one connector.. some "plain" insulated wire..and a choke to keep common mode out of the house...

It looks like a big C, and is ground indepenent. (sort of like the mag loops)

For verticals, a simply J pole or slim jim. makes a good VHF antenna. (2 meters, 440)

Which band are you looking at needing an antenna for?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: James M. Geidl <jim.geidl@spinochio.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 5:01 PM
Subject: RE: [ham-antennas] Antenna book

I am talking about the classic Antenna Book.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Blomgren (kk4qdz)
Sent: Friday, April 04, 2014 1:00 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

Are you talking about the antenna design book (which is mostly about the 'x' shaped boxkite in its latest incarnation) -- or the regular Antenna book, which covers putting up towers and the like?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "James "Jim" M. Geidl" <jim.geidl@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 4, 2014 3:32 PM
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me

understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31916. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 02:25:42 UTC
From: MIKE DURKIN
Topic: 31861 Message: 31916

Me .. ahhh ...no.

If i fired a gun that way , and it landed on Iran .... id go buy a lottery ticket.

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: WWILSON@...
Date: Fri, 4 Apr 2014 19:49:54 -0400
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Your planning on starting a war over a signal?

From: MIKE DURKIN
Sent: Friday, April 04, 2014 7:41 PM
To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

WOW .. if so .. makes for a really easy target to hit
...

any body can home in on it ..

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: WWILSON@...
Date: Fri, 4
Apr 2014 19:13:45 -0400
Subject: Re: [ham-antennas] Re: strange beacon
received on 10 m band with very strong signal and 10mhz
bandwidth

Early reports say it is Iranian Radar

From: enkitec@...
Sent: Friday, April 04, 2014 6:48 PM
To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

It seems to be a FM
repeater.

Mark Jordan PY3SS

On 04-Apr-14
17:44, radiomanl@... wrote:

There is a strange signal
on 29.621 than sounds like a distorted voice followed by a strange sounding CW
and
two tones that sound like a very out of tune guitar . no idea on what
it is .
2034z 15:35 CDT .

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355
/ Virus Database: 3722/7297 - Release Date: 04/04/14

No virus found in this
message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus
Database: 3722/7297 - Release Date:
04/04/14

31917. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 03:23:54 UTC
From: Alex Netherton
Topic: 31890 Message: 31917

I seem to remember an article about using rotor wire to make a multi band dipole. Might work.
73 de KC4BO

Alex Netherton
Http://blueridgediscovery.org
Amateur call sign KC4BO

-------- Original message --------
From: "James M. Geidl" <jim.geidl@spinochio.com>
Date:04/04/2014 9:12 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Rich,

what happens to a fan dipole like you have if the individual wires are very very close to one another? I have a role of 8 conduction flat wire that I have been thinking about cutting individual wire are ever increasing lengths starting at about 10m but not fan them out.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Friday, April 04, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

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Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Antenna book

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Yahoo Groups Links

31918. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 03:58:38 UTC
From: Dave
Topic: 31890 Message: 31918

Hello Gents;

I think that was on the 5 wire flat rotor cable – I knew a fellow that did that once long ago – he didn’t like it very well and in the end he cut it in half and tied it to the base of his multiband vertical – Not sure how that worked either, Hi – 73 Dave / WØDR

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton
Sent: Friday, April 04, 2014 10:24 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

I seem to remember an article about using rotor wire to make a multi band dipole. Might work.

73 de KC4BO

Alex Netherton

Http://blueridgediscovery.org

Amateur call sign KC4BO

-------- Original message --------
From: "James M. Geidl"
Date:04/04/2014 9:12 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

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James "Jim" M. Geidl, K6JMG
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Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different

wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7302 - Release Date: 04/04/14

31919. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 04:12:35 UTC
From: Alex Netherton
Topic: 31909 Message: 31919

Just a rebirth of the Russian Woodpecker. Shame it is not on 27.025 or even 14.313!
Kc4bo
On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@...> wrote:

>
>
> we heard the Iranian Over The Horizon Radar
> (OTHR).
> it is confirmed -----
>
>
> http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87
>
> http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/
>
> it is confirmed ,check the links above.
>
>
> and check the video file which I made-
>
> link - https://www.youtube.com/watch?v=Jn4_gh3rIk4
>
> compare the two they are identical ,
>
> 73's
>
> Vu3sxn
>
> [Non-text portions of this message have been removed]
>
>
>

31920. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 04:15:58 UTC
From: <david.gillooly@...>
Topic: 31890 Message: 31920

Here is what one fell did.

http://www.hamuniverse.com/n4jte6bandribbon.html
http://www.hamuniverse.com/n4jte6bandribbon.html

I imagine that the antenna can be loaded, with or without a tuner, but what its pattern looks like might require some analysis by someone with modeling skills.

Dave, AA6RE

31921. RE: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 04:27:32 UTC
From: <vk6ro@...>
Topic: 31861 Message: 31921

gday from Perth

That will probably be KQ2H 29mhz FM repeater in the catskills

29.620 out 29.520 in

It has a "ding dong" sound at times maybe when it drops back to receive mode

Also a voice and cw ident

graham VK6RO

april 5 2014

31922. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 07:50:35 UTC
From: Adrian Flynn
Topic: 31902 Message: 31922

You can download a copy in your choice of format @
TM 11-666 Antennas And Radio Propagation
_https://archive.org/details/TM11-666 <https://archive.org/details/TM11-666>
72/73
Adrian KF7DYU

I also have on my own bookshelf Army tech manual TM 11-666 titled Antennas
and Radio Propagation. It's old, but physics is the same today as in
1953. We just understand more today.

Good luck in your dig for knowledge.

>
>
> Robert, NX3S
>
> On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
> > Robert,
> >
> > Thanks, I have them looking already but they didn't sound very optimistic
> > that it would be available while I was still young enough to read. :-)
> >
> >
> > James "Jim" M. Geidl, K6JMG
> > D.B. Cooper, you have a message.
> >
> >
> > -----Original Message-----
> > From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > On
> > Behalf Of Robert Garland
> > Sent: Friday, April 04, 2014 3:46 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: [ham-antennas] ARRL Antenna Book
> >
> >
> > Any book not available in your local or county library system can usually
> > be
> > obtained through inter-library loan.
> >
> > No matter what you are looking for, some library in the country is likely
> > to
> > have it.
> >
> > As an example, I went looking for a book about the Shoals Marine
> > Laboratory

> > in my Pennsylvania library. The copy I got through ILL came from
> > Connecticut.
> >
> > Give your local librarians an opportunity to show you what they can do.
> >
> > Most libraries will ILL a book that has been in print for 6 months or
> > more.
> >
> > For some special books, there may be a limitation that it can only be
> used
> > in the receiving library, not checked out. I doubt that an ARRL book of
> > any
> > title would be subject to this limitation.
> >
> > Robert NX3S
> >
> > --
> >
> >
> >
> >
> > ------------------------------------
> >
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> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
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> > Yahoo Groups Links
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31923. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 08:16:50 UTC
From: Todd F. Carney / K7TFC
Topic: 31902 Message: 31923

You know, if you just Google "ham antenna basics" you'll find lots of fabulous stuff for free and definitely written at beginner levels. Here's an example:

http://www.hamuniverse.com/n4jaantennabook.html

I love books, but I also love Google and the very useful stuff people put online.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Sat, Apr 5, 2014 at 12:50 AM, Adrian Flynn <ADRIANJAMESFLYNN@gmail.com>wrote:

>
>
> You can download a copy in your choice of format @
> TM 11-666 Antennas And Radio Propagation
> _https://archive.org/details/TM11-666<https://archive.org/details/TM11-666>
> 72/73
> Adrian KF7DYU
>
>
> I also have on my own bookshelf Army tech manual TM 11-666 titled Antennas
> and Radio Propagation. It's old, but physics is the same today as in
> 1953. We just understand more today.
>
> Good luck in your dig for knowledge.
>
>>
>>
>> Robert, NX3S
>>
>> On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
>> > Robert,
>> >
>> > Thanks, I have them looking already but they didn't sound very
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>> > that it would be available while I was still young enough to read. :-)
>> >
>> >
>> > James "Jim" M. Geidl, K6JMG
>> > D.B. Cooper, you have a message.
>> >
>> >
>> > -----Original Message-----
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>> > On
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>> > To: ham-antennas@yahoogroups.com
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>> > Most libraries will ILL a book that has been in print for 6 months or
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>> >
>> > For some special books, there may be a limitation that it can only be
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>> > in the receiving library, not checked out. I doubt that an ARRL book of
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>> > title would be subject to this limitation.
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>> > Robert NX3S
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>> > --
>> >
>> >
>> >
>> >

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31924. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 12:25:45 UTC
From: Richard Schmuke
Topic: 31890 Message: 31924

Alex and Jim, I have never tried it that close. I have seen sketches of the idea but never in real life. I do know you cannot start with the highest frequency (10 or 6M), lower frequency first. My spacing was about 2” between the wires. There is a lot of interaction so start with the 160 or 80 first. The longest can be by the book and you increase in frequency the wire will need to be longer than the book. You can start and adjust at a low level then adjust for best SWR for each band and raise it when done.

http://s1102.photobucket.com/user/KD0ZZ/media/DSC00947.jpg.html

I used 14ga copperweld for the 80M wire and regular copper for the rest, spacers are split PVC conduit. It has held up thru several ice storms and owners, (I gave it to a friend). If you work up a flat ribbon cable one let us know how it turns out. I tried a multiband cone vertical and because of the varying capacitance of the wire in a cone shape it did not work. I now use a delta loop with a homemade balun for most bands. Back on books, I make my own book. If I want to know about a J-Pole , Slim Jim or baluns I Google several articles, print then out , put them in a binder then build it and try it.

http://s1102.photobucket.com/user/KD0ZZ/media/Book2.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton

I seem to remember an article about using rotor wire to make a multi band dipole. Might work.

73 de KC4BO

Alex Netherton

Http://blueridgediscovery.org

Amateur call sign KC4BO

-------- Original message --------
From: "James M. Geidl"
Date:04/04/2014 9:12 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Rich,

what happens to a fan dipole like you have if the individual wires are very very close to one another? I have a role of 8 conduction flat wire that I have been thinking about cutting individual wire are ever increasing lengths starting at about 10m but not fan them out.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Friday, April 04, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

31925. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 12:36:26 UTC
From: Keith Heimbold
Topic: 31890 Message: 31925

Off topic from the fan dipole is a couple antennas that are fairly simple and require just a little soldering.

This one was pretty easy to make and was basically just follow the instructions.

http://www.iw5edi.com/wp-content/uploads/2012/12/InvertedL-160-80-40mG0CSK.pdf

The only thing I recommend is having an antenna analyzer to trim Wire lengths. It worked pretty well overall and would give you the lower bands. I eventually moved to quarter wave slopers for 80 & 160 and a k9ay receive antenna but that trapped inverted L got me initially on low bands for not a lot of effort.

Good luck!

Keith
AK6ZZ

31926. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 13:51:29 UTC
From: Joe - W7RKN
Topic: 31909 Message: 31926

Don't forget 3.975!

Joe - W7RKN
----- Original Message -----
From: Alex Netherton
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal

Just a rebirth of the Russian Woodpecker. Shame it is not on 27.025 or even 14.313!
Kc4bo

31927. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 13:58:33 UTC
From: Doug Pfaff
Topic: 31861 Message: 31927
Attachments: 2 described; binary payloads are missing from this source WARC

```
[ Attachment content not displayed ]
```

31928. Re: strange beacon received on 10 m band with very strong signal and

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 14:51:18 UTC
From: WE8ST
Topic: 31928 Message: 31928

Just echoing what everyone else has been saying. Decided to get up today and see if I could hear it. Sure enough. Nice and strong. Seems to be the loudest on 28.850 here in NW Ohio. Can hear it on most modes and is pretty wide signal. Can hear it in varying degrees going down to around 28.800 ish and up to around 29.000 or so. Also seems to come and go in intensity on the different frequencies at different times. Will likely keep an eye it.

73, Chris WE8ST

Sent from my iPhone

31929. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 15:22:06 UTC
From: Joe - W7RKN
Topic: 31928 Message: 31929

Strange signal...I DO have it in Reno, Nevada at 1520Z. it started at 28.998 and is now down to 28.600, and still moving downward in the band.....

Joe - W7RKN

----- Original Message -----
From: "WE8ST" <we8st@...>
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and

> Just echoing what everyone else has been saying. Decided to get up today
> and see if I could hear it. Sure enough. Nice and strong. Seems to be the
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> wide signal. Can hear it in varying degrees going down to around 28.800
> ish and up to around 29.000 or so. Also seems to come and go in intensity
> on the different frequencies at different times. Will likely keep an eye
> it.

31930. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 16:06:31 UTC
From: Original Woodchuck
Topic: 31902 Message: 31930

On Fri, Apr 04, 2014 at 10:45:37PM -0000, Robert Garland wrote:
>
> Any book not available in your local or county library system can usually
> be obtained through inter-library loan.
>
> No matter what you are looking for, some library in the country is likely
> to have it.
>
> As an example, I went looking for a book about the Shoals Marine
> Laboratory in my Pennsylvania library. The copy I got through ILL came
> from Connecticut.

As a citizen of Pennsylvania, you can get privileges at any Penn State University library, branch or main. This works great for journals and so on. Similar deals may apply in other states. You might be able to view journals and so on *online*, once you have a card. You might find you can access non-PSU online collections, too. You can search nationwide, too.

A research library is a wonderful thing. Research librarians are great people.

> Give your local librarians an opportunity to show you what they can do.

I have had mixed experiences with small libraries, but it's worth a shot. Be prepared to wait weeks. (USPS). Penn State, I believe, satisfies in-system ILL nearly overnight. I think they have their own couriers.

Dave AB3NR

31931. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 15:38:58 UTC
From: Brian Carling
Topic: 31890 Message: 31931

Rich,
What size is your delta loop? Is the Balun 4:1?

I guess you feed it with coax and then a tuner in the shack? Sounds appealing as a multiband antenna...

Best regards - Bry Carling AF4K

> On Apr 5, 2014, at 8:25 AM, "Richard Schmuke" <rdj@...> wrote:
>
> Alex and Jim, I have never tried it that close. I have seen sketches of the idea but never in real life. I do know you cannot start with the highest frequency (10 or 6M), lower frequency first. My spacing was about 2” between the wires. There is a lot of interaction so start with the 160 or 80 first. The longest can be by the book and you increase in frequency the wire will need to be longer than the book. You can start and adjust at a low level then adjust for best SWR for each band and raise it when done.
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> I used 14ga copperweld for the 80M wire and regular copper for the rest, spacers are split PVC conduit. It has held up thru several ice storms and owners, (I gave it to a friend). If you work up a flat ribbon cable one let us know how it turns out. I tried a multiband cone vertical and because of the varying capacitance of the wire in a cone shape it did not work. I now use a delta loop with a homemade balun for most bands. Back on books, I make my own book. If I want to know about a J-Pole , Slim Jim or baluns I Google several articles, print then out , put them in a binder then build it and try it.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Book2.jpg.html
>
>
>
>
>
> Rich, Kd0zz
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton
>
>
>
>
> I seem to remember an article about using rotor wire to make a multi band dipole. Might work.
>

> 73 de KC4BO
>
>
>
>
>
> Alex Netherton
>
> Http://blueridgediscovery.org
>
> Amateur call sign KC4BO
>
>
>
> -------- Original message --------
> From: "James M. Geidl"
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> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Antenna book
>
>
>
> Rich,
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> what happens to a fan dipole like you have if the individual wires are very
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> James "Jim" M. Geidl, K6JMG
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> Rich , kd0zz
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On
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> I'm sure this is some kind of heresy but I just have terrible time
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> Thanks,
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> Jim, K6JMG
> --
> Jim, K6JMG
>
> [Non-text portions of this message have been removed]
>
> ---
>
>
>

31932. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 16:27:00 UTC
From: James "Jim" M. Geidl
Topic: 31890 Message: 31932

That's sort of the idea.

Join, K6JMG

On April 4, 2014 8:23:54 PM PDT, Alex Netherton <anetherton@...> wrote:
>I seem to remember an article about using rotor wire to make a multi
>band dipole. Might work.
>73 de KC4BO
>
>
>Alex Netherton
>Http://blueridgediscovery.org
>Amateur call sign KC4BO
>
>-------- Original message --------
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>Date:04/04/2014 9:12 PM (GMT-05:00)
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>electrical background but I like to build things. Once I make something

>I
>don't forget it. Start with a simple dipole, then a 2M vertical,
>different
>wire antennas are simple, a few scrap parts and you can put together a
>gama
>matched 2M beam. I made all of these before I even bought a analyzer. I
>build most of my antennas and baluns. Hands on helps me more. Just do a
>Google search on KD0ZZ and you will see several of my hits and misses
>in
>Photobucket. My 5 band dipole was a great hit, the 5 band vertical a
>complete miss.
>
>Rich , kd0zz
>
>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On
>Behalf Of James "Jim" M. Geidl
>Sent: Friday, April 04, 2014 2:33 PM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Antenna book
>
>I'm sure this is some kind of heresy but I just have terrible time
>understanding the ARRL Antenna Book. Can you guys suggest something
>different that I can read that will help me understand antennas? I know
>that
>I am supposed to have a complete understanding of the subject to have a
>General Class license but that just ain't the case.
>
>Thanks,
>
>Jim, K6JMG
>--
>Jim, K6JMG
>
>[Non-text portions of this message have been removed]
>
>-----
>
>HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>go
>to ALL 3336 members (as of 02/16/13). and attachments are NOT
>permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
>cause
>for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>Yahoo Groups Links

James "Jim" M. Geidl

Sent from my pocket.

31933. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 16:41:14 UTC
From: Richard Schmuke
Topic: 31890 Message: 31933

Rich,

What size is your delta loop? Is the Balun 4:1?

I guess you feed it with coax and then a tuner in the shack? Sounds appealing as a multiband antenna...

Best regards - Bry Carling AF4K

Brian , my loop was installed as a 80M size loop because of my small back yard, I am thinking about a 160 size but will have to run it thru some trees. I have enough property just too many trees. I trimmed it to a low SWR in the middle of the 20M phone band, with a 4:1 Guanella current balun at the feed point. The antenna needs a touch with a tuner for 17M , 80M and 30M. I don’t normally use it on 80 because I have a 160/80 fan dipole fed with 450 LL. Below is a chart from my book showing how one delta loop can work several bands. It has good gain on the higher bands. When you look at 10M you have as much wire as 16 regular dipoles and when resonate it works fine.

Loop Dimensions

14.2 Loop

X

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

1005/F MHz

70.770

2

141.540

4

3.5

3

2.5

2

1

0.5

70.770

3

212.310

6

5.3

4.5

3.8

3

1.5

0.8

70.770

4

283.080

8X

7X

6X

5X

4X

2X

1X

70.770

5

353.850

10

8.8

7.5

6.4

5

2.5

1.3

70.770

6

424.620

12

10.6

9

7.6

6

3

1.6

70.770

7

495.390

14

12.3

11

8.9

7

3.5

1.8

70.770

8

566.160

16X

14X

12X

10X

8X

4X

2X

1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if

the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match

the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed

on the 7 bands shown

31934. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 16:47:12 UTC
From: <david.gillooly@...>
Topic: 31902 Message: 31934

BTW that Army antenna book recommended has a nice explanation and pictures showing how direction finding loops work. Thanks!!

Dave, AA6RE

31935. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 16:59:20 UTC
From: Richard Schmuke
Topic: 31902 Message: 31935

Robert, NX3S

On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
> Robert,
>
> Thanks, I have them looking already but they didn't sound very optimistic
that it would be available while I was still young enough to read. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.

I am still young enough to read , just too old to remember J

Rich, Kd0zz

>
>

31936. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 17:52:44 UTC
From: Dale Miller
Topic: 31902 Message: 31936

On 4/5/2014 11:47 AM, david.gillooly@... wrote:
>
>
> BTW that Army antenna book recommended has a nice explanation and
> pictures showing how direction finding loops work. Thanks!!
>
> Dave, AA6RE
>

Is that FM 11-64 Transmission Lines, Wave Propagation, and Antennas?

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

31937. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 18:41:53 UTC
From: Alex Netherton
Topic: 31890 Message: 31937

I have a dipole I built out of a sheet of Plexiglas of about 3x8 or something like that. I made a strip of 10 ga wire along each edge, with a tiny loop for connection for 20, 17, 15, 12, 10 and 6. I spaced the loops about an inch apart, and soldered the corresponding bands on them, letting them swing, tying them to the wire above with carpenter's twine. Stretched between two trees, and made sure the wires did not touch or cross, and started tuning by checking each band at the bottom and top of each band, and tuning accordingly. 20 meters is 1.2:1, but some of the others got messed up from wind, and I need to work on them.

A good way to do it is to take a small mobile rig (I have an Icom IC-7000), get in a car with the mobile rig, lower the antenna to your reach, start tuning. When finished, put the feedline into the shack. Or, use an antenna analyzer (I don't have one).
73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sat, Apr 5, 2014 at 12:41 PM, Richard Schmuke <rdj@...> wrote:

>
>
>
>
>
>
>
>
> Rich,
>
> What size is your delta loop? Is the Balun 4:1?
>
>
>
> I guess you feed it with coax and then a tuner in the shack? Sounds
> appealing as a multiband antenna...
>
> Best regards - Bry Carling AF4K
>
>
>
>
>
>
> Brian , my loop was installed as a 80M size loop because of my small back

> yard, I am thinking about a 160 size but will have to run it thru some
> trees. I have enough property just too many trees. I trimmed it to a low
> SWR in the middle of the 20M phone band, with a 4:1 Guanella current balun
> at the feed point. The antenna needs a touch with a tuner for 17M , 80M and
> 30M. I don't normally use it on 80 because I have a 160/80 fan dipole fed
> with 450 LL. Below is a chart from my book showing how one delta loop can
> work several bands. It has good gain on the higher bands. When you look at
> 10M you have as much wire as 16 regular dipoles and when resonate it works
> fine.
>
> Loop Dimensions
>
> 14.2 Loop
>
> X
>
> Overall Length Ft
>
> 10M
>
> 12M
>
> 15M
>
> 17M
>
> 20M
>
> 40M
>
> 80M
>
> 1005/F MHz
>
> 70.770
>
> 2
>
> 141.540
>
> 4
>
> 3.5
>
> 3
>
> 2.5
>
> 2
>

```
> 1
>
> 0.5
>
> 70.770
>
> 3
>
> 212.310
>
> 6
>
> 5.3
>
> 4.5
>
> 3.8
>
> 3
>
> 1.5
>
> 0.8
>
> 70.770
>
> 4
>
> 283.080
>
> 8X
>
> 7X
>
> 6X
>
> 5X
>
> 4X
>
> 2X
>
> 1X
>
> 70.770
>
> 5
>
> 353.850
>
```

```
> 10
>
> 8.8
>
> 7.5
>
> 6.4
>
> 5
>
> 2.5
>
> 1.3
>
> 70.770
>
> 6
>
> 424.620
>
> 12
>
> 10.6
>
> 9
>
> 7.6
>
> 6
>
> 3
>
> 1.6
>
> 70.770
>
> 7
>
> 495.390
>
> 14
>
> 12.3
>
> 11
>
> 8.9
>
> 7
>
```

> 3.5
>
> 1.8
>
> 70.770
>
> 8
>
> 566.160
>
> 16X
>
> 14X
>
> 12X
>
> 10X
>
> 8X
>
> 4X
>
> 2X
>
> 1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm
>
> 2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1
> Balun if
>
> the overall length of the loop is a multiple of the length at that
> frequency
>
> Even Multipliers will make it a resonate antenna, A 4X and 8X loop will
> match
>
> the most bands when used with a 4:1 Balun
>
> With the correct resonate length of the antenna no tuner adjustment is
> needed
>
> on the 7 bands shown
>
>
>
>
>
>
>

31938. Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 23:11:20 UTC
From: <k9jfk@...>
Topic: 31890 Message: 31938

HI Jim...
Antennas are an acquired taste. Once you know the basics it is not necessary to know everything about the subject... that would take a lifetime. There are some good "general" books that will you start down a good path about technical subjects; produced by the government for training our military people, many are in the public domain and online.

For the Marine Antenna Handbook
http://www.zerobeat.net/r3403c.pdf http://www.zerobeat.net/r3403c.pdf

There are other books online, but that one will give you a good foundation without asking you to break new frontiers in physics.

73, Jimmie, K9JFK

---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31939. Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-05 23:25:59 UTC
From: radiomanL
Topic: 31939 Message: 31939

yes I tried the opposite sideband and switched to AM and FM and tuned around to see if it was on a slightly different frequency . nothing changed so I am thinking it may be a new digital signal like Dstar or something . not have any experience with digital I have no idea if it can even be heard on a FT950 . would not think so but I have been fooled before .

kd5pnt

31940. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 01:18:21 UTC
From: Walt Wilson
Topic: 31939 Message: 31940

What part of the ARRL announcement about this being Iranian Radar don’t you get?

From: radiomanL
Sent: Saturday, April 05, 2014 7:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

yes I tried the opposite sideband and switched to AM and FM and tuned around to see if it was on a slightly different frequency . nothing changed so I am thinking it may be a new digital signal like Dstar or something . not have any experience with digital I have no idea if it can even be heard on a FT950 . would not think so but I have been fooled before .

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7304 - Release Date: 04/05/14

31941. moderator please

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 02:31:10 UTC
From: dale cole
Topic: 31941 Message: 31941

please reply to dalecole3502@...
TIA
Dale Cole K8TS

31942. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:17:05 UTC
From: <w5nra@...>
Topic: 31939 Message: 31942

What part of "Don't be an arsehole when answering questions" don't YOU get?

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it. But I DID see your rude answer.

Sincerely,
Terry, w5nra

---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :

What part of the ARRL announcement about this being Iranian Radar don’t you get?

From: radiomanL mailto:radiomanl@...
Sent: Saturday, April 05, 2014 7:25 PM
To: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

yes I tried the opposite sideband and switched to AM and FM and tuned around to see if it was on a slightly different frequency . nothing changed so I am thinking it may be a new digital signal like Dstar or something . not have any experience with digital I have no idea if it can even be heard on a FT950 . would not think so but I have been fooled before .

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com http://www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7304 - Release Date: 04/05/14

31943. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:27:44 UTC
From: Joe - W7RKN
Topic: 31939 Message: 31943

Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@...
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.

31944. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:37:26 UTC
From: Walt Wilson
Topic: 31939 Message: 31944

Selective reading? There are many things I could say to describe your intervention, but I choose not to lower myself to that level. My point is, if you wish to be informed, read the posts and or emails on the topic
From: w5nra@...
Sent: Sunday, April 06, 2014 11:17 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

What part of "Don't be an arsehole when answering questions" don't YOU get?

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it. But I DID see your rude answer.

Sincerely,
Terry, w5nra

---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :

What part of the ARRL announcement about this being Iranian Radar don’t you get?

From: radiomanL
Sent: Saturday, April 05, 2014 7:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

yes I tried the opposite sideband and switched to AM and FM and tuned around to see if it was on a slightly different frequency . nothing changed so I am thinking it may be a new digital signal like Dstar or something . not have any experience with digital I have no idea if it can even be heard on a FT950 . would not think so but I have been fooled before .

kd5pnt
No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7304 - Release Date: 04/05/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31945. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:38:02 UTC
From: Walt Wilson
Topic: 31939 Message: 31945

Yup, see the previous email comments

From: Joe - W7RKN
Sent: Sunday, April 06, 2014 11:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

□

Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@...
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31946. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:44:33 UTC
From: Walt Wilson
Topic: 31939 Message: 31946

For those who missed it, here is but one of the emails on the subject, since you think because I do read I am an areshole
“
On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@...> wrote:

we heard the Iranian Over The Horizon Radar
(OTHR).
it is confirmed -----

http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87

http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/

it is confirmed ,check the links above.

and check the video file which I made-

From: Joe - W7RKN
Sent: Sunday, April 06, 2014 11:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

□

Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@hotmail.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31947. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 15:49:52 UTC
From: Walt Wilson
Topic: 31861 Message: 31947

Here is the first report I read on the matter. if you wish to complain or call someone as not being truthful I suggest you contact this person

From: Dobie Hoffman
Sent: Friday, April 04, 2014 12:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

According to the ARRL it is Iranian Radar.
Complaits have been filed against them through other oganizations as well as the ARRL.

Dobie KK4MGK

On Fri, Apr 4, 2014 at 11:36 AM, Roland Brade <rolandbrade@...> wrote:

Here in the UK at 15:35 UTC, it is about S2 at the moment and looks your waterfall

Roley G3VIR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of enkitec@...
Sent: 03 April 2014 19:37
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very

strong signal and 10mhz bandwidth

Hearing now, just at the noise level, using a 40m delta loop.

See the waterfall generated by JT65-HF.

73,
Mark Jordan PY3SS

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7297 - Release Date: 04/04/14

31948. Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 16:06:30 UTC
From: Walt Wilson
Topic: 31861 Message: 31948

What? No snappy reply? No name calling?

From: Walt Wilson
Sent: Sunday, April 06, 2014 11:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

Here is the first report I read on the matter. if you wish to complain or call someone as not being truthful I suggest you contact this person

From: Dobie Hoffman
Sent: Friday, April 04, 2014 12:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very strong signal and 10mhz bandwidth

According to the ARRL it is Iranian Radar.
Complaits have been filed against them through other oganizations as well as the ARRL.

Dobie KK4MGK

On Fri, Apr 4, 2014 at 11:36 AM, Roland Brade <rolandbrade@...> wrote:

Here in the UK at 15:35 UTC, it is about S2 at the moment and looks your
waterfall

Roley G3VIR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On

Behalf Of enkitec@gmail.com
Sent: 03 April 2014 19:37
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] strange beacon received on 10 m band with very

strong signal and 10mhz bandwidth

Hearing now, just at the noise level, using a 40m delta loop.

See the waterfall generated by JT65-HF.

73,
Mark Jordan PY3SS

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7297 - Release Date: 04/04/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31949. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 16:09:02 UTC
From: Brian Carling
Topic: 31939 Message: 31949

Which is more annoying? The Iranian radar on 10m, the frequency squirter QRMing randomly all over 30m, or the minor irritation of a fellow ham misunderstanding or over-reacting? I would submit that the QRMers are much more annoying than we are!

Best regards - Bry Carling

> On Apr 6, 2014, at 11:44 AM, "Walt Wilson" <WWILSON@...> wrote:
>
> For those who missed it, here is but one of the emails on the subject, since you think because I do read I am an areshole
> “
>> On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@...> wrote:
>>
>> we heard the Iranian Over The Horizon Radar
>> (OTHR).
>> it is confirmed -----
>>
>> http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87
>>
>> http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/
>>
>> it is confirmed ,check the links above.
>>
>>
>> and check the video file which I made-
>
> From: Joe - W7RKN
> Sent: Sunday, April 06, 2014 11:27 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland
>
>
> □
>
> Yup...I didn't see the IRAN radar bit either....
>
> Joe - W7RKN
> ----- Original Message -----
> From: w5nra@...
> Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland
>
> Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.

> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14
>
>

31950. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signal and

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 16:15:01 UTC
From: Walt Wilson
Topic: 31939 Message: 31950

Agreed, end of subject

From: Brian Carling
Sent: Sunday, April 06, 2014 12:09 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Which is more annoying? The Iranian radar on 10m, the frequency squirter QRMing randomly all over 30m, or the minor irritation of a fellow ham misunderstanding or over-reacting? I would submit that the QRMers are much more annoying than we are!

Best regards - Bry Carling

On Apr 6, 2014, at 11:44 AM, "Walt Wilson" <WWILSON@...> wrote:

For those who missed it, here is but one of the emails on the subject, since you think because I do read I am an areshole
"
On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@...> wrote:

we heard the Iranian Over The Horizon Radar
(OTHR).
it is confirmed -----

http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87

http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/

it is confirmed ,check the links above.

and check the video file which I made-

From: Joe - W7RKN
Sent: Sunday, April 06, 2014 11:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

□

Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@...

Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.
No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31951. Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 18:32:21 UTC
From: <email4utoo@...>
Topic: 31951 Message: 31951

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

31952. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 19:29:36 UTC
From: Kevin Kleinfelter
Topic: 31951 Message: 31952

I presume you'd prefer not to carry an ATU (although a QRP ATU doesn't weigh a whole lot). The "EFT-10/20/40 Trail-Friendly" from LNR is pretty convenient.

Personally, I use the EARCHI 20m EHFW for 20 meters (hung vertically). I use the same radiator for 40m, and replace the matching transformer with a BNC-to-binding post adapter and add 1 or 2 radials. It takes about 1 minute to switch from 20m to 40m, and most of that is the huffing and puffing I do to stand up and sit back down.

I do have an ATU, so I use a 33' wire, hung vertically for everything when operating backpack-portable. On 20m, I add the EARCHI matchbox for an EFHW. On 40m, I add radials and lose the matchbox for a 40m vertical. On 17m or 30m, I drive it as a non-resonant end-fed, and let the ATU sort it out. It is adequate to reach Washington (state) and Finland using SSB from north Georgia (but the other guys are doing the heavy lifting, with excellent beams).

Some people like to hang such a wire from the trees. I use a carbon fiber fishing pole, which I can guy in about 10 minutes, or bungee to a tree stump in a few less. I tried hanging it. Sometimes I could do it in 5 minutes; other times it took a half hour or longer. I decided that I wanted something I could count on. CF poles are available from AllFishingBuys. Yeah, carbon is somewhat conductive. I can't tell a difference between signal reports using carbon vs fiberglass, and CF is much lighter.

Whether or not you intend to participate in SOTA (I do), the nasota (North American SOTA) mailing list is full of people who do *lots* of backpack-portable QRP. End-fed or a dipole (possibly a linked dipole) seem to be the most popular HF antennas there.
73 DE K4KPK / Kevin

On Sun, Apr 6, 2014 at 2:32 PM, <email4utoo@...> wrote:

>
>
> Howdy, looking for wire antenna designs that are light weight to put in my
> Backpack, (keep laughing i am 61 with larger pants than i want to share ,
> or maybe they are big enough to share ! lol,hihi) , Ok going to run my
> 3-5watts output into it, on 80-10, but even single banders will be good, or
> ones i can plug together . Next i need designs for 200watts , i am planning
> to build a SState linear amp for boosting if needed , and i do not want to
> get of topic but if you have any good ideas on that , would also be
> appreciated. Yes you can recommend articles or books you know have what i

> need for this application. I thank you for taking time to help me in my
> Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
>

31953. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 21:27:14 UTC
From: Mel Farrer
Topic: 31951 Message: 31953

Hi AJ,

Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.

Mel, K6KBE

On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <email4utoo@...> wrote:

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

31954. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 21:42:09 UTC
From: Richard Solomon
Topic: 31951 Message: 31954

Where is your files section ? A Google on your Call came up empty.

73, Dick, W1KSZ

On Sun, Apr 6, 2014 at 2:27 PM, Mel Farrer <farrerfolks@...m> wrote:

>
>
> Hi AJ,
>
> Look at my file section for the portable OCF 80-10 M dipole. Only needs to
> be 15 to 17 feet AGL.
>
> Mel, K6KBE
>
>
> On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <
> email4utoo@yahoo.com> wrote:
>
> Howdy, looking for wire antenna designs that are light weight to put in
> my Backpack, (keep laughing i am 61 with larger pants than i want to share
> , or maybe they are big enough to share ! lol,hihi) , Ok going to run my
> 3-5watts output into it, on 80-10, but even single banders will be good, or
> ones i can plug together . Next i need designs for 200watts , i am planning
> to build a SState linear amp for boosting if needed , and i do not want to
> get of topic but if you have any good ideas on that , would also be
> appreciated. Yes you can recommend articles or books you know have what i
> need for this application. I thank you for taking time to help me in my
> Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
>
>
>

31955. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 22:05:27 UTC
From: Mel Farrer
Topic: 31951 Message: 31955

Sorry about that, it is in the antennas files under my call sign. K6KBE. I just checked and it is there. Title is:

Here is the data on the OCF dipole.doc

Mel, K6KBE

On Sunday, April 6, 2014 2:42 PM, Richard Solomon <dickw1ksz@...> wrote:

Where is your files section ? A Google on your Call came up empty.

73, Dick, W1KSZ

On Sun, Apr 6, 2014 at 2:27 PM, Mel Farrer <farrerfolks@...> wrote:

>
>Hi AJ,
>
>Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.
>
>Mel, K6KBE
>
>
>
>
>On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <email4utoo@...> wrote:
>
>
>Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
>

31956. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 23:32:13 UTC
From: James M. Geidl
Topic: 31902 Message: 31956

Todd,

That is sort of what I have been doing for the last 7 years. I am looking for something a little more structured.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Todd F. Carney / K7TFC
Sent: Saturday, April 05, 2014 1:17 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] ARRL Antenna Book

You know, if you just Google "ham antenna basics" you'll find lots of fabulous stuff for free and definitely written at beginner levels. Here's an example:

http://www.hamuniverse.com/n4jaantennabook.html

I love books, but I also love Google and the very useful stuff people put online.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Sat, Apr 5, 2014 at 12:50 AM, Adrian Flynn <ADRIANJAMESFLYNN@...> wrote:

You can download a copy in your choice of format @
TM 11-666 Antennas <https://archive.org/details/TM11-666> And Radio Propagation _https://archive.org/details/TM11-666
72/73
Adrian KF7DYU

I also have on my own bookshelf Army tech manual TM 11-666 titled Antennas and Radio Propagation. It's old, but physics is the same today as in 1953. We just understand more today.

Good luck in your dig for knowledge.

Robert, NX3S

On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:

> Robert,
>
> Thanks, I have them looking already but they didn't sound very optimistic
> that it would be available while I was still young enough to read. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
> -----Original Message-----
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Robert Garland
> Sent: Friday, April 04, 2014 3:46 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] ARRL Antenna Book
>
>
> Any book not available in your local or county library system can usually
> be
> obtained through inter-library loan.
>
> No matter what you are looking for, some library in the country is likely
> to
> have it.
>
> As an example, I went looking for a book about the Shoals Marine
> Laboratory
> in my Pennsylvania library. The copy I got through ILL came from
> Connecticut.
>
> Give your local librarians an opportunity to show you what they can do.
>
> Most libraries will ILL a book that has been in print for 6 months or
> more.
>
> For some special books, there may be a limitation that it can only be used
> in the receiving library, not checked out. I doubt that an ARRL book of
> any
> title would be subject to this limitation.
>

> Robert NX3S
>
> --
>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause
> for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>

--

31957. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 23:33:39 UTC
From: James M. Geidl
Topic: 31890 Message: 31957

I'll let everyone know as I progress

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Saturday, April 05, 2014 5:26 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Alex and Jim, I have never tried it that close. I have seen sketches of the idea but never in real life. I do know you cannot start with the highest frequency (10 or 6M), lower frequency first. My spacing was about 2" between the wires. There is a lot of interaction so start with the 160 or 80 first. The longest can be by the book and you increase in frequency the wire will need to be longer than the book. You can start and adjust at a low level then adjust for best SWR for each band and raise it when done.

http://s1102.photobucket.com/user/KD0ZZ/media/DSC00947.jpg.html

I used 14ga copperweld for the 80M wire and regular copper for the rest, spacers are split PVC conduit. It has held up thru several ice storms and owners, (I gave it to a friend). If you work up a flat ribbon cable one let us know how it turns out. I tried a multiband cone vertical and because of the varying capacitance of the wire in a cone shape it did not work. I now use a delta loop with a homemade balun for most bands. Back on books, I make my own book. If I want to know about a J-Pole , Slim Jim or baluns I Google several articles, print then out , put them in a binder then build it and try it.

http://s1102.photobucket.com/user/KD0ZZ/media/Book2.jpg.html

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton

I seem to remember an article about using rotor wire to make a multi band dipole. Might work.

73 de KC4BO

Alex Netherton

Http://blueridgediscovery.org

Amateur call sign KC4BO

-------- Original message --------
From: "James M. Geidl"
Date:04/04/2014 9:12 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Rich,

what happens to a fan dipole like you have if the individual wires are very very close to one another? I have a role of 8 conduction flat wire that I have been thinking about cutting individual wire are ever increasing lengths starting at about 10m but not fan them out.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Friday, April 04, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Jim, the ARRL antenna book can be a little heavy reading at times. I have no electrical background but I like to build things. Once I make something I don't forget it. Start with a simple dipole, then a 2M vertical, different wire antennas are simple, a few scrap parts and you can put together a gama matched 2M beam. I made all of these before I even bought a analyzer. I build most of my antennas and baluns. Hands on helps me more. Just do a Google search on KD0ZZ and you will see several of my hits and misses in Photobucket. My 5 band dipole was a great hit, the 5 band vertical a complete miss.

Rich , kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James "Jim" M. Geidl
Sent: Friday, April 04, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna book

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

[Non-text portions of this message have been removed]

31958. RE: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 23:34:50 UTC
From: James M. Geidl
Topic: 31902 Message: 31958

AHhhh, maybe that's it!

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Saturday, April 05, 2014 9:59 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] ARRL Antenna Book

Robert, NX3S

On Sat, April 5, 2014 12:03 am, James M. Geidl wrote:
> Robert,
>
> Thanks, I have them looking already but they didn't sound very optimistic that it would be available while I was still young enough to read. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.

I am still young enough to read , just too old to remember J

Rich, Kd0zz

>
>

31959. RE: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-06 23:36:52 UTC
From: James M. Geidl
Topic: 31890 Message: 31959

I'll look into this. Nicest part is that I can haul it around on my computer

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of k9jfk@...
Sent: Saturday, April 05, 2014 4:11 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Antenna book

HI Jim...
Antennas are an acquired taste. Once you know the basics it is not necessary to know everything about the subject... that would take a lifetime. There are some good "general" books that will you start down a good path about technical subjects; produced by the government for training our military people, many are in the public domain and online.

For the Marine Antenna Handbook
http://www.zerobeat.net/r3403c.pdf

There are other books online, but that one will give you a good foundation without asking you to break new frontiers in physics.

73, Jimmie, K9JFK

---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

31960. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 01:47:39 UTC
From: Alex Netherton
Topic: 31951 Message: 31960

You can make a dipole with mini-coax such as RG-174 and use 20 ga wire, just be careful of such fine wire tangling. A dipole can be made for each band you are going to work, and they will only weigh a few ounces. Dipole length can be figured with the old formula of 234/f in mhz. For each leg, 123/f in mhz. I am sure you have made them in the past, but many SOTA types use dipoles such as this. I might use a RCA connector as the old Heathkits did, and put an adapter on the back of the radio and make the antennas even lighter.

Some use a wire and a tuner, but to each his own.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 6, 2014 at 5:27 PM, Mel Farrer <farrerfolks@...> wrote:

>
>
> Hi AJ,
>
> Look at my file section for the portable OCF 80-10 M dipole. Only needs to
> be 15 to 17 feet AGL.
>
> Mel, K6KBE
>
> On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <
> email4utoo@...> wrote:
>
> Howdy, looking for wire antenna designs that are light weight to put in
> my Backpack, (keep laughing i am 61 with larger pants than i want to share
> , or maybe they are big enough to share ! lol,hihi) , Ok going to run my
> 3-5watts output into it, on 80-10, but even single banders will be good, or
> ones i can plug together . Next i need designs for 200watts , i am planning
> to build a SState linear amp for boosting if needed , and i do not want to
> get of topic but if you have any good ideas on that , would also be
> appreciated. Yes you can recommend articles or books you know have what i
> need for this application. I thank you for taking time to help me in my
> Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
>
>
>

31961. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 04:03:21 UTC
From: Alex Netherton
Topic: 31939 Message: 31961

Hey, temper, temper!

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 6, 2014 at 11:17 AM, <w5nra@...> wrote:

>
>
> What part of "Don't be an arsehole when answering questions" don't YOU get?
>
> Maybe he didn't see the post about an ARRL announcement! I know I didn't
> see it. But I DID see your rude answer.
>
> Sincerely,
> Terry, w5nra
>
>
> ---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :
>
> What part of the ARRL announcement about this being Iranian Radar don't
> you get?
>
> *From:* radiomanL <radiomanl@...>
> *Sent:* Saturday, April 05, 2014 7:25 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Re: strange beacon received on 10 m band with
> very strong signaland
>
>
>
> yes I tried the opposite sideband and switched to AM and FM and tuned
> around to see if it was on a slightly different frequency . nothing changed
> so I am thinking it may be a new digital signal like Dstar or something .
> not have any experience with digital I have no idea if it can even be heard
> on a FT950 . would not think so but I have been fooled before .
>
> kd5pnt
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4355 / Virus Database: 3722/7304 - Release Date: 04/05/14
>
>

>

31962. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 04:50:19 UTC
From: <w5nra@...>
Topic: 31939 Message: 31962

My comment had nothing to do with the fact that there was in fact an email that stated information about the beacon. Nor the fact that you had read it and others had not (myself included.)

My statement was only directed at the way that it was answered, unlike your other reply without the snappy comment because it was much more civil than "What part of this don't you get?"

73
Terry
P.S. I didn't misunderstand anything! It was ALL in the delivery!

---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :

For those who missed it, here is but one of the emails on the subject, since you think because I do read I am an areshole
"
On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@... mailto:vu3sxn@...> wrote:
we heard the Iranian Over The Horizon Radar
(OTHR).
it is confirmed -----

http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87 http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87

http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/
http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/

it is confirmed ,check the links above.

and check the video file which I made-

From: Joe - W7RKN mailto:w7rkn.7@...
Sent: Sunday, April 06, 2014 11:27 AM
To: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

□
Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@... mailto:w5nra@...
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong

signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.

No virus found in this message.
Checked by AVG - www.avg.com http://www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31963. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 05:04:00 UTC
From: Billy Manley
Topic: 31939 Message: 31963

Take up this conversation in a private email please. I really don't care. I'm more interested in antennas!

Bill

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31964. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 05:47:22 UTC
From: Joe - W7RKN
Topic: 31939 Message: 31964

Bill...

So are we. (Interested in antennas)

The topic *is* getting a bit long...but, it is already winding down and will soon die....as long as someone doesn't come on and try and enforce their wishes/values on the group.

Best thing you can do is learn to use your delete key or skip any topic that doesn't interest you.

If you are a moderator here, then make sure you sign that fact. so that we know your 'request' is from management.

And while you are at it, Bill, in any ham group, it is just plain courteous, to **always** sign with your call sign, if not seen in your FROM heading.

Good day sir!

Joe - W7RKN

----- Original Message -----
From: Billy Manley
To: ham-antennas@yahoogroups.com ; ham-antennas@yahoogroups.com
Sent: Sunday, April 06, 2014 10:04 PM
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Take up this conversation in a private email please. I really don't care. I'm more interested in antennas!

Bill

Sent from Yahoo Mail for iPhone

From: w5nra@... <w5nra@...>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland
Sent: Mon, Apr 7, 2014 4:50:19 AM

My comment had nothing to do with the fact that there was in fact an email that stated information about the beacon. Nor the fact that you had read it and others had not (myself included.)

My statement was only directed at the way that it was answered, unlike your other reply without the snappy comment because it was much more civil than "What part of this don't you

get?"

73
Terry
P.S. I didn't misunderstand anything! It was ALL in the delivery!

---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :

For those who missed it, here is but one of the emails on the subject, since you think because I do read I am an areshole
“
On Apr 4, 2014 8:28 PM, "shubham vu3sxn" <vu3sxn@...> wrote:

we heard the Iranian Over The Horizon Radar
(OTHR).
it is confirmed -----

http://www.iaru-r1.org/index.php?option=com_content&view=article&id=1125:oth-radar-from-iran-on-10-m&catid=39:iarums&Itemid=87

http://www.dxcoffee.com/eng/2014/03/26/iranian-radar-invades-10m-band/

it is confirmed ,check the links above.

and check the video file which I made-

From: Joe - W7RKN
Sent: Sunday, April 06, 2014 11:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

□

Yup...I didn't see the IRAN radar bit either....

Joe - W7RKN
----- Original Message -----
From: w5nra@...
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it.
No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7307 - Release Date: 04/06/14

31965. RE: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 09:15:39 UTC
From: Richard Schmuke
Topic: 31951 Message: 31965

SWR is going to be a little high with each leg at 123/F MHz.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton
Sent: Sunday, April 06, 2014 8:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

You can make a dipole with mini-coax such as RG-174 and use 20 ga wire, just be careful of such fine wire tangling. A dipole can be made for each band you are going to work, and they will only weigh a few ounces. Dipole length can be figured with the old formula of 234/f in mhz. For each leg, 123/f in mhz. I am sure you have made them in the past, but many SOTA types use dipoles such as this. I might use a RCA connector as the old Heathkits did, and put an adapter on the back of the radio and make the antennas even lighter.

Some use a wire and a tuner, but to each his own.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 6, 2014 at 5:27 PM, Mel Farrer <farrerfolks@...> wrote:

Hi AJ,

Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.

Mel, K6KBE

On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <email4utoo@...> wrote:

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be

appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

[Non-text portions of this message have been removed]

31966. Antenna feed lines

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 10:07:21 UTC
From: KB3YRC
Topic: 31966 Message: 31966

I ran LMR -400 and some RG 213 from the terminal block from my shack to the
block in the attic.

And from the attic block out and up the tower to the antenna.

Those cables are cut to length and neatly mounted.

roughly totally less than 100 FT Each.

Do they need to be cut or lengthen to a % of the weave length .

Richard

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31967. Re: [ham-antennas] Antenna feed lines

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 11:36:18 UTC
From: Artek Manuals
Topic: 31966 Message: 31967

RICH

your good to go

Dave NR1DX

On 4/7/2014 5:07 AM, KB3YRC wrote:
>
> I ran LMR -400 and some RG 213 from the terminal block from my shack
> to the block in the attic.
>
> And from the attic block out and up the tower to the antenna.
>
> Those cables are cut to length and neatly mounted.
>
> roughly totally less than 100 FT Each.
>
> Do they need to be cut or lengthen to a % of the weave length .
>
> Richard
>
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

31968. RE: [ham-antennas] Antenna feed lines

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 11:57:18 UTC
From: Richard Schmuke
Topic: 31966 Message: 31968

Richard, they only have to be from the radio to the antenna. Length comes into play for matching assemblies and coax transformers. For normal antenna set up you are perfect. Good cable also, I can't understand people who use RG-58.

And yet another Richard , Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of KB3YRC
Sent: Monday, April 07, 2014 5:07 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna feed lines

I ran LMR -400 and some RG 213 from the terminal block from my shack to the block in the attic.

And from the attic block out and up the tower to the antenna.

Those cables are cut to length and neatly mounted.

roughly totally less than 100 FT Each.

Do they need to be cut or lengthen to a % of the weave length .

Richard

<http://www.avast.com/> Image removed by sender.

This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

31969. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 12:19:59 UTC
From: Harold
Topic: 31951 Message: 31969

I too am having trouble finding your files and I tried downloading the file below and Error came up.

any other help?

Hal AA2ID

-----Original Message-----
From: Mel Farrer <farrerfolks@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Apr 6, 2014 6:05 pm
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Sorry about that, it is in the antennas files under my call sign. K6KBE. I just checked and it is there. Title is:

Here is the data on the OCF dipole.doc

Mel, K6KBE

On Sunday, April 6, 2014 2:42 PM, Richard Solomon <dickw1ksz@...> wrote:

Where is your files section ? A Google on your Call came up empty.

73, Dick, W1KSZ

On Sun, Apr 6, 2014 at 2:27 PM, Mel Farrer <farrerfolks@...> wrote:

Hi AJ,

Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.

Mel, K6KBE

On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <email4utoo@...> wrote:

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

31970. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 13:03:34 UTC
From: <radiomanl@...>
Topic: 31890 Message: 31970

I made a 3 band fan . tried it with the wires parallel and it did not tune . separated them by 2 feet and it tuned .
kd5pnt

31971. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 13:11:46 UTC
From: Dexter McIntyre W4DEX
Topic: 31951 Message: 31971

Harold wrote:
>
>
> I too am having trouble finding your files and I tried downloading the
> file below and Error came up.
>
> any other help?
>
Go to the files section, enter "OCF" in the search box. It's the second
one listed.

W4DEX

31972. Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 13:52:24 UTC
From: Walt Wilson
Topic: 31939 Message: 31972

Let it drop, NAME CALLING WILL GET YOU NO WHERE

From: Alex Netherton
Sent: Monday, April 07, 2014 12:03 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

Hey, temper, temper!

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 6, 2014 at 11:17 AM, <w5nra@...> wrote:

What part of "Don't be an arsehole when answering questions" don't YOU get?

Maybe he didn't see the post about an ARRL announcement! I know I didn't see it. But I DID see your rude answer.

Sincerely,
Terry, w5nra

---In ham-antennas@yahoogroups.com, <WWILSON@...> wrote :

What part of the ARRL announcement about this being Iranian Radar don’t you get?

From: radiomanL
Sent: Saturday, April 05, 2014 7:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: strange beacon received on 10 m band with very strong signaland

yes I tried the opposite sideband and switched to AM and FM and tuned around to see if it was on a slightly different frequency . nothing changed so I am thinking it may be a new digital signal like Dstar or something . not have any experience with digital I have no idea if it can even be heard on a FT950 . would not think so but I have been fooled before .

kd5pnt
No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7304 - Release Date: 04/05/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3722/7310 - Release Date: 04/07/14

31973. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 14:11:00 UTC
From: <email4utoo@...>
Topic: 31951 Message: 31973

Mel , and all , Thanks, will read all , now Mel , can you please explain, on your Data Graph , at top it had a ,"In Shack" column , with a 1.5 SWR at 3.5mhz, as example-- now , At Shack is what specifically What , with regard to length ? or did you use the antenna tuner ?(hey Mel,) it is probably not your Graph, but just the way i learn, maybe i am a little dyslexic, who knows, just needed some clarification so be wordy so i will get all i can, Thank You Mel and others !-- for taking the time to put these up - this is very very helpful to us Old Novices that come back to Amateur Radio , and younger ones !
by the way i just finished a emtech Zmatch tuner kit that is small and light and will Schlepp along , i will not worry about it's weight , but space is always a consideration as well , but it is small enough -besides , i stepped up and bought a huge NOS ,(new old Stock) Kelty 5900 Back Pack, this will give me incentive to go ,and get the exercise ! (yes and activations hihi). I was a big time hiker in the 50s-80s, Sota stuff and Genrally having fun camping will contribute to my good health- i hope hihi. After my first trip and will write here a short review of my antenna i use and how it worked , i do not have an Antenna tester yet, but will try to borrow one , them seem to be expensive, maybe you guys can recommend a kit or design for me that is light , Thanks, for all, AJ Hillbilly Ham-Ozarks, KF5ZYB 73s and 2s

31974. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 15:50:38 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 31974

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/OCF8010portablefinal.xls
Uploaded by : farrerfolks <farrerfolks@...>
Description : Final results of the portable OCF dipole

You can access this file at the URL:
https://groups.yahoo.com/group/ham-antennas/files/K6KBE%20Antennas/OCF8010portablefinal.xl
s

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

31975. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 15:52:35 UTC
From: Mel Farrer
Topic: 31951 Message: 31975

OK, look under K6KBE antenna files. There is a word and a Excel file. The final is a Excel:

OCF8010portablefinal.xls

If that doesnot work for you email me direct and I will send it to you.

Mel, K6KBE

On Monday, April 7, 2014 8:06 AM, Harold <aa2id@...> wrote:

I too am having trouble finding your files and I tried downloading the file below and Error came up.

any other help?

Hal AA2ID

-----Original Message-----
From: Mel Farrer <farrerfolks@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Apr 6, 2014 6:05 pm
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Sorry about that, it is in the antennas files under my call sign. K6KBE. I just checked and it is there. Title is:

Here is the data on the OCF dipole.doc

Mel, K6KBE

On Sunday, April 6, 2014 2:42 PM, Richard Solomon <dickw1ksz@...> wrote:

Where is your files section ? A Google on your Call came up empty.

73, Dick, W1KSZ

On Sun, Apr 6, 2014 at 2:27 PM, Mel Farrer <farrerfolks@...> wrote:

>
>Hi AJ,
>
>Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.
>
>Mel, K6KBE

>
>
>
>
>On Sunday, April 6, 2014 11:32 AM, "email4utoo@..." <email4utoo@yahoo.com> wrote:
>
>
>Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
>

31976. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 17:37:03 UTC
From: James M. Geidl
Topic: 31890 Message: 31976

Thanks, that is exactly my concern.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of radiomanl@...
Sent: Monday, April 07, 2014 6:04 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

I made a 3 band fan . tried it with the wires parallel and it did not tune .
separated them by 2 feet and it tuned .
kd5pnt

31977. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 17:43:29 UTC
From: Don Sanders
Topic: 31890 Message: 31977

my fan dipole has 40, 30, 20, 17 wires and covers 15, 12 and 10 with less
than 3 to 1 swr. The LDG 100 pro tunes all bands. I separated the wires
with 1/2 inch pvc about 4 footlong, so each wire is 12 inches separation.
With 1 : 1 W2AU balun at feed point it matches well to RG8X and required
minor adjustment of 40 to cover 15. Works very well.

Don HC4/W4BWS

On Mon, Apr 7, 2014 at 12:37 PM, James M. Geidl <jim.geidl@...>wrote:

>
>
> Thanks, that is exactly my concern.
>
>
> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*
>
>
>
> ----------
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *radiomanl@...
> *Sent:* Monday, April 07, 2014 6:04 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* RE: [ham-antennas] Antenna book
>
> I made a 3 band fan . tried it with the wires parallel and it did not tune
> . separated them by 2 feet and it tuned .
> kd5pnt
>
>
>

31978. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 19:32:03 UTC
From: <email4utoo@...>
Topic: 31951 Message: 31978

Mel, your email did not show up on the group conversation , hihi, email the exel file please to email4utoo at yahoo dot com thanks, AJ KF5ZYB

ps your file when i tried to open it in the files , shows old version of open office , would not open for me, oh well, i will work with it , thanks

31979. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 19:36:04 UTC
From: <email4utoo@...>
Topic: 31951 Message: 31979

Ok no worries i ---on new antenna link for Portable antenna !
got it open from link from new notice in group,
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/OCF8010portablefinal.xls https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/OCF8010portablefinal.xls

Thanks Mel !

31980. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 19:44:44 UTC
From: Scott Myers
Topic: 31890 Message: 31980

Fan dipoles work best and tune best when not only the wires are separated, but also the feed points as well. It's a more complex build, but worth the effort and small extra cost. Mine has wires for 80, 40, 20 &10 and tunes 15 on the harmonic of 40. 80M is also quite wide banded. You can tune all bands with a tuner, except for 160M of course.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Don Sanders
Sent: Monday, April 07, 2014 1:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

my fan dipole has 40, 30, 20, 17 wires and covers 15, 12 and 10 with less than 3 to 1 swr. The LDG 100 pro tunes all bands. I separated the wires with 1/2 inch pvc about 4 footlong, so each wire is 12 inches separation. With 1 : 1 W2AU balun at feed point it matches well to RG8X and required minor adjustment of 40 to cover 15. Works very well.

Don HC4/W4BWS

On Mon, Apr 7, 2014 at 12:37 PM, James M. Geidl <jim.geidl@...>
wrote:

Thanks, that is exactly my concern.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of radiomanl@...
Sent: Monday, April 07, 2014 6:04 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

I made a 3 band fan . tried it with the wires parallel and it did not tune . separated them by 2 feet and it tuned .
kd5pnt

31981. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 22:26:48 UTC
From: <farrerfolks@...>
Topic: 31951 Message: 31981

The email bounced.

Mel, K6KBE

31982. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 23:15:32 UTC
From: James M. Geidl
Topic: 31890 Message: 31982

Don,

Thanks.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Don Sanders
Sent: Monday, April 07, 2014 10:43 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

my fan dipole has 40, 30, 20, 17 wires and covers 15, 12 and 10 with less than 3 to 1 swr. The LDG 100 pro tunes all bands. I separated the wires with 1/2 inch pvc about 4 footlong, so each wire is 12 inches separation. With 1 : 1 W2AU balun at feed point it matches well to RG8X and required minor adjustment of 40 to cover 15. Works very well.

Don HC4/W4BWS

On Mon, Apr 7, 2014 at 12:37 PM, James M. Geidl <jim.geidl@...>
wrote:

Thanks, that is exactly my concern.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of radiomanl@...
Sent: Monday, April 07, 2014 6:04 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

I made a 3 band fan . tried it with the wires parallel and it did not tune . separated them by 2 feet and it tuned .
kd5pnt

31983. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-07 23:17:59 UTC
From: James M. Geidl
Topic: 31890 Message: 31983

I like your "feeder." I realize that fans are separated. What I am fiddling with is having everything more or less in none jacket. This is more a case of having the wire and maybe making an antenna than needing the antennas and going out to get the wire.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Monday, April 07, 2014 12:45 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

Fan dipoles work best and tune best when not only the wires are separated, but also the feed points as well. It's a more complex build, but worth the effort and small extra cost. Mine has wires for 80, 40, 20 &10 and tunes 15 on the harmonic of 40. 80M is also quite wide banded. You can tune all bands with a tuner, except for 160M of course.

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/309889546

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Don Sanders
Sent: Monday, April 07, 2014 1:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna book

my fan dipole has 40, 30, 20, 17 wires and covers 15, 12 and 10 with less than 3 to 1 swr. The LDG 100 pro tunes all bands. I separated the wires with 1/2 inch pvc about 4 footlong, so each wire is 12 inches separation. With 1 : 1 W2AU balun at feed point it matches well to RG8X and required minor adjustment of 40 to cover 15. Works very well.

Don HC4/W4BWS

On Mon, Apr 7, 2014 at 12:37 PM, James M. Geidl <jim.geidl@...>
wrote:

Thanks, that is exactly my concern.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of radiomanl@...
Sent: Monday, April 07, 2014 6:04 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna book

I made a 3 band fan . tried it with the wires parallel and it did not tune . separated them by 2 feet and it tuned .
kd5pnt

31984. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 00:31:09 UTC
From: Harold
Topic: 31951 Message: 31984

I'm sorry, but how do we get to the file section?
below it lists these:

Reply via web post
Reply to sender
Reply to group
Start a New Topic
Messages in this topic

Which one do I go to for the files?
or do I have to start all over by going to yahoo groups and then look up ham antennas and does it then give us a link to the files section?

seems like there should be a link sombody can give us or put in the body of the posts.
they did give us a link, but error keeps coming up everytime i try to use it.
there must be a better way.
anybody have any ideas?
I am sure there are many others that have problems getting to these files too.

thanks for any help you can give this old man.

Hal AA2ID

-----Original Message-----
From: Dexter McIntyre W4DEX <dexter.mc@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Apr 7, 2014 9:12 am
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Harold wrote:
>
>
> I too am having trouble finding your files and I tried downloading the
> file below and Error came up.
>
> any other help?
>
Go to the files section, enter "OCF" in the search box. It's the second
one listed.

W4DEX

31985. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 03:02:22 UTC
From: Dale Miller
Topic: 31951 Message: 31985

On 4/7/2014 7:31 PM, Harold wrote:
>
>
> I'm sorry, but how do we get to the file section?
> below it lists these:
> Reply via web post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/31971%0A%20;_ylc=X3oDMTJycTB1NzhyBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTk3MQRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzEzOTY4NzYzMzM-?act=reply&messageNum=31971>
> Reply to sender
> <mailto:dexter.mc@...?subject=Re%3A%20%5Bham-antennas%5D%20Need%20Ideas%20and%20solid%20info%20for%20SOTA%20or%20Camp%20type%20light%20weight%20Antennas>
> Reply to group
> <mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20%5Bham-antennas%5D%20Need%20Ideas%20and%20solid%20info%20for%20SOTA%20or%20Camp%20type%20light%20weight%20Antennas>
> Start a New Topic
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/newtopic;_ylc=X3oDMTJmM2NrMnYzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzEzOTY4NzYzMzM->
> Messages in this topic
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/31951;_ylc=X3oDMTM3c3VtMzZzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMTk3MQRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzEzOTY4NzYzMzMEdHBjSWQDMzE5NTE->
>
>
> Which one do I go to for the files?
> or do I have to start all over by going to yahoo groups and then look
> up ham antennas and does it then give us a link to the files section?
> seems like there should be a link sombody can give us or put in the
> body of the posts.
> they did give us a link, but error keeps coming up everytime i try to
> use it.
> there must be a better way.
> anybody have any ideas?
> I am sure there are many others that have problems getting to these
> files too.
>
> thanks for any help you can give this old man.
>
> Hal AA2ID
>

>
>

Hal don't you see a "Visit Your Group" link at the bottom of your email?

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

31986. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 04:03:37 UTC
From: Geoff NW7GM
Topic: 31951 Message: 31986

You have to log into the Yahoo group's web page.

Geoff, NW7GM
Seattle, WA
CN87tr
On Apr 7, 2014 5:31 PM, "Harold" <aa2id@...> wrote:

>
>
> I'm sorry, but how do we get to the file section?
> below it lists these:
> Reply via web post<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messag
es/31971;_ylc=X3oDMTJycTB1NzhyBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEw
OARtc2dJZAMzMTk3MQRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzEzOTY4NzYzMzM-?act=reply&messageNum=3197
1>Reply
> to sender<dexter.mc@...?subject=Re%3A%20%5Bham-antennas%5D%20Need%20Ideas%20and%20solid%
20info%20for%20SOTA%20or%20Camp%20type%20light%20weight%20Antennas>Reply
> to group<ham-antennas@yahoogroups.com?subject=Re%3A%20%5Bham-antennas%5D%20Need%20Ideas%
20and%20solid%20info%20for%20SOTA%20or%20Camp%20type%20light%20weight%20Antennas>Start
> a New Topic<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/newtopic;_ylc
=X3oDMTJmM2NrMnYzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyB
HNsawNudHBjBHN0aW1lAzEzOTY4NzYzMzM->Messages
> in this topic<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/3195
1;_ylc=X3oDMTM3c3VtMzZzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2d
JZAMzMTk3MQRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzEzOTY4NzYzMzMEdHBjSWQDMzE5NTE->Which
> one do I go to for the files?
> or do I have to start all over by going to yahoo groups and then look up
> ham antennas and does it then give us a link to the files section?
> seems like there should be a link sombody can give us or put in the body
> of the posts.
> they did give us a link, but error keeps coming up everytime i try to use
> it.
> there must be a better way.
> anybody have any ideas?
> I am sure there are many others that have problems getting to these files
> too.
>
> thanks for any help you can give this old man.
>
> Hal AA2ID
>
>
>
>

> -----Original Message-----
> From: Dexter McIntyre W4DEX <dexter.mc@...>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Apr 7, 2014 9:12 am
> Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp
> type light weight Antennas
>
>
> Harold wrote:
> >
> >
> > I too am having trouble finding your files and I tried downloading the
> > file below and Error came up.
> >
> > any other help?
> >
> Go to the files section, enter "OCF" in the search box. It's the second
> one listed.
>
> W4DEX
>
>

31987. RE: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 04:08:35 UTC
From: Alex Netherton
Topic: 31951 Message: 31987

Piffle. O meant 468 and 234. Senior moment.
KC4BO
On Apr 7, 2014 5:15 AM, "Richard Schmuke" <rdj@...> wrote:

>
>
> SWR is going to be a little high with each leg at 123/F MHz.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On
> Behalf Of Alex Netherton
> Sent: Sunday, April 06, 2014 8:48 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type
> light weight Antennas
>
> You can make a dipole with mini-coax such as RG-174 and use 20 ga wire,
> just
> be careful of such fine wire tangling. A dipole can be made for each band
> you are going to work, and they will only weigh a few ounces. Dipole length
> can be figured with the old formula of 234/f in mhz. For each leg, 123/f in
> mhz. I am sure you have made them in the past, but many SOTA types use
> dipoles such as this. I might use a RCA connector as the old Heathkits did,
> and put an adapter on the back of the radio and make the antennas even
> lighter.
>
> Some use a wire and a tuner, but to each his own.
>
> 73 de KC4BO
>
> Alex Netherton
> http://blueridgediscovery.org
>
> On Sun, Apr 6, 2014 at 5:27 PM, Mel Farrer <farrerfolks@...> wrote:
>
> Hi AJ,
>
> Look at my file section for the portable OCF 80-10 M dipole. Only needs to
> be 15 to 17 feet AGL.
>
> Mel, K6KBE
>

> On Sunday, April 6, 2014 11:32 AM, "email4utoo@..."
> <email4utoo@...> wrote:
>
> Howdy, looking for wire antenna designs that are light weight to put in my
> Backpack, (keep laughing i am 61 with larger pants than i want to share ,
> or
> maybe they are big enough to share ! lol,hihi) , Ok going to run my
> 3-5watts output into it, on 80-10, but even single banders will be good, or
> ones i can plug together . Next i need designs for 200watts , i am planning
> to build a SState linear amp for boosting if needed , and i do not want to
> get of topic but if you have any good ideas on that , would also be
> appreciated. Yes you can recommend articles or books you know have what i
> need for this application. I thank you for taking time to help me in my
> Back
> to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS
>
> [Non-text portions of this message have been removed]
>
>
>

31988. RE: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 11:54:51 UTC
From: Richard Schmuke
Topic: 31951 Message: 31988

At my age I have a lot of them also, I knew what you meant to say J

Rich, Kd0zz

Piffle. O meant 468 and 234. Senior moment.
KC4BO

On Apr 7, 2014 5:15 AM, "Richard Schmuke" <rdj@...> wrote:

SWR is going to be a little high with each leg at 123/F MHz.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton
Sent: Sunday, April 06, 2014 8:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

You can make a dipole with mini-coax such as RG-174 and use 20 ga wire, just be careful of such fine wire tangling. A dipole can be made for each band you are going to work, and they will only weigh a few ounces. Dipole length can be figured with the old formula of 234/f in mhz. For each leg, 123/f in mhz. I am sure you have made them in the past, but many SOTA types use dipoles such as this. I might use a RCA connector as the old Heathkits did, and put an adapter on the back of the radio and make the antennas even lighter.

Some use a wire and a tuner, but to each his own.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 6, 2014 at 5:27 PM, Mel Farrer <farrerfolks@...> wrote:

Hi AJ,

Look at my file section for the portable OCF 80-10 M dipole. Only needs to be 15 to 17 feet AGL.

Mel, K6KBE

On Sunday, April 6, 2014 11:32 AM, "email4utoo@..."
<email4utoo@...> wrote:

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

31989. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 21:23:25 UTC
From: Harold
Topic: 31951 Message: 31989

Dale,
OK now I see it on this one. Maybe my eye sight is not as good as I thought,

thanks for telling me. Is it on all emails? I'll check others to see.

I appreciate your help and pointing it out to me.

thanks

Hal

-----Original Message-----
From: Dale Miller <stpatrick2@...>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Apr 7, 2014 11:05 pm
Subject: Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

On 4/7/2014 7:31 PM, Harold wrote:

I'm sorry, but how do we get to the file section?
below it lists these:

Reply via web post

Reply to sender

Reply to group

Start a New Topic

Messages in this topic

Which one do I go to for the files?

or do I have to start all over by going to yahoo groups and then look up ham antennas and does it then give us a link to the files section?

seems like there should be a link sombody can give us or put in the body of the posts.

they did give us a link, but error keeps coming up everytime i try to use it.

there must be a better way.

anybody have any ideas?

I am sure there are many others that have problems getting to these files too.

thanks for any help you can give this old man.

Hal AA2ID

Hal don't you see a "Visit Your Group" link at the bottom of your email?

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@twlakes.net
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@gmail.com

(cut the spam to reply)

--

31990. Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 21:59:47 UTC
From: WD8ARZ
Topic: 31951 Message: 31990
Attachments: 1 described; binary payloads are missing from this source WARC

Here is a hf back pack antenna designed, manufactured and sold right
here in the good ol US of A.
http://www.whitewolfsystems.com/#!products

73 from Bill - WD8ARZ

On 4/6/2014 2:32 PM, email4utoo@... wrote:
>
>
> Howdy, looking for wire antenna designs that are light weight to put
> in my Backpack, (keep laughing i am 61 with larger pants than i want
> to share , or maybe they are big enough to share ! lol,hihi) , Ok
> going to run my 3-5watts output into it, on 80-10, but even single
> banders will be good, or ones i can plug together . Next i need
> designs for 200watts , i am planning to build a SState linear amp for
> boosting if needed , and i do not want to get of topic but if you have
> any good ideas on that , would also be appreciated. Yes you can
> recommend articles or books you know have what i need for this
> application. I thank you for taking time to help me in my Back to Ham
> Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

31991. RE: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 22:15:45 UTC
From: Billy Manley
Topic: 31951 Message: 31991
Attachments: 1 described; binary payloads are missing from this source WARC

Hello,

I have on of these from North Huron Communications. Very light weight. Collapses down to 16 inches or so... Here is the YouTube video. Can find them on eBay. Reasonable price.

I've made Contacts from 1 to 100 watts on mine. Used it portable, backpacking, and just in the yard. I did make 3 additional radials for it. Talked to Hawaii, Russia, England. Etc. good signal reports. And it's all on a camera tripod.....

http://youtu.be/-PZN7InAUug

Hope this helps

Bill
N2NDF

Sent from Yahoo Mail for iPhone (https://overview.mail.yahoo.com?.src=iOS)

31992. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-08 22:49:25 UTC
From: Harold
Topic: 31951 Message: 31992

Thanks to all for responding to my questions.
I really appreciate it .. and now, I know what to do.

thanks all,

Hal AA2ID

31993. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 01:40:52 UTC
From: Dale Miller
Topic: 31951 Message: 31993

On 4/8/2014 4:23 PM, Harold wrote:
>
>
> Dale,
> OK now I see it on this one. Maybe my eye sight is not as good as I
> thought,
> thanks for telling me. Is it on all emails? I'll check others to see.
> I appreciate your help and pointing it out to me.
>
>
> thanks
>
> Hal
>
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 3336 members (as of 02/16/13). and attachments are
> NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
>
>
>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJma2kzazJmBF9TAzk3MzU5
NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzEzOTY5OT
IyMDc->
>
>
> * New Members
> <https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnaHUxOGVjBF9TA
zk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQM
xMzk2OTkyMjA3>
> 9
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlMTYyaDk2BF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyB
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM5Njk5MjIwNw-->
>

> • Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> •
> Unsubscribe
> <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> • Terms of Use <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
>
>

I know it on all of the emails I get.
It is different on each group though, but it is there is some form or
another.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

31994. Re: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 01:44:27 UTC
From: Dale Miller
Topic: 31951 Message: 31994
Attachments: 1 described; binary payloads are missing from this source WARC

On 4/8/2014 4:59 PM, WD8ARZ wrote:
> Here is a hf back pack antenna designed, manufactured and sold right
> here in the good ol US of A.
> http://www.whitewolfsystems.com/#!products
>
>
>
> 73 from Bill - WD8ARZ

I don't think it is worth $1350.00

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

31995. loop antenna's

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 06:32:39 UTC
From: Craig Palmer KF5JYZ
Topic: 31995 Message: 31995

Finally I have the or may have the cash for a loop antenna.. Alex antenna or Alpha Loop jr?

Craig
KF5JYZ

31996. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 15:19:34 UTC
From: <email4utoo@...>
Topic: 31995 Message: 31996

i read some eham reviews the other day, it seems the Alpha is built in the USA and seems better built, i know some like the Alex, if you go to a Hamfest or Store with both then you can see them up front and decide which is best for you , me i would buy the Alpha , cause i am a Patriot type . Best of Luck and let us know what and how it goes, i will be saving up for mine as well. AJ KF5ZYB

31997. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 15:23:56 UTC
From: <email4utoo@...>
Topic: 31951 Message: 31997

Thanks Bill , yah i have seen these online, glad to buy USA build Goodies !, but i will build my own, will be a fun and fairly easy project , feels good when done, on my Loop down the road, will be US made Alpha ,AJ KF5ZYB

---In ham-antennas@yahoogroups.com, <wd8arz@comcast.net> wrote :

Here is a hf back pack antenna designed, manufactured and sold right here in the good ol US of A.
http://www.whitewolfsystems.com/#!products http://www.whitewolfsystems.com/#!products

73 from Bill - WD8ARZ

On 4/6/2014 2:32 PM, email4utoo@yahoo.com mailto:email4utoo@yahoo.com wrote:

Howdy, looking for wire antenna designs that are light weight to put in my Backpack, (keep laughing i am 61 with larger pants than i want to share , or maybe they are big enough to share ! lol,hihi) , Ok going to run my 3-5watts output into it, on 80-10, but even single banders will be good, or ones i can plug together . Next i need designs for 200watts , i am planning to build a SState linear amp for boosting if needed , and i do not want to get of topic but if you have any good ideas on that , would also be appreciated. Yes you can recommend articles or books you know have what i need for this application. I thank you for taking time to help me in my Back to Ham Radio Pursuits , after 40yrs ! 73s and 2s , AJ KF5zYB OZARKS

31998. Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:02:22 UTC
From: Joe
Topic: 31998 Message: 31998
Attachments: 1 described; binary payloads are missing from this source WARC

I have always been a fan of open line antennas.

I'm shortly going to be putting a large "Sky Loop" up again and of course feed it via some open line.

BUT heres a question.

I will even be making the open line also. so i can make it any impedance i want to.

Now the question is,

300 Ohm TV twin lead, the lossiest (due to a lot of dialectric? or just the closer spacing? or both?)

the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I assume, but how about the wider spacing?)

Actual 600 ohm open line where it is 99% air just some small spacers as needed to maintain the spacing. Least loss due to mostly air? or also the spacing.

Now is there any reason to stop at 600 ohm?

why not 800 or 1000?

I'm guessing there is an upper limit because the spacings would get far too wide, mechanically and possibly the self shielding aspect if it is too wide in termes of wavelength/

what would be the loss difference if went higher than 600 ohms? worthwhile?

Like i said I'll be homebrewing the feed to so can make it any impedance I want.

Joe WB9SBD
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

31999. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:11:20 UTC
From: Kenneth G. Gordon
Topic: 31998 Message: 31999

On 9 Apr 2014 at 13:02, Joe wrote:

> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I assume,
> but how about the wider spacing?)

I use this.

> Actual 600 ohm open line where it is 99% air just some small spacers as needed
> to maintain the spacing. Least loss due to mostly air? or also the spacing.
>
> Now is there any reason to stop at 600 ohm?
>
> why not 800 or 1000?
>
> I'm guessing there is an upper limit because the spacings would get far too
> wide, mechanically and possibly the self shielding aspect if it is too wide in
> termes of wavelength/

Yes. The wider the spacing, the lower the upper limit of frequency it can be
used for without incurring too much loss from radiation from the feedline.

Ken W7EKB

32000. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:19:38 UTC
From: Artek Manuals
Topic: 31998 Message: 32000
Attachments: 1 described; binary payloads are missing from this source WARC

On 4/9/2014 1:02 PM, Joe wrote:
> <SNIP>

> Now the question is,
>
> 300 Ohm TV twin lead, the lossiest (due to a lot of dialectric? or
> just the closer spacing? or both?)
Dialectic mostly, wire size secondly, spacing not really
>
> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric
> I assume, but how about the wider spacing?)

Spacing is not really a factor
>
> Actual 600 ohm open line where it is 99% air just some small spacers
> as needed to maintain the spacing. Least loss due to mostly air? or
> also the spacing.

Mostly Air.. also easier to actually maintain the spacing (or variations
due variations in spacing at the wider widths.
>
> Now is there any reason to stop at 600 ohm?
>
> why not 800 or 1000?

The wider the spacing the more apt the line is to radiate (and/ pick
up signals ..reciprocity)

>
> I'm guessing there is an upper limit because the spacings would get
> far too wide, mechanically and possibly the self shielding aspect if
> it is too wide in termes of wavelength/
>
> what would be the loss difference if went higher than 600 ohms?
> worthwhile?

Not IMO
>
> Like i said I'll be homebrewing the feed to so can make it any
> impedance I want.

Have fun..past experience taught me maintaining spacing is the tricky
part. One trick I have used in the past was to "stretch" the wire so as
to make it really straight, removing any memory it might have . I used
to tie one end off to the very base of the tower and then hook the far
end up to a garden tractor and pull the wire you can actually feel it

lengthen. if stretched properly it wont try to curl when released.

Dave
NR1DX
>
> Joe WB9SBD
> --
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32001. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:22:50 UTC
From: Artek Manuals
Topic: 31998 Message: 32001

On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>
> <SNIP>
>

> > I'm guessing there is an upper limit because the spacings would get
> far too
> > wide, mechanically and possibly the self shielding aspect if it is
> too wide in
> > termes of wavelength/
>
> Yes. The wider the spacing, the lower the upper limit of frequency it
> can be
> used for without incurring too much loss from radiation from the feedline.
>
> Ken W7EKB
>
Radiation from the feed-line is NOT loss, it is however signal going
places that is likely not as beneficial as it were when reaching the
intended antenna (but not always :-))

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32002. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:33:10 UTC
From: Joe
Topic: 31998 Message: 32002
Attachments: 1 described; binary payloads are missing from this source WARC

But where does this happen? and at what spacings? and how does the losses happen too with the wider spacings? Even thos the 600 ohm is practically lossless as it is now. But hey if can get some more why not ya know? or is 600 the more or less upper limit and thats why it was the standard in the old days.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
> On 9 Apr 2014 at 13:02, Joe wrote:
>
>> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I assume,
>> but how about the wider spacing?)
> I use this.
>
>
>> Actual 600 ohm open line where it is 99% air just some small spacers as needed
>> to maintain the spacing. Least loss due to mostly air? or also the spacing.
>>
>> Now is there any reason to stop at 600 ohm?
>>
>> why not 800 or 1000?
>>
>> I'm guessing there is an upper limit because the spacings would get far too
>> wide, mechanically and possibly the self shielding aspect if it is too wide in
>> termes of wavelength/
> Yes. The wider the spacing, the lower the upper limit of frequency it can be
> used for without incurring too much loss from radiation from the feedline.
>
> Ken W7EKB
>
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com

> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>
>

32003. AW: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:52:09 UTC
From: siegfried jackstien
Topic: 31998 Message: 32003

I would not go too high in the impedance ... reason is the line will radiate somewhat (more spacing gives more loss from radiation especially on the higher bands)

Next reason is ... if you have a very high impedance line you also can have very high impedance at the shack end (a lot higher if it is an odd multiples of a quarterwave)

Say you have a 80m loop fed at 20m ... impedance is not 100 nor 200 ohms ... say it is around 300 ohms (just guessing here) ... now a transforming line (odd multiple) could transform that way higher if also the line has a high impedance (high voltage ... arcing in the tuner etc.)

Mid impedance line gives also mid impedance at the shack end

....

What I do here is

I feed my topband loop with a quarterwave line on 80 (a bit lower as the 20m but also loop is a bit bigger to have the resonance in mid 80m band)

On topband I add another 20m (so also a quarterwave line on that band)

At the shack end a homebrewed 1:9 balun

Explanation of that setup:

On the lower bands (160 and 80) the impedance of the loop is low ... transforming that to around 400-500 ohms with the ladderline and then back down to 50 ohms with the balun ... tuner only needed at the band edges

From 40m and up the impedance of the loop is higher and so no transforming needed (line is matched) and that impedance also at the shack end is around 400-500 ohms ... after the balun then the impedance also is around 50 ohms

Even if the impedance would drop to 300 ohms or 350 ... that would be 30-40 ohms after balun ... swr around 1:1.5 or so ... (no ... not exact ... only calculation over the thumb ... grin)

...

On the higher bands a matched line (or almost matched ... that slight mismatch is no problem)

And on the lower bands a transforming line (added length switched in with banana plugs)

With making the loop a bit bigger and making the line shorter the resonance spots on the lower bands were the same ... but changed a bit on the higher bands ... and with that setup I have all bands below 1:3 (most are well below 1:2 and on some sweet spots exactly 1:1)

A real multiband antenna

I am sure with a higher impedance line I would have higher impedance at the shack end and loosing that multiband solution ... go figure

...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Mittwoch, 9. April 2014 18:02
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Open Line
>
> I have always been a fan of open line antennas.
>
> I'm shortly going to be putting a large "Sky Loop" up again and of course
> feed it via some open line.
>
> BUT heres a question.
>
> I will even be making the open line also. so i can make it any impedance i
> want to.
>
> Now the question is,
>
> 300 Ohm TV twin lead, the lossiest (due to a lot of dialectric? or just
> the closer spacing? or both?)
>
> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I
> assume, but how about the wider spacing?)
>
> Actual 600 ohm open line where it is 99% air just some small spacers as
> needed to maintain the spacing. Least loss due to mostly air? or also the
> spacing.
>
> Now is there any reason to stop at 600 ohm?
>
> why not 800 or 1000?
>
> I'm guessing there is an upper limit because the spacings would get far
> too wide, mechanically and possibly the self shielding aspect if it is too
> wide in termes of wavelength/
>

> what would be the loss difference if went higher than 600 ohms?
> worthwhile?
>
> Like i said I'll be homebrewing the feed to so can make it any impedance I
> want.
>
> Joe WB9SBD
>
> --
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

32004. Re: AW: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:57:28 UTC
From: Brian Carling
Topic: 31998 Message: 32004

If anybody thinks those open wire feeders do not radiate, they are mistaken. Self shielding is great in theory. For me I will always use car wax after my bad experiences with open wire feeders and letter line.

Best regards - Bry Carling AF4K

> On Apr 9, 2014, at 2:33 PM, Joe <nss@...> wrote:
>
> But where does this happen? and at what spacings? and how does the losses happen too with the wider spacings? Even thos the 600 ohm is practically lossless as it is now. But hey if can get some more why not ya know? or is 600 the more or less upper limit and thats why it was the standard in the old days.
>
> Joe WB9SBD
> <CLEAN-IDLE-TYME-LOGO-100-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>> On 9 Apr 2014 at 13:02, Joe wrote:
>>> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I assume, but how about the wider spacing?)
>> I use this.
>>> Actual 600 ohm open line where it is 99% air just some small spacers as needed to maintain the spacing. Least loss due to mostly air? or also the spacing. Now is there any reason to stop at 600 ohm? why not 800 or 1000? I'm guessing there is an upper limit because the spacings would get far too wide, mechanically and possibly the self shielding aspect if it is too wide in termes of wavelength/
Best regards - Bry Carling

> On Apr 9, 2014, at 2:52 PM, "siegfried jackstien" <siegfried.jackstien@...> wrote:
>
> I would not go too high in the impedance ... reason is the line will radiate
> somewhat (more spacing gives more loss from radiation especially on the
> higher bands)
>
> Next reason is ... if you have a very high impedance line you also can have
> very high impedance at the shack end (a lot higher if it is an odd multiples
> of a quarterwave)
>
> Say you have a 80m loop fed at 20m ... impedance is not 100 nor 200 ohms ...
> say it is around 300 ohms (just guessing here) ... now a transforming line
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> impedance (high voltage ... arcing in the tuner etc.)
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>
> What I do here is
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>
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>
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>
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>
> Even if the impedance would drop to 300 ohms or 350 ... that would be 30-40
> ohms after balun ... swr around 1:1.5 or so ... (no ... not exact ... only
> calculation over the thumb ... grin)
>
> ...
>
> On the higher bands a matched line (or almost matched ... that slight
> mismatch is no problem)
>
> And on the lower bands a transforming line (added length switched in with
> banana plugs)
>
> With making the loop a bit bigger and making the line shorter the resonance
> spots on the lower bands were the same ... but changed a bit on the higher
> bands ... and with that setup I have all bands below 1:3 (most are well
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>
> A real multiband antenna
>
> I am sure with a higher impedance line I would have higher impedance at the
> shack end and loosing that multiband solution ... go figure
>
> ...
>
> Dg9bfc
>
> Sigi

>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von Joe
> > Gesendet: Mittwoch, 9. April 2014 18:02
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Open Line
> >
> > I have always been a fan of open line antennas.
> >
> > I'm shortly going to be putting a large "Sky Loop" up again and of course
> > feed it via some open line.
> >
> > BUT heres a question.
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> > why not 800 or 1000?
> >
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> > wide in termes of wavelength/
> >
> > what would be the loss difference if went higher than 600 ohms?
> > worthwhile?
> >
> > Like i said I'll be homebrewing the feed to so can make it any impedance I
> > want.
> >
> > Joe WB9SBD
> >
> > --
> >
> >
> > The Original Rolling Ball Clock

> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
>
>

32005. AW: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 18:55:54 UTC
From: siegfried jackstien
Topic: 31998 Message: 32005

One part for a rolling clock for each answer :-)

(just kidding)

Wider spacing gives radiation loss (and noise pick-up)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Joe
> Gesendet: Mittwoch, 9. April 2014 18:33
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Open Line
>
> But where does this happen? and at what spacings? and how does the losses
> happen too with the wider spacings? Even thos the 600 ohm is practically
> lossless as it is now. But hey if can get some more why not ya know? or is
> 600 the more or less upper limit and thats why it was the standard in the
> old days.
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>
>
> On 9 Apr 2014 at 13:02, Joe wrote:
>
>
> the 450 ohm "Window Line" Less loss. (More "AIR" as the
> dialectric I assume,
> but how about the wider spacing?)
>
>
> I use this.
>
>
>

> Actual 600 ohm open line where it is 99% air just some small
> spacers as needed
> to maintain the spacing. Least loss due to mostly air? or
also
> the spacing.
>
> Now is there any reason to stop at 600 ohm?
>
> why not 800 or 1000?
>
> I'm guessing there is an upper limit because the spacings
> would get far too
> wide, mechanically and possibly the self shielding aspect if
> it is too wide in
> termes of wavelength/
>
>
> Yes. The wider the spacing, the lower the upper limit of frequency
> it can be
> used for without incurring too much loss from radiation from the
> feedline.
>
> Ken W7EKB
>
>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT
> permitted.
> Any statements in ANY post that may be construed as inflamatory MAY
> be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>

32006. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 19:09:35 UTC
From: Brian Carling
Topic: 31998 Message: 32006

Dave
In my case it appeared as RF in the shack. It happens any time I try parallel feeders and rarely happens with coax. I have read all the reasons why parallel feeders are better and I don't buy it. I have mine away and will only use coax.

Best regards - Bry Carling, AF4K

> On Apr 9, 2014, at 2:22 PM, Artek Manuals <nr1dx@...> wrote:
>
>> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>>
>> <SNIP>
>
>> > I'm guessing there is an upper limit because the spacings would get far too
>> > wide, mechanically and possibly the self shielding aspect if it is too wide in
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>> Yes. The wider the spacing, the lower the upper limit of frequency it can be
>> used for without incurring too much loss from radiation from the feedline.
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>> Ken W7EKB
> Radiation from the feed-line is NOT loss, it is however signal going places that is likely not as beneficial as it were when reaching the intended antenna (but not always :-))
>
> Dave
> NR1DX
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>
>

32007. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 19:20:26 UTC
From: Jim Bennett
Topic: 31998 Message: 32007

Hey Bry,

I had RF in the shack once in a while when I put up my antenna, but is is resolved, and it was pretty easy. I run about six feet of RG-8X coax from the back of my KPA500 amp and KAT500 tuner to an MFJ window-passthru. From there about eight feet of RG-8X to an under-eve Balun Designs 4:1 balun, then 110 feet of commercially made 450 ohm ladder line to my doublet. It is 88 feet long and about 45 feet high. The KAT500 finds a great match on 60-6 meters, as does the internal tuner on my K3, if I'm not using the amp and the matching tuner. No RFI problems in the shack. To be doubly certain, I passed a couple of my serial-->USB cables through mix 31 donuts a couple times.

I also run this same antenna tuner & amp configuration from my KX3, driving the amp to about 250 watts with 12 out from the KX3. Neither the 250 watts from KX3 or 500 from K3 cause me any grief from RF. :-)

Jim / W6JHB

On Apr 9, 2014, at 12:09 PM, Brian Carling wrote:

>
> Dave
> In my case it appeared as RF in the shack. It happens any time I try parallel feeders and rarely happens with coax. I have read all the reasons why parallel feeders are better and I don't buy it. I have mine away and will only use coax.
>
> Best regards - Bry Carling, AF4K
>
>
>
> On Apr 9, 2014, at 2:22 PM, Artek Manuals <nr1dx@...> wrote:
>
>>
>>
>> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>>>
>>> <SNIP>
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>>> > I'm guessing there is an upper limit because the spacings would get far too
>>> > wide, mechanically and possibly the self shielding aspect if it is too wide in
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>>>
>>> Yes. The wider the spacing, the lower the upper limit of frequency it can be
>>> used for without incurring too much loss from radiation from the feedline.
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>>> Ken W7EKB
>> Radiation from the feed-line is NOT loss, it is however signal going places that is

likely not as beneficial as it were when reaching the intended antenna (but not always :-)
)
>>
>> Dave
>> NR1DX
>> --
>> Dave
>> Manuals@ArtekManuals.com
>> www.ArtekManuals.com
>>
>>
>>
>> This email is free from viruses and malware because avast! Antivirus protection is
active.
>>
>>
>>
>
>

32008. Re: AW: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 19:22:34 UTC
From: Joe
Topic: 31998 Message: 32008
Attachments: 1 described; binary payloads are missing from this source WARC

so it looks like stick to the 600 and forgethaboutit.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/9/2014 1:55 PM, siegfried jackstien wrote:
> One part for a rolling clock for each answer :-)
>
> (just kidding)
>
> Wider spacing gives radiation loss (and noise pick-up)
>
> Dg9bfc
>
> sigi
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
>> Auftrag von Joe
>> Gesendet: Mittwoch, 9. April 2014 18:33
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Open Line
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>> But where does this happen? and at what spacings? and how does the losses
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>> 600 the more or less upper limit and thats why it was the standard in the
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>> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
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>>
>> On 9 Apr 2014 at 13:02, Joe wrote:

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>>
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>> Now is there any reason to stop at 600 ohm?
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>> Yes. The wider the spacing, the lower the upper limit of frequency
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>> Ken W7EKB
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>>
>> ---
>>
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>> Any statements in ANY post that may be construed as inflamatory MAY
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>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
>> Yahoo Groups Links
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
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> Subscribe: ham-antennas-subscribe@yahoogroups.com
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> Yahoo Groups Links
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32009. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 19:25:06 UTC
From: Joe
Topic: 31998 Message: 32009
Attachments: 1 described; binary payloads are missing from this source WARC

Then you ARE doing something wrong for sure. I ran legal Limit with
oopen line ALL the time on ALL bands, and not the tuner to coax till it
gets out side either, I brought the open line right into the shack it
passed litterally less than a foot from everything in the shack and
never ever had a problem.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/9/2014 2:09 PM, Brian Carling wrote:
>
>
> Dave
> In my case it appeared as RF in the shack. It happens any time I try
> parallel feeders and rarely happens with coax. I have read all the
> reasons why parallel feeders are better and I don't buy it. I have
> mine away and will only use coax.
>
> Best regards - Bry Carling, AF4K
>
>
>
> On Apr 9, 2014, at 2:22 PM, Artek Manuals <nr1dx@...
> <mailto:nr1dx@...>> wrote:
>
>> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>>>
>>> <SNIP>
>>>
>>
>>> > I'm guessing there is an upper limit because the spacings would
>>> get far too
>>> > wide, mechanically and possibly the self shielding aspect if it is
>>> too wide in
>>> > termes of wavelength/
>>>
>>> Yes. The wider the spacing, the lower the upper limit of frequency
>>> it can be
>>> used for without incurring too much loss from radiation from the
>>> feedline.
>>>

>>> Ken W7EKB
>>>
>> Radiation from the feed-line is NOT loss, it is however signal going
>> places that is likely not as beneficial as it were when reaching the
>> intended antenna (but not always :-))
>>
>> Dave
>> NR1DX
>> --
>> Dave
>> Manuals@...
>> www.ArtekManuals.com
>>
>>
>> ---
>> <http://www.avast.com/>
>>
>> This email is free from viruses and malware because avast! Antivirus
>> <http://www.avast.com/> protection is active.
>>
>>
>
>
>

32010. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 19:36:21 UTC
From: Artek Manuals
Topic: 31998 Message: 32010
Attachments: 1 described; binary payloads are missing from this source WARC

Gotta think in terms of a wavelength at the frequency of interest...The higher the frequency the more likely the line is to radiate for a given spacing..

One trick to reduce the radiation effect is to twist the line..but again the higher the frequency the tighter the twist required to the point that you reach a point of impossibility ..at HF (below 50Mhz) this is typically not a the issue

Dave
NR1DX

On 4/9/2014 1:33 PM, Joe wrote:
> But where does this happen? and at what spacings? and how does the
> losses happen too with the wider spacings? Even thos the 600 ohm is
> practically lossless as it is now. But hey if can get some more why
> not ya know? or is 600 the more or less upper limit and thats why it
> was the standard in the old days.
>
> Joe WB9SBD
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 4/9/2014 1:11 PM, Kenneth G. Gordon wrote:
>> On 9 Apr 2014 at 13:02, Joe wrote:
>>
>>> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I assume,
>>> but how about the wider spacing?)
>> I use this.
>>
>>
>>> Actual 600 ohm open line where it is 99% air just some small spacers as needed
>>> to maintain the spacing. Least loss due to mostly air? or also the spacing.
>>>
>>> Now is there any reason to stop at 600 ohm?
>>>
>>> why not 800 or 1000?
>>>
>>> I'm guessing there is an upper limit because the spacings would get far too
>>> wide, mechanically and possibly the self shielding aspect if it is too wide in
>>> termes of wavelength/
>> Yes. The wider the spacing, the lower the upper limit of frequency it can be
>> used for without incurring too much loss from radiation from the feedline.

>>
>> Ken W7EKB
>>
>>
>> ----------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
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>> Subscribe:ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe:ham-antennas-unsubscribe@yahoogroups.com
>> List owner:ham-antennas-owner@yahoogroups.com
>> Yahoo Groups Links
>>
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>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32011. Re: AW: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 21:43:32 UTC
From: Artek Manuals
Topic: 31998 Message: 32011

Bry

Not sure what the car wax does but if you got RF burns from an open wire line or RF in the shack this is more likely about voltage nodes (wavelength of the feedline) and poor ground RF grounds in the shack than it is about the line actually radiating RF

Dave
NR1DX

On 4/9/2014 1:57 PM, Brian Carling wrote:
> If anybody thinks those open wire feeders do not radiate, they are
> mistaken. Self shielding is great in theory. For me I will always use
> car wax after my bad experiences with open wire feeders and letter line.
>
> Best regards - Bry Carling AF4K
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32012. Re: [ham-antennas] Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-09 21:46:01 UTC
From: Will
Topic: 31998 Message: 32012

You can always make open wire co-ax. I've seen it used at a MW broadcast facility, 100kw. Four outer wires with an inner wire. The spacers were quite wide apart and the outer wires about 4 to 6 inch apart. It was taken out of service when some kids found that throwing bits of wire at it produced a good display.

I've also seem, at SW broadcast site open wire lines spaced with 1/4 wave stubs. All constructed out of about 1 inch (presumably) tubing.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Joe
> Sent: 04/10/14 06:02 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Open Line
>
> I have always been a fan of open line antennas.
>
> I'm shortly going to be putting a large "Sky Loop" up again and of
> course feed it via some open line.
>
> BUT heres a question.
>
> I will even be making the open line also. so i can make it any impedance
> i want to.
>
> Now the question is,
>
> 300 Ohm TV twin lead, the lossiest (due to a lot of dialectric? or just
> the closer spacing? or both?)
>
> the 450 ohm "Window Line" Less loss. (More "AIR" as the dialectric I
> assume, but how about the wider spacing?)
>
> Actual 600 ohm open line where it is 99% air just some small spacers as
> needed to maintain the spacing. Least loss due to mostly air? or also
> the spacing.
>
> Now is there any reason to stop at 600 ohm?
>
> why not 800 or 1000?
>
> I'm guessing there is an upper limit because the spacings would get far
> too wide, mechanically and possibly the self shielding aspect if it is

> too wide in termes of wavelength/
>
> what would be the loss difference if went higher than 600 ohms? worthwhile?
>
> Like i said I'll be homebrewing the feed to so can make it any impedance
> I want.
>
> Joe WB9SBD
> --
> Sig
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

32013. Re: Open Line

Yahoo group: ham-antennas (2014)
Date: 2014-04-10 00:11:44 UTC
From: <rrmvargo@...>
Topic: 31998 Message: 32013

300 Ohm TV twin lead, the lossiest (due to a lot of dialectric? or just the closer spacing? or both?)

If it is a short length it won't matter - 73 Bob

32014. Alpha Delta Sloper vs. end fed longwire, thoughts?

Yahoo group: ham-antennas (2014)
Date: 2014-04-10 13:14:10 UTC
From: <ve3tmt@...>
Topic: 32014 Message: 32014

Hi group,

I'm currently using an Alpha Delta DX-B sloper for the low bands, 30m and below. The top of the sloper is about 30' in the air going down to about 10' at the low end. Performance isn't bad, but I like to get a little more local coverage on 75m. I'm also unable to achieve anything lower than a 3:1 SWR on this band as well.

Looking at the idea of running an end-fed longwire off the tower instead. At the low end I could add another 30' feet or so of wire and tie it off in a tree, making the overall length approximately 90'. The antenna would look like a half square with the center lower than the ends.

Looking for input on this, is it going to be worth the effort? I can only run one antenna off the tower, so it's the sloper or this. Is a 9:1 balun the right choice to feed it? Will the radiation pattern be skewed by using this configuration? I am very limited in the way I can set this up.

Thanks,
Max
VE3TMT

32015. 4 Band HF quad identification

Yahoo group: ham-antennas (2014)
Date: 2014-04-10 13:40:41 UTC
From: <control@...>
Topic: 32015 Message: 32015

Can anyone in the group tell me what make / model Quad is this ????
I just posted pics in the photo section...
https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1456680356
https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1456680356

Leon / 9Z4BM

32016. RE: [ham-antennas] 4 Band HF quad identification

Yahoo group: ham-antennas (2014)
Date: 2014-04-10 14:13:57 UTC
From: KB3YRC
Topic: 32015 Message: 32016

That’s Old

Not here

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] On Behalf Of control@...
Sent: Thursday, April 10, 2014 9:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] 4 Band HF quad identification

Can anyone in the group tell me what make / model Quad is this ????
I just posted pics in the photo section...
https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1456680356

Leon / 9Z4BM

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32017. Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-10 14:43:58 UTC
From: <david.gillooly@...>
Topic: 31951 Message: 32017

Some antenna option links for portable and SOTA:

http://www.sotabeams.co.uk/antennas-hf/

http://www.norfolkamateurradio.org/pdf/G0KYA%20EFHW%20Ant%20+%20shopping%20list.pdf

http://www.aa5tb.com/efha.html

http://www.vk2zay.net/article/115

https://www.youtube.com/watch?v=TV3Cj2J3T20

http://www.lnrprecision.com/

http://www.ac6v.com/antprojects.htm#E

Tuners

http://www.sotabeams.co.uk/antenna-tuners/

http://aa5tb.com/coupler2.html

http://aa5tb.com/coupler.html

http://www.angelfire.com/electronic2/qrp/efhwt.html

32018. Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 01:26:50 UTC
From: <hermit418@...>
Topic: 31951 Message: 32018

I build my own vertical weighs less than 5lbs, telescopes out up to 31 feet and uses a lightweight balun with 4 12 foot radials. With a tuner it covers 160-6 without a problem. Everyone I have had try it winds up keeping them.

Very low noise and easily put up and/or taken down. Have used them in all conditions with out guying and tested them from mountains, beaches, mobile home parks, etc. Best vertical I have ever used and I have tested everything from Gap through MFJ, as well as S-9, and the rest of what is now being sold. The only antennas that work as well as these are Zero-5 antennas and they are portable.

Thanks for considering my post.

32019. Re: [ham-antennas] Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 01:43:27 UTC
From: Walt Wilson
Topic: 31951 Message: 32019

Care to share schematics or design info for this lightweight dynamo?

From: hermit418@...
Sent: Thursday, April 10, 2014 9:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

I build my own vertical weighs less than 5lbs, telescopes out up to 31 feet and uses a lightweight balun with 4 12 foot radials. With a tuner it covers 160-6 without a problem. Everyone I have had try it winds up keeping them.

Very low noise and easily put up and/or taken down. Have used them in all conditions with out guying and tested them from mountains, beaches, mobile home parks, etc. Best vertical I have ever used and I have tested everything from Gap through MFJ, as well as S-9, and the rest of what is now being sold. The only antennas that work as well as these are Zero-5 antennas and they are portable.

Thanks for considering my post.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3882/7325 - Release Date: 04/10/14

32020. Re: [ham-antennas] Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 01:50:02 UTC
From: Dale Miller
Topic: 31951 Message: 32020

On 4/10/2014 8:43 PM, Walt Wilson wrote:
>
>
> Care to share schematics or design info for this lightweight dynamo?
> *From:* hermit418@... <mailto:hermit418@...>
> *Sent:* Thursday, April 10, 2014 9:26 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Re: Need Ideas and solid info for SOTA or
> Camp type light weight Antennas
>
> I build my own vertical weighs less than 5lbs, telescopes out up to 31
> feet and uses a lightweight balun with 4 12 foot radials. With a tuner
> it covers 160-6 without a problem. Everyone I have had try it winds
> up keeping them.
>
> Very low noise and easily put up and/or taken down. Have used them in
> all conditions with out guying and tested them from mountains,
> beaches, mobile home parks, etc. Best vertical I have ever used and I
> have tested everything from Gap through MFJ, as well as S-9, and the
> rest of what is now being sold. The only antennas that work as well
> as these are Zero-5 antennas and they are portable.
>
> Thanks for considering my post.
>
>

I agree...I would be interested too.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32021. Re: [ham-antennas] loop antenna's

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 02:34:36 UTC
From: JOHN CEDARHOLM
Topic: 31995 Message: 32021

Now that I have Alpha's Micro-Tune Loop, I would not go back to either the Alex Loop or the Alpha Loop without the Micro-Tune option. Seriously, the Micro-Tune Loop from Alpha Antenna is that good! The 6:1 reduction drive and the indicators on the clear label that the little red arrow point to as the tuning knob is turned make tuning back to any band easy!
John
AA2NH

32022. test

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 02:59:05 UTC
From: dale cole
Topic: 890 Message: 32022

test

32023. RE: [ham-antennas] Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 03:55:11 UTC
From: <email4utoo@...>
Topic: 31951 Message: 32023

Bill This Vertical from Huron Communications looks great , and decent cost, more in my budget, that coil looks interesting with the slide used, i wonder about any need for water -proofing ? Thanks, 73s and 2s , AJ

32024. Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 03:57:56 UTC
From: <email4utoo@...>
Topic: 31951 Message: 32024

Hermit, would like to see details on your Homebrew, wonder how hard it would be to make it more portable , 73s, AJ

32025. Re: [ham-antennas] Re: Need Ideas and solid info for SOTA or Camp type light weight Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 03:58:48 UTC
From: <email4utoo@...>
Topic: 31951 Message: 32025

Hermit, can i try one ? Hihi !

32026. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 04:01:14 UTC
From: <email4utoo@...>
Topic: 890 Message: 32026

ROGER

32027. Sota links etc

Yahoo group: ham-antennas (2014)
Date: 2014-04-11 20:34:18 UTC
From: <email4utoo@...>
Topic: 31951 Message: 32027

Thanks -
For the all the links ! , AJ
aa6recalifornia

32028. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 02:26:57 UTC
From: Steve Dowler
Topic: 32028 Message: 32028

I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M for 80.
Alpha-Delta separates each set of wires by about 3"
using their special UV-resistant PVC. It has no balun built in. I'm getting
S5 to S9 reports, although I think the S9 is just folks being nice.

My MFJ-962D tunes the SWR down to 1.1:1 or better.
The meter on the 962D shows PEP around 60W, driven by a TS590-S at 100W.

If I separated the wires and ran each set into it's own 1:1 balun and coax
feedline, would I expect to see better FWD power?

I realize 60W is pretty good but I'm not breaking the pile the way some
100W stations appear to do. Of course they also typically have Yagis or
Quads that they can get a lot more concentrated signal directivity.

Tnx, 73s
Steve K0HAY

32029. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 02:52:39 UTC
From: <w8alphadelta@...>
Topic: 32028 Message: 32029

Hi Steve, the spacing between the wires is enough for peak operation. It is designed to give maximum performance as it is. It is designed to be used without a balun. More than likely, the installation site may not be ideal. The antenna, or any HF antenna for that matter, is designed to be operated "in the clear", at least 35 ft. or more in height above ground and at least 20 ft. from any roof tops, gutters or surrounding metal objects.

Since the 962 tuner tunes it down to a low SWR, I don't think anything else would improve the performance unless you changed the installation. The key is, what is the feed point SWR without the tuner? If it is high, then look for improvements in the installation site to get an improvement in the signal.

As it is, in comparing signals to those with beams and such, the performance is probably close to optimum.

73,

Don, W8AD, Alpha Delta

32030. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 04:33:49 UTC
From: Don Sanders
Topic: 32028 Message: 32030

Steve, in addition to what Don said, you did not state height of antenna, length of feedline, type of feedline, etc.
Long runs of rg58 will eat up the watts. High SWR will also increase the loss.
3db will drop power from 100 to 50 watts, 2 db to about 65 to 70 watts,
The meter on the MFJ may be out of calibration, reading off due to the mismatch or you have something wrong in your setup that is causing you to lose power before it goes up the feedline. You stated the power reading on the "matchbox" was 65 watts. That is not the power into the antenna. Which means you may be losing receiving signal level also.
Take a good review of your setup, integrity of connectors and coax and both elimination of current on the outside of the coax shield and good grounding - RF grounding not just AC/DC ground.

Don HC4/W4BWS

On Fri, Apr 11, 2014 at 9:26 PM, Steve Dowler <sdowler59@...> wrote:

>
>
> I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M for
> 80. Alpha-Delta separates each set of wires by about 3"
> using their special UV-resistant PVC. It has no balun built in. I'm
> getting S5 to S9 reports, although I think the S9 is just folks being nice.
>
> My MFJ-962D tunes the SWR down to 1.1:1 or better.
> The meter on the 962D shows PEP around 60W, driven by a TS590-S at 100W.
>
> If I separated the wires and ran each set into it's own 1:1 balun and coax
> feedline, would I expect to see better FWD power?
>
> I realize 60W is pretty good but I'm not breaking the pile the way some
> 100W stations appear to do. Of course they also typically have Yagis or
> Quads that they can get a lot more concentrated signal directivity.
>
> Tnx, 73s
> Steve K0HAY
>
>
>

32031. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 04:35:14 UTC
From: Artek Manuals
Topic: 32028 Message: 32031

Steve

1)Approximately how long is your feed-line?
2)What is the SWR on each band WITHOUT the tuner?

Generally speaking you will unlikely see much if any improvement by
using a separate feed-lines for each band

ON 20-10M even a modest 2 element beam at 30-40' will typically be
better than your alpha delta by a couple of S-units which is enough to
step on you on a pile up

Dave
NR1DX

On 4/11/2014 9:26 PM, Steve Dowler wrote:
> I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M
> for 80. Alpha-Delta separates each set of wires by about 3"
> using their special UV-resistant PVC. It has no balun built in. I'm
> getting S5 to S9 reports, although I think the S9 is just folks being
> nice.
>
> My MFJ-962D tunes the SWR down to 1.1:1 or better.
> The meter on the 962D shows PEP around 60W, driven by a TS590-S at 100W.
>
> If I separated the wires and ran each set into it's own 1:1 balun and
> coax feedline, would I expect to see better FWD power?
>
> I realize 60W is pretty good but I'm not breaking the pile the way
> some 100W stations appear to do. Of course they also typically have
> Yagis or Quads that they can get a lot more concentrated signal
> directivity.
>
> Tnx, 73s
> Steve K0HAY
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32032. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 06:21:50 UTC
From: Alex Netherton
Topic: 32028 Message: 32032

I think too much is often made of losing "half your power" due to line loss, SWR loss, etc.Half your power or double it, it is only 3 dB, which is only a half an S unit. 65 watts is plenty. I cracked a pileup the other night with only 10 watts - I had forgotten to turn the power back up after tuning up - and got a 5x9. Being kind, sure, but I got in there.
I am using about 40 feet of rg-58, into a fan dipole, or a ladder line into a 102 foor center fed flattop. They both work fine.

Cracking a pileup with 60 or 100 watts is not going to be much difference on the DX end; they will sound essentially the same. A good antenna will make a difference, but don't go out and drop a bunch of money on a Rohn tower, a Tailtwister rotor (do they still make those?) and a Mosley 5 element multiband beam (is Mosley still in business?). Here you are talking in the 4 to 5 figure hit to the checkbook. And honestly, running a beam at 100 feet with an old FT-101 or TS-520 with leaky caps and muddy receive is not going to bring you much joy.

I part with people who say to put your money into antennas. I say get the best rig you can afford, make the best antenna you can make, and have fun. I think a $800 or so rig for a newcomer, like a FT-857D, a FT-450, or if you can afford it, a FT dx1200. I know Yaesus best, but Kenwood and Icom make similar rigs at a similar price point. With this, you can experiment with antennas and when you can afford it, get or make a directional antenna. The rig will have digital signal processing, (probably), and a whole host of other things (mine actually has digital noise reduction) that make working a station easy and fun, and the finest antenna in the world is not going to do that.

I would suggest working on your antenna some, and read the "DX Code of Conduct". Lots of DX stations will not answer if they think you are not operating "up to snuff"

Also, if your rig supports it, use audio processing. One of my rigs has a speech compressor, a speech processor, and other speech enhancement (so does the other, but it is hidden in menus), and flipping that on can add enough to my voice that I am heard in a pileup only after I turn it on. Warning: do NOT use it in ragchews, roundtables or nets. Your voice punching out of somebody's speaker will get you a contact in a pileup, but is most unpleasant when sitting around talking.

Good luck and good DX

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sat, Apr 12, 2014 at 12:35 AM, Artek Manuals <nr1dx@...> wrote:

>
>
> Steve
>
> 1)Approximately how long is your feed-line?
> 2)What is the SWR on each band WITHOUT the tuner?
>
> Generally speaking you will unlikely see much if any improvement by using
> a separate feed-lines for each band
>
> ON 20-10M even a modest 2 element beam at 30-40' will typically be better
> than your alpha delta by a couple of S-units which is enough to step on you
> on a pile up
>
> Dave
> NR1DX
>
>
> On 4/11/2014 9:26 PM, Steve Dowler wrote:
>
>
> I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M for
> 80. Alpha-Delta separates each set of wires by about 3"
> using their special UV-resistant PVC. It has no balun built in. I'm
> getting S5 to S9 reports, although I think the S9 is just folks being nice.
>
> My MFJ-962D tunes the SWR down to 1.1:1 or better.
> The meter on the 962D shows PEP around 60W, driven by a TS590-S at 100W.
>
> If I separated the wires and ran each set into it's own 1:1 balun and
> coax feedline, would I expect to see better FWD power?
>
> I realize 60W is pretty good but I'm not breaking the pile the way some
> 100W stations appear to do. Of course they also typically have Yagis or
> Quads that they can get a lot more concentrated signal directivity.
>
> Tnx, 73s
> Steve K0HAY
>
>
>
> --
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32033. RE: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 09:35:14 UTC
From: KB3YRC
Topic: 32028 Message: 32033

Steve

I am rookie in this hobby I purchased a used 33 Ft tower and beam antenna and rotter 30 years old, cleaned it up made some repairs. Ran an 80 meter dipole, Purchased a Yaesu FT857-D and was off to the races like the new kid on the block. Well I was disappointed talking to the others in my town I heir Japan I heir XXX. Well I don't and was disappointed. Thinking that I wanted to be like the big boys I purchased an 1KW amp. I thought I was big shit. Still not listing to the others around me at club meeting's and wasting money. What can those old buzzards' of 80 and 90 teach me. It took me two years to listen.

Well the amp is on the bench because of something stupid I did, and yes the contesters will give you a 5/9 just to get rid of you and go to the next. But let me tell you Location, location, Location, Time, and Propagation, Propagation, Propagation.

The other week in a contest at 8 AM on a Sunday morning I made my longest contact of 10,000 miles bare foot. (no amp)

Go to 3.990 at 5:30 - 6 AM-7 AM and listen, I learned I am just as good as the big boys at 100 Watts

Enjoy the hobby

Richard

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Alex Netherton
Sent: Saturday, April 12, 2014 2:22 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Fan dipole;

I think too much is often made of losing "half your power" due to line loss, SWR loss, etc.Half your power or double it, it is only 3 dB, which is only a half an S unit. 65 watts is plenty. I cracked a pileup the other night with only 10 watts - I had forgotten to turn the power back up after tuning up - and got a 5x9. Being kind, sure, but I got in there.

I am using about 40 feet of rg-58, into a fan dipole, or a ladder line into a 102 foor center fed flattop. They both work fine.

Cracking a pileup with 60 or 100 watts is not going to be much difference on the DX end; they will sound essentially the same. A good antenna will make a difference, but don't go out and drop a bunch of money on a Rohn tower, a Tailtwister rotor (do they still make those?) and a Mosley 5 element

multiband beam (is Mosley still in business?). Here you are talking in the 4 to 5 figure hit to the checkbook. And honestly, running a beam at 100 feet with an old FT-101 or TS-520 with leaky caps and muddy receive is not going to bring you much joy.

I part with people who say to put your money into antennas. I say get the best rig you can afford, make the best antenna you can make, and have fun. I think a $800 or so rig for a newcomer, like a FT-857D, a FT-450, or if you can afford it, a FT dx1200. I know Yaesus best, but Kenwood and Icom make similar rigs at a similar price point. With this, you can experiment with antennas and when you can afford it, get or make a directional antenna. The rig will have digital signal processing, (probably), and a whole host of other things (mine actually has digital noise reduction) that make working a station easy and fun, and the finest antenna in the world is not going to do that.

I would suggest working on your antenna some, and read the "DX Code of Conduct". Lots of DX stations will not answer if they think you are not operating "up to snuff"

Also, if your rig supports it, use audio processing. One of my rigs has a speech compressor, a speech processor, and other speech enhancement (so does the other, but it is hidden in menus), and flipping that on can add enough to my voice that I am heard in a pileup only after I turn it on. Warning: do NOT use it in ragchews, roundtables or nets. Your voice punching out of somebody's speaker will get you a contact in a pileup, but is most unpleasant when sitting around talking.

Good luck and good DX

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sat, Apr 12, 2014 at 12:35 AM, Artek Manuals <nr1dx@...> wrote:

Steve

1)Approximately how long is your feed-line?
2)What is the SWR on each band WITHOUT the tuner?

Generally speaking you will unlikely see much if any improvement by using a separate feed-lines for each band

ON 20-10M even a modest 2 element beam at 30-40' will typically be better than your alpha delta by a couple of S-units which is enough to step on you on a pile up

Dave
NR1DX

On 4/11/2014 9:26 PM, Steve Dowler wrote:

I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M for 80.
Alpha-Delta separates each set of wires by about 3"

using their special UV-resistant PVC. It has no balun built in. I'm getting
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I realize 60W is pretty good but I'm not breaking the pile the way some 100W
stations appear to do. Of course they also typically have Yagis or Quads
that they can get a lot more concentrated signal directivity.

Tnx, 73s

Steve K0HAY

--
Dave
Manuals@...
www.ArtekManuals.com

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This email is free from viruses and malware because avast! Antivirus protection is active.
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32034. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 13:18:08 UTC
From: Chuck Schultz
Topic: 32028 Message: 32034

In the past 35 years I have learned that working DX is a lot like fishing . Hearing a letter or two of a call counts as hearing some one and you can assume they heard a letter or two of your call . One could say you worked each other .....sort of like watching a large fish swim by your bait .....had he been hungry you could have caught him . This is " Horse Shoe " fishing or DXing & quite popular on street corners and club meetings . Remember , when you have the bonce , you have the bonce . On the other hand , I have five fingers . Chuck Wq5B

On 4/12/2014 4:35 AM, KB3YRC wrote:

> Steve
>
> I am rookie in this hobby I purchased a used 33 Ft tower and beam
> antenna and rotter 30 years old, cleaned it up made some repairs. Ran
> an 80 meter dipole, Purchased a Yaesu FT857-D and was off to the races
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> Well the amp is on the bench because of something stupid I did, and
> yes the contesters will give you a 5/9 just to get rid of you and go
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> longest contact of 10,000 miles bare foot. (no amp)
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> good as the big boys at 100 Watts
>
> Enjoy the hobby
>
> Richard
>
> KB3YRC
>
> *From:*ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of *Alex Netherton
> *Sent:* Saturday, April 12, 2014 2:22 AM
> *To:* ham-antennas@yahoogroups.com

> *Subject:* Re: [ham-antennas] Re: Fan dipole;
>
> I think too much is often made of losing "half your power" due to line
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> difference on the DX end; they will sound essentially the same. A good
> antenna will make a difference, but don't go out and drop a bunch of
> money on a Rohn tower, a Tailtwister rotor (do they still make those?)
> and a Mosley 5 element multiband beam (is Mosley still in business?).
> Here you are talking in the 4 to 5 figure hit to the checkbook. And
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> actually has digital noise reduction) that make working a station easy
> and fun, and the finest antenna in the world is not going to do that.
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> I would suggest working on your antenna some, and read the "DX Code of
> Conduct". Lots of DX stations will not answer if they think you are
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> Also, if your rig supports it, use audio processing. One of my rigs
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> will get you a contact in a pileup, but is most unpleasant when
> sitting around talking.
>
> Good luck and good DX
>
> 73 de KC4BO
>
>

> Alex Netherton
> http://blueridgediscovery.org
>
> On Sat, Apr 12, 2014 at 12:35 AM, Artek Manuals <nr1dx@...
> <mailto:nr1dx@...>> wrote:
>
> Steve
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> 1)Approximately how long is your feed-line?
> 2)What is the SWR on each band WITHOUT the tuner?
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> using their special UV-resistant PVC. It has no balun built in.
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> have Yagis or Quads that they can get a lot more concentrated
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> Tnx, 73s
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> Steve K0HAY
>
> --

> Dave
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32035. Power, antennas, and propagation

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 15:34:03 UTC
From: <soona4sail@...>
Topic: 32035 Message: 32035

As we all know, the antenna is a very important part of any amateur radio station. That includes the radiator(s), the feedline, and any parts in between, including the ground. For those of you experiencing frustration about lack of space for antennas, or budget concerns, or neighbourhood restrictions, take heart. It was gratifying last night, to be involved with the ANZA net, and listen to Australian Foundation licences (max power 10 watts) and a QRP station (5 watts) working stations in western Canada, and the Eastern USA.(Conneticut) The signal reports were outstanding, The QRP station was on a beach with an 11 ft vertical, and two of the 10 watt stations had dipoles at less than 20 ft height. This was on 15 mtrs, at 0415 Zulu, well into the evening on the west coast. So, simple antennas, well designed, can work wonders, especially if the propagation is in your favour. Good DX Hope this gives the frustrated members of the group some hope. 73 John

32036. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 16:01:14 UTC
From: Kenneth G. Gordon
Topic: 32028 Message: 32036

On 12 Apr 2014 at 2:21, Alex Netherton wrote:

> I think too much is often made of losing "half your power" due to line loss, SWR
> loss, etc.

So do I.

> Half your power or double it, is only 3 dB, which is only a half an
> S unit.

Yup.

> 65 watts is plenty. I cracked a pileup the other night with only 10
> watts - I had forgotten to turn the power back up after tuning up - and got a
> 5x9.

Just to see how difficult it would be to do, I've worked 35 countries, most of them on 40 meters, with a crystal-controlled military transmitter, a T-784 (part of the AN/GRC-109), running a maximum of 15 watts input, to an end-fed, low, "long wire".

It was fairly easy, and was GREAT fun. Apparently, a weak signal is easier for some DX stations to pick out of a pileup than all the loud ones...at least that is what I have been told.

The last DX I worked with that transmitter, I was also using the R-1004 receiver. This was also on 40 meters a few months back.

Ken W7EKB

32037. Re: [ham-antennas] Power, antennas, and propagation

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 17:11:41 UTC
From: Artek Manuals
Topic: 32035 Message: 32037

Well said John

After moving to a new QTH late October, 2011 before the onset of winter, I put up my trusty backup antenna (Butterntut HFV-9) and a modest set of elevated radials. Running 100watts I worked DXCC in 26 days, granted CQWW CW Contest helped make a lot of stuff available in a short window but it further validates your point about relatively simple antennas and modest power.

Dave
NR1DX

On 4/12/2014 10:34 AM, soona4sail@... wrote:
>
> As we all know, the antenna is a very important part of any amateur
> radio station. That includes the radiator(s), the feedline, and any
> parts in between, including the ground. For those of you experiencing
> frustration about lack of space for antennas, or budget concerns, or
> neighbourhood restrictions, take heart. It was gratifying last night,
> to be involved with the ANZA net, and listen to Australian Foundation
> licences (max power 10 watts) and a QRP station (5 watts) working
> stations in western Canada, and the Eastern USA.(Conneticut) The
> signal reports were outstanding, The QRP station was on a beach with
> an 11 ft vertical, and two of the 10 watt stations had dipoles at less
> than 20 ft height. This was on 15 mtrs, at 0415 Zulu, well into the
> evening on the west coast. So, simple antennas, well designed, can
> work wonders, especially if the propagation is in your favour. Good DX
> Hope this gives the frustrated members of the group some hope.
>
> 73 John
>
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/32035;_ylc=X3oD
MTJyOXF2dnVoBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjAzNQ
RzZWMDZnRyBHNsawNycGx5BHN0aW1lAzEzOTczMTY4NDM-?act=reply&messageNum=32035>
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--
Dave
Manuals@...
www.ArtekManuals.com

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32038. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 17:51:42 UTC
From: John RC
Topic: 32028 Message: 32038

Dave,
Your meter is showing the power being offered based on voice peaks. Transmitting a continuous or CW (key down) signal, the meter will show the maximum amount of output power. An SSB signal is only about 40% to 60% of your CW output.

If you aren't hearing DX stations as well as others, it may be more of a function of the antennas direction. Try and compare received signals with the other members of the club and you will be able to better judge your antenna system.

73,
John K0EBC

32039. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 19:08:08 UTC
From: KA4INM
Topic: 32028 Message: 32039

On 04/12/14 13:51, John K0EBC RC wrote:

> Dave,
> Your meter is showing the power being offered based on voice peaks.
> Transmitting a continuous or CW (key down) signal, the meter will show
> the maximum amount of output power. An SSB signal is only about 40% to
> 60% of your CW output.

> If you aren't hearing DX stations as well as others, it may be more of a
> function of the antennas direction. Try and compare received signals
> with the other members of the club and you will be able to better judge
> your antenna system.

Ten or twenty years ago three local OT's use to get on the local 2
meter repeater and compare signals of stations in eastern Europe that
they were working for hours on end, starting after dark, they were
mostly using the then current (HF packet, clover etc.) digital modes,
learning the ends and outs, no one else listening to them on the
repeater bothered them, other than for a quick sked, everyone enjoyed
hearing it all. Those were some swell guys, all three /SK by now.

The league is based on cooperation and it isn't dead, yet.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32040. RE: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 19:42:52 UTC
From: KB3YRC
Topic: 32028 Message: 32040

Steve

Try this Go to RemoteHams.com RCFrob (Online Remote Base) By RemoteHams.com

Sign up its free And listen to your home radio from afar You may have to send a copy of your license.

Real time on your head set of your PC

Richard

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32041. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 20:26:18 UTC
From: Steve Dowler
Topic: 32028 Message: 32041

Thanks to all responders for some very good information on my Alpha Delta DX-CC.

On some things I left out:

the DX-CC is up about 25ft at the center, in a tree hung from a branch about 2ft away from the trunk.
The segments or legs go out pretty much flattop but with a little droop to tie-off points at about the same 25ft above ground.
There is no metal withing 100ft of the antenna at any point.
The ground slopes at about 35deg with the antenna running parallel to the slope (not up/down slope).
The slope puts the ground at the upper end about the same 25ft from the antenna but maybe a little closer, more like 20ft.

The feedline is 100ft of RG8X from feedpoint to a ground rod where it attaches to a static burst gas-tube protector clamped
to the ground rod. From the other side of the protector, a run of 50ft of RG8X leads into the shack and to the radio which is
a Kenwood TS-590S. All connections on the feedline are taped with Scotch Super-88 and Coax-Seal (that gummy stuff).

SWR values from MFJ-259B analyzer attached in the shack to the antenna cable:

(freq, Reactance, Inductance, SWR)

40M=
7040, 57, 3, 1.1 (low SWR point)
7175, 31, 7, 1.6
7185, 30, 7, 1.6
7195, 29, 6, 1.7
7200, 29, 5, 1.7
7220, 27, 5, 1.9
7240, 25, 7, 2.0
7260, 24, 8, 2.1
7280, 23, 10, 2.2
7300, 22, 12, 2.4

20M=
13915, 56, 15, 1.3 (low SWR point)
14225, 54, 43, 2.2
14250, 49, 44, 2.2
14275, 45, 44, 2.3
14300, 42, 43, 2.3
14325, 37, 42, 2.4
14350, 35, 42, 2.5

15M=
20400, 30, 0, 1.6 (low SWR point)
21275, 44, 47, 2.5
21300, 47, 49, 2.5
21325, 49, 50, 2.5
21350, 53, 52, 2.5
21375, 56, 53, 2.6
21400, 60, 54, 2.6
21425, 64, 56, 2.6
21450, 69, 57, 2.6

Values with MFJ-259B attached via 18ft cable to feedpoint of DX-CC:

40M=
7049, 52, 6, 1.1 (low SWR point)
7175, 61, 27, 1.6
7200, 54, 36, 1.9
7240, 44, 45, 2.3
7280, 34, 48, 2.7
7300, 30, 49, 2.9

20M=
13830, 44, 13, 1.3 (low SWR point)
14225, 14, 16, 3.6
14275, 13, 17, 4.0
14350, 11, 19, 4.4

As a check, I put a Vectronix dummy-load at the antenna-end of that 150ft of RG8X with a Daiwa CN-801 inline (after the Xcvr) and ran TX-TUNE:

Xcvr output W, Daiwa Fwd W, (SWR=1:1 all cases)
10, 9.5
50, 40
75, 60
100, 85

I think the bottom line is that the cable length is where most of the loss is occurring but I could get better performance by raising the antenna and maybe moving it to a location over level ground and higher than 25ft.

Would LMX-600 help with the cable? What about level ground and height above ground?

Thanks again to everyone who had the perseverance to read through all this! Special thanks to Rich KB3YRC, Alex KC4BO, Dave NR1DX, Don W4BWS and Don W8AD.

Steve K0HAY
Durango CO

32042. Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 09:14:37 UTC
From: w9luo@aol.com
Topic: 32042 Message: 32042

Hello! News: http://judo-poznan.pl/pwl/wnews.php

w9luo@...

32043. RE: [ham-antennas] Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-12 21:24:51 UTC
From: Billy Manley
Topic: 32042 Message: 32043

Another ham hacked!

N2NDF

32044. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 02:21:30 UTC
From: <w8alphadelta@...>
Topic: 32028 Message: 32044

Hi Steve,

The SWR numbers are OK and can easily be handled by a wide range antenna tuner. However, there is evidence of some coupling to the earth ground causing the low SWR points to be low in frequency. If you could raise the antenna and use a larger coax like LMR400 or RG8 type, you would eliminate some loss caused by that long run of RG8X. With the higher antenna and larger 50 ohm coax I think you'd have an improved signal.
73,

Don, W8AD

32045. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 02:22:29 UTC
From: Alex Netherton
Topic: 32028 Message: 32045

Well, if you are not hearing people that others in your area are, I would do some antenna work. I got back into the hobby/service last May, and having some money ahead (first time in this life, *sigh*), I went whole hog, bought a Yaesu FT-950, a power supply, a LDG AT-100ProII automatic antenna tuner, and just because I could, bought a MFJ-1777 antenna and a balun to hook into the tuner.

My first few contacts, almost a year ago, include: Dominican Republic, Venezuela, Asiatic Russia, Bulgaria, Puerto Rico, and Estonia. That is in the first week. 100 watts on a wire. Last week was similar. Though I have no tower, and no beam, and (up until a few weeks ago) no amplifier. I like to flip the amp on and smell the warm tubes, look at the pattern the light from the cathode heaters makes on the ceiling, and on a cold Spring evening, it warms up the room. I don't use it often, and have only used it once for DX.

It is indeed location and conditions, but a center fed wire can do a lot. Get it as high as you can, orient it in the direction you want to work, and get happy.

Alex Netherton
http://blueridgediscovery.org

On Sat, Apr 12, 2014 at 5:35 AM, KB3YRC <kb3yrc@...> wrote:

>
>
> Steve
>
> I am rookie in this hobby I purchased a used 33 Ft tower and beam antenna
> and rotter 30 years old, cleaned it up made some repairs. Ran an 80 meter
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> on the block. Well I was disappointed talking to the others in my town I
> heir Japan I heir XXX. Well I don't and was disappointed. Thinking that I
> wanted to be like the big boys I purchased an 1KW amp. I thought I was big
> shit. Still not listing to the others around me at club meeting's and
> wasting money. What can those old buzzards' of 80 and 90 teach me. It took
> me two years to listen.
>
>
>
> Well the amp is on the bench because of something stupid I did, and yes
> the contesters will give you a 5/9 just to get rid of you and go to the
> next. But let me tell you Location, location, Location, Time, and
> Propagation, Propagation, Propagation.
>

> The other week in a contest at 8 AM on a Sunday morning I made my longest
> contact of 10,000 miles bare foot. (no amp)
>
>
>
> Go to 3.990 at 5:30 - 6 AM-7 AM and listen, I learned I am just as good
> as the big boys at 100 Watts
>
> Enjoy the hobby
>
>
>
> Richard
>
> KB3YRC
>
>
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>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *Alex Netherton
> *Sent:* Saturday, April 12, 2014 2:22 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Re: Fan dipole;
>
>
>
>
>

> I think too much is often made of losing "half your power" due to line
> loss, SWR loss, etc.Half your power or double it, it is only 3 dB, which is
> only a half an S unit. 65 watts is plenty. I cracked a pileup the other
> night with only 10 watts - I had forgotten to turn the power back up after
> tuning up - and got a 5x9. Being kind, sure, but I got in there.
>
> I am using about 40 feet of rg-58, into a fan dipole, or a ladder line
> into a 102 foor center fed flattop. They both work fine.
>
>
>
> Cracking a pileup with 60 or 100 watts is not going to be much difference
> on the DX end; they will sound essentially the same. A good antenna will
> make a difference, but don't go out and drop a bunch of money on a Rohn
> tower, a Tailtwister rotor (do they still make those?) and a Mosley 5
> element multiband beam (is Mosley still in business?). Here you are talking
> in the 4 to 5 figure hit to the checkbook. And honestly, running a beam at
> 100 feet with an old FT-101 or TS-520 with leaky caps and muddy receive is
> not going to bring you much joy.
>
>
>
> I part with people who say to put your money into antennas. I say get the
> best rig you can afford, make the best antenna you can make, and have fun.
> I think a $800 or so rig for a newcomer, like a FT-857D, a FT-450, or if
> you can afford it, a FT dx1200. I know Yaesus best, but Kenwood and Icom
> make similar rigs at a similar price point. With this, you can experiment
> with antennas and when you can afford it, get or make a directional
> antenna. The rig will have digital signal processing, (probably), and a
> whole host of other things (mine actually has digital noise reduction) that
> make working a station easy and fun, and the finest antenna in the world is
> not going to do that.
>
>
>
> I would suggest working on your antenna some, and read the "DX Code of
> Conduct". Lots of DX stations will not answer if they think you are not
> operating "up to snuff"
>
>
>
> Also, if your rig supports it, use audio processing. One of my rigs has a
> speech compressor, a speech processor, and other speech enhancement (so
> does the other, but it is hidden in menus), and flipping that on can add
> enough to my voice that I am heard in a pileup only after I turn it on.
> Warning: do NOT use it in ragchews, roundtables or nets. Your voice
> punching out of somebody's speaker will get you a contact in a pileup, but
> is most unpleasant when sitting around talking.
>
>

>
> Good luck and good DX
>
>
>
> 73 de KC4BO
>
>
> Alex Netherton
> http://blueridgediscovery.org
>
>
>
> On Sat, Apr 12, 2014 at 12:35 AM, Artek Manuals <nr1dx@arrl.net> wrote:
>
>
>
> Steve
>
> 1)Approximately how long is your feed-line?
> 2)What is the SWR on each band WITHOUT the tuner?
>
> Generally speaking you will unlikely see much if any improvement by using
> a separate feed-lines for each band
>
> ON 20-10M even a modest 2 element beam at 30-40' will typically be better
> than your alpha delta by a couple of S-units which is enough to step on you
> on a pile up
>
> Dave
> NR1DX
>
>
>
> On 4/11/2014 9:26 PM, Steve Dowler wrote:
>
>
>
> I have an Alpha-Delta DX-CC 5-band on 3 wires with coils on the 40M for
> 80. Alpha-Delta separates each set of wires by about 3"
>
> using their special UV-resistant PVC. It has no balun built in. I'm
> getting S5 to S9 reports, although I think the S9 is just folks being nice.
>
>
>
> My MFJ-962D tunes the SWR down to 1.1:1 or better.
>
> The meter on the 962D shows PEP around 60W, driven by a TS590-S at 100W.
>

>
>
> If I separated the wires and ran each set into it's own 1:1 balun and coax
> feedline, would I expect to see better FWD power?
>
>
>
> I realize 60W is pretty good but I'm not breaking the pile the way some
> 100W stations appear to do. Of course they also typically have Yagis or
> Quads that they can get a lot more concentrated signal directivity.
>
>
>
> Tnx, 73s
>
> Steve K0HAY
>
>
>
>
>
> --
>
> Dave
>
> Manuals@ArtekManuals.com
>
> www.ArtekManuals.com
>
>
> ----------
>
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>
>
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>

>

32046. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 06:06:33 UTC
From: mikerodgerske5gbc@...
Topic: 32028 Message: 32046

I suspect your getting more than 60w pep. If that meter does not use a battery or 12v power it will not give proper pep readings.

35' is probably ok for 10 thru 20. On 40 and 75 it will have a high angle of radiation at 35' which is generally ok for stateside.

73
Mike R

32047. Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 10:32:58 UTC
From: aa2id@aol.com
Topic: 32042 Message: 32047

Hello! News: http://frameclub.ro/ex/wnews.php

aa2id@...

32048. AW: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 14:05:33 UTC
From: siegfried jackstien
Topic: 32028 Message: 32048

All your swr "sweet spots" are at the lower end if not outside of the band(s) ... I would fold backs a few inches at the ends and then measure again

(yes a tuner can handle that ... but without a tuner needed you would get rid od the additional tuner loss

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Steve Dowler
> Gesendet: Samstag, 12. April 2014 20:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Fan dipole;
>
>
>
> Thanks to all responders for some very good information on my Alpha Delta
> DX-CC.
>
> On some things I left out:
>
> the DX-CC is up about 25ft at the center, in a tree hung from a branch
> about 2ft away from the trunk.
> The segments or legs go out pretty much flattop but with a little droop to
> tie-off points at about the same 25ft above ground.
> There is no metal withing 100ft of the antenna at any point.
> The ground slopes at about 35deg with the antenna running parallel to the
> slope (not up/down slope).
> The slope puts the ground at the upper end about the same 25ft from the
> antenna but maybe a little closer, more like 20ft.
>
> The feedline is 100ft of RG8X from feedpoint to a ground rod where it
> attaches to a static burst gas-tube protector clamped
> to the ground rod. From the other side of the protector, a run of 50ft of
> RG8X leads into the shack and to the radio which is
> a Kenwood TS-590S. All connections on the feedline are taped with Scotch
> Super-88 and Coax-Seal (that gummy stuff).
>
> SWR values from MFJ-259B analyzer attached in the shack to the antenna
> cable:
>
> (freq, Reactance, Inductance, SWR)

>
> 40M=
> 7040, 57, 3, 1.1 (low SWR point)
> 7175, 31, 7, 1.6
> 7185, 30, 7, 1.6
> 7195, 29, 6, 1.7
> 7200, 29, 5, 1.7
> 7220, 27, 5, 1.9
> 7240, 25, 7, 2.0
> 7260, 24, 8, 2.1
> 7280, 23, 10, 2.2
> 7300, 22, 12, 2.4
>
> 20M=
> 13915, 56, 15, 1.3 (low SWR point)
> 14225, 54, 43, 2.2
> 14250, 49, 44, 2.2
> 14275, 45, 44, 2.3
> 14300, 42, 43, 2.3
> 14325, 37, 42, 2.4
> 14350, 35, 42, 2.5
>
> 15M=
> 20400, 30, 0, 1.6 (low SWR point)
> 21275, 44, 47, 2.5
> 21300, 47, 49, 2.5
> 21325, 49, 50, 2.5
> 21350, 53, 52, 2.5
> 21375, 56, 53, 2.6
> 21400, 60, 54, 2.6
> 21425, 64, 56, 2.6
> 21450, 69, 57, 2.6
>
> Values with MFJ-259B attached via 18ft cable to feedpoint of DX-CC:
>
> 40M=
> 7049, 52, 6, 1.1 (low SWR point)
> 7175, 61, 27, 1.6
> 7200, 54, 36, 1.9
> 7240, 44, 45, 2.3
> 7280, 34, 48, 2.7
> 7300, 30, 49, 2.9
>
> 20M=
> 13830, 44, 13, 1.3 (low SWR point)
> 14225, 14, 16, 3.6
> 14275, 13, 17, 4.0
> 14350, 11, 19, 4.4
>
> As a check, I put a Vectronix dummy-load at the antenna-end of that 150ft

> of RG8X with a Daiwa CN-801 inline (after the Xcvr) and ran TX-TUNE:
>
> Xcvr output W, Daiwa Fwd W, (SWR=1:1 all cases)
> 10, 9.5
> 50, 40
> 75, 60
> 100, 85
>
> I think the bottom line is that the cable length is where most of the loss
> is occurring but I could get better performance by raising the antenna and
> maybe moving it to a location over level ground and higher than 25ft.
>
> Would LMX-600 help with the cable? What about level ground and height
> above ground?
>
> Thanks again to everyone who had the perseverance to read through all
> this!
> Special thanks to Rich KB3YRC, Alex KC4BO, Dave NR1DX, Don W4BWS
> and Don W8AD.
>
> Steve K0HAY
> Durango CO
>
>

32049. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 15:08:41 UTC
From: mikerodgerske5gbc@...
Topic: 32028 Message: 32049

If you put the wattmeter next to the dummy load you'll get a real perspective of what loss you have, it's really a eye opener.

73
Mike R

32050. Re: [ham-antennas] Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 15:10:44 UTC
From: IVAN
Topic: 32042 Message: 32050

Why this SPAM ??????

73?s Ivan EA8YG // EE8YG

STOP SPAM !!!!!!!!!!!

El 13/04/2014 11:32, aa2id@... escribi?:
>
> Hello! News: http://-frameclub.ro_/ex/wnews.php
> <http://frameclub.ro/ex/wnews.php>
>
> aa2id@...
>
>

32051. Re: [ham-antennas] Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 18:28:50 UTC
From: Andy
Topic: 32042 Message: 32051

IVAN <ea8yg@...> wrote:

"Why this SPAM ??????"

Because people's computers get compromised by virii/trojan horses/whatever.

Or their email accounts get hacked or otherwise compromised.

It happens. Just ignore it. Don't spread it by including the whole text
including the URL that you DO NOT WANT TO GO TO.

Andy

32052. Re: [ham-antennas] Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-13 18:39:09 UTC
From: Van Lincoln
Topic: 32042 Message: 32052

Thank you Andy
Appreciate the advice. Hope others will abide by it....
Moderator

At 18:28 4/13/2014, you wrote:

>IVAN <<mailto:ea8yg@...>ea8yg@...> wrote:
>
> "Why this SPAM ??????"
>
>Because people's computers get compromised by virii/trojan horses/whatever.
>
>Or their email accounts get hacked or otherwise compromised.
>
>It happens. Just ignore it. Don't spread it by
>including the whole text including the URL that you DO NOT WANT TO GO TO.
>
>Andy
>
>
>
>
>

32053. Re: [ham-antennas] Fw: Re:

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 02:38:47 UTC
From: Alex Netherton
Topic: 32042 Message: 32053

>>Why this SPAM ??????

Why not?

Actually, many people are getting their accounts hacked on Yahell, and maybe more since the Heartbleed bug has been discovered. The reasons are multifold:
1. Insecure passwords. People use simple passwords that are easily guessed.
2. Bad or no security on free mail servers. AOL, Yahoo, Hotmail, etc, and once someone hacks them, and you lose them, you can never get them back.
3. Poverty and/or greed in Lower Slobbovia. Truly, many of the former Soviet Empire... sorry, I mean Union (my Socialist friends will understand that I do NOT consider the former Soviet Union "Socialist" or even "Communist", as it is difficult to have a Democracy in an Authoritarian Totalitarian state). Once the Soviet Union fell, the former Union and satellite states began to look for ways to make $$. Hacking into computers and generating SPAM is one way, since a SPAM URL that generates a spambot<http://en.wikipedia.org/wiki/Spambot> every
time a virus is passed on makes a lot of money, and if the URL steals financial info from each computer infected, that is just more money into Croatia, Serbia, Albania, or whatever state you might care to name. Most of these states have little or no Internet fraud laws, and the money pumped into their state coffers is appreciated. It is just business.
4. Some people love to make others miserable, and stealing accounts is just one way to do it.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org

On Sun, Apr 13, 2014 at 6:32 AM, aa2id@... <aa2id@...> wrote:

>
>
> Hello! News: http://frameclub.ro/ex/wnews.php
>
>
>
> aa2id@...
>
>
>
>
>

32054. Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 03:39:34 UTC
From: Steve Dowler
Topic: 32028 Message: 32054

Don W8AD, Rich KB3YRC, Alex NR1DX and others,

Thanks again for all the input, I now have a plan and we'll see where that takes me.

1. replace the RG8X by LMR400
2. raise the antenna to at least 40ft AG

Item 2 above will also require moving it over level ground, getting it further away from ground
coupling.

Now I just have to work on the XYL-acceptance-factor, hihi (or Har-de-Har-Har as Ralph Cramden
would say).

73s,
Steve K0HAY
Durango, CO

32055. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 03:42:08 UTC
From: Don Sanders
Topic: 32028 Message: 32055

I hope she does not say "To the moon", NO.

Don HC4/W4BWS

On Sun, Apr 13, 2014 at 10:39 PM, Steve Dowler <sdowler59@...> wrote:

>
>
> Don W8AD, Rich KB3YRC, Alex NR1DX and others,
>
> Thanks again for all the input, I now have a plan and we'll see where that
> takes me.
>
> 1. replace the RG8X by LMR400
> 2. raise the antenna to at least 40ft AG
>
> Item 2 above will also require moving it over level ground, getting it
> further away from ground
> coupling.
>
> Now I just have to work on the XYL-acceptance-factor, hihi (or
> Har-de-Har-Har as Ralph Cramden
> would say).
>
> 73s,
> Steve K0HAY
> Durango, CO
>
>
>

32056. Re: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 03:43:33 UTC
From: Jim Bennett
Topic: 32028 Message: 32056

Steve - do what I did 14 years ago - have the XYL get a ham ticket. She will at least understand what you are trying to do and might be more sympathetic! :-)

She got her 13 wpm General ticket not long after arriving here from the Philippines on a fiancee visa. Now is KF6ZNT. Trust me, it helps!!!

73, Jim / W6JHB

On Apr 13, 2014, at 8:39 PM, Steve Dowler wrote:

>
> Don W8AD, Rich KB3YRC, Alex NR1DX and others,
>
> Thanks again for all the input, I now have a plan and we'll see where that takes me.
>
> 1. replace the RG8X by LMR400
> 2. raise the antenna to at least 40ft AG
>
> Item 2 above will also require moving it over level ground, getting it further away from ground
> coupling.
>
> Now I just have to work on the XYL-acceptance-factor, hihi (or Har-de-Har-Har as Ralph Cramden
> would say).
>
> 73s,
> Steve K0HAY
> Durango, CO
>
>

32057. RE: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 06:02:01 UTC
From: Richard Schmuke
Topic: 32028 Message: 32057

Don't forget the XYL about the safety factor , by raising it higher you reduce the RF radiation effect on the rabbits and lost tortoise making it better for nature and the environment J

Rich, Kd0zz

, Steve Dowler <sdowler59@...> wrote:

Thanks again for all the input, I now have a plan and we'll see where that takes me.

1. replace the RG8X by LMR400

2. raise the antenna to at least 40ft AG

Item 2 above will also require moving it over level ground, getting it further away from ground

coupling.

Now I just have to work on the XYL-acceptance-factor, hihi (or Har-de-Har-Har as Ralph Cramden

would say).

73s,

Steve K0HAY

Durango, CO

[Non-text portions of this message have been removed]

32058. Re: AW: [ham-antennas] Re: Fan dipole;

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 19:13:33 UTC
From: Steve Dowler
Topic: 32028 Message: 32058

OK, thanks sigi, I can do that at the outer ends of the 20 and the 10 wires on the DX-CC
but the 40M wire has coils at the ends to take it to 80M so I'll have to look at that.

I'll try moving and raising it first and then touch up the lengths after that.

Don W8AD, what do you think about this idea?

73s,
Steve K0HAY

32059. Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-14 22:36:37 UTC
From: <barkowskitim@...>
Topic: 32059 Message: 32059

Hello,
I have a few questions regarding weatherproofing coax antenna connections. I'm a new ham and have just spent the winter building antennas. I have a VHF, UHF, a long wire, a 20m dipole and soon a multiband Hi-Gain vertical ready to put into service at my QTH. Spring has sprung and it's time to get them into the environment. In addition I have several other antennas on the plan book as well….Yeah, I like trying out new antennas.
I live on the SW British Columbia coast. It rains here…..a lot….like 7-8 months per year. In the past as I SWL, I had sealed my coax connection with Coax-Seal type tape as my weatherproofing material. It worked fine but removing it was always a pain in the butt. I've got some for this installation but I have also purchased some internal connector sealant called "S.T.U.F." for Silicone Teflon Unionizing Filler. (http://www.crossdevices.com/cross_devices_004.htm http://www.crossdevices.com/cross_devices_004.htm) and Silicone sealing tape (http://www.qsradio.com/Coax%20and%20ladder%20line.htm http://www.qsradio.com/Coax%20and%20ladder%20line.htm) as a possible "neater" alternative. I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim
VA7TJB

32060. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 00:23:16 UTC
From: Bill Collister
Topic: 32059 Message: 32060

Hard to beat Coax-Seal actually. I use electrical tape on the connector first, and then the Seal. A utility knife splitting the weathered joint down the road enables the stuf to peal away rather nicely and usually clean.
Bill
N7MOG

On 4/14/2014 4:36 PM, barkowskitim@... wrote:
>
> Hello,
>
> I have a few questions regarding weatherproofing coax antenna
> connections.I'm a new ham and have just spent the winter building
> antennas.I have a VHF, UHF, a long wire, a 20m dipole and soon a
> multiband Hi-Gain vertical ready to put into service at my QTH.Spring
> has sprung and it's time to get them into the environment. In addition
> I have several other antennas on the plan book as well….Yeah, I like
> trying out new antennas.
>
> I live on the SW British Columbia coast.It rains here…..a lot….like
> 7-8 months per year. In the past as I SWL, I had sealed my coax
> connection with Coax-Seal type tape as my weatherproofing material.It
> worked fine but removing it was always a pain in the butt.I've got
> some for this installation but I have also purchased some internal
> connector sealant called "S.T.U.F." for Silicone Teflon Unionizing
> Filler.(http://www.crossdevices.com/cross_devices_004.htm) and
> Silicone sealing tape
> (http://www.qsradio.com/Coax%20and%20ladder%20line.htm) as a possible
> "neater" alternative.
>
> I was wondering if any of you have used this combination with PL-259
> and N connectors in the HF, VHF and UHF frequency ranges and what
> problems and successes you have encountered.
>
> Thanks and 73,
>
> Tim
>
> VA7TJB
>
>

32061. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 00:57:11 UTC
From: Rob Stewart
Topic: 32059 Message: 32061

Is it ever advisable to use Teflon tape on the 239/259's?

John WA3JRS
On Monday, April 14, 2014 8:23 PM, Bill Collister <n7mog@...> wrote:

Hard to beat Coax-Seal actually. I use electrical tape on the connector first, and then the Seal. A utility knife splitting the weathered joint down the road enables the stuf to peal away rather nicely and usually clean.
Bill
N7MOG

On 4/14/2014 4:36 PM, barkowskitim@... wrote:

>Hello,
>I have a few questions regarding weatherproofing coax antenna connections. I'm a new ham and have just spent the winter building antennas. I have a VHF, UHF, a long wire, a 20m dipole and soon a multiband Hi-Gain vertical ready to put into service at my QTH. Spring has sprung and it's time to get them into the environment. In addition I have several other antennas on the plan book as well….Yeah, I like trying out new antennas.
>I live on the SW British Columbia coast. It rains here…..a lot….like 7-8 months per year. In the past as I SWL, I had sealed my coax connection with Coax-Seal type tape as my weatherproofing material. It worked fine but removing it was always a pain in the butt. I've got some for this installation but I have also purchased some internal connector sealant called "S.T.U.F." for Silicone Teflon Unionizing Filler. (http://www.crossdevices.com/cross_devices_004.htm) and Silicone sealing tape (http://www.qsradio.com/Coax%20and%20ladder%20line.htm) as a possible "neater" alternative.
>I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.
>
>Thanks and 73,
>
>Tim
>VA7TJB
>

32062. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 01:38:42 UTC
From: Kenneth G. Gordon
Topic: 32059 Message: 32062

> On 4/14/2014 4:36 PM, barkowskitim@... wrote:
>
> In the past as an
> SWL, I had sealed my coax connection with Coax-Seal type tape as my
> weatherproofing material. It worked fine but removing it was always a pain in
> the butt.

Freeze it, then peel it.

Ken W7EKB

32063. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 02:19:46 UTC
From: Don Sanders
Topic: 32059 Message: 32063

The "STUF" if teflon and silicon means the connector possibly cannot be resoldered. I have had problems soldering to surfaces that have seen silicon. I use black Scotch 33 tape and then coaxseal or ductseal over the tape, keeps weather out for long time.

Don HC4/W4BWS

On Mon, Apr 14, 2014 at 7:23 PM, Bill Collister <n7mog@...> wrote:

>
>
> Hard to beat Coax-Seal actually. I use electrical tape on the connector
> first, and then the Seal. A utility knife splitting the weathered joint
> down the road enables the stuf to peal away rather nicely and usually clean.
> Bill
> N7MOG
>
> On 4/14/2014 4:36 PM, barkowskitim@... wrote:
>
>
>
> Hello,
>
> I have a few questions regarding weatherproofing coax antenna connections.
> I’m a new ham and have just spent the winter building antennas. I have a
> VHF, UHF, a long wire, a 20m dipole and soon a multiband Hi-Gain vertical
> ready to put into service at my QTH. Spring has sprung and it’s time to
> get them into the environment. In addition I have several other antennas on
> the plan book as well….Yeah, I like trying out new antennas.
>
> I live on the SW British Columbia coast. It rains here…..a lot….like 7-8
> months per year. In the past as I SWL, I had sealed my coax connection
> with Coax-Seal type tape as my weatherproofing material. It worked fine
> but removing it was always a pain in the butt. I’ve got some for this
> installation but I have also purchased some internal connector sealant
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> http://www.crossdevices.com/cross_devices_004.htm) and Silicone sealing
> tape (http://www.qsradio.com/Coax%20and%20ladder%20line.htm) as a
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>
> I was wondering if any of you have used this combination with PL-259 and N
> connectors in the HF, VHF and UHF frequency ranges and what problems and
> successes you have encountered.
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> Thanks and 73,
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> Tim
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> VA7TJB
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32064. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 02:28:11 UTC
From: KB3YRC
Topic: 32059 Message: 32064

The thing is to keep the connectors clean, Teflon tape that’s a new one for me, we used black electrical tape and roll it on backwards sticky side out. then rubber and a covering of scotch 33 or 66. Then when you cut it off it peels off.

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Don Sanders
Sent: Monday, April 14, 2014 10:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Weatherproofing coax connectors

The "STUF" if teflon and silicon means the connector possibly cannot be resoldered. I have had problems soldering to surfaces that have seen silicon. I use black Scotch 33 tape and then coaxseal or ductseal over the tape, keeps weather out for long time.

Don HC4/W4BWS

On Mon, Apr 14, 2014 at 7:23 PM, Bill Collister <n7mog@...> wrote:

Hard to beat Coax-Seal actually. I use electrical tape on the connector first, and then the Seal. A utility knife splitting the weathered joint down the road enables the stuf to peal away rather nicely and usually clean.
Bill
N7MOG

On 4/14/2014 4:36 PM, barkowskitim@... wrote:

Hello,

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I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim

VA7TJB

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32065. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 02:33:20 UTC
From: n7mog
Topic: 32059 Message: 32065

Exactly, I forgot to mention the sticky side out on the black tape...age needs reminders, thanks!
Bill
N7MOG

On 4/14/2014 8:28 PM, KB3YRC wrote:
>
> The thing is to keep the connectors clean, Teflon tape that’s a new
> one for me, we used black electrical tape and roll it on backwards
> sticky side out. then rubber and a covering of scotch 33 or 66. Then
> when you cut it off it peels off.
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> Richard
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> [mailto:ham-antennas@yahoogroups.com] *On Behalf Of *Don Sanders
> *Sent:* Monday, April 14, 2014 10:20 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Weatherproofing coax connectors
>
> The "STUF" if teflon and silicon means the connector possibly cannot
> be resoldered. I have had problems soldering to surfaces that have
> seen silicon. I use black Scotch 33 tape and then coaxseal or ductseal
> over the tape, keeps weather out for long time.
>
> Don HC4/W4BWS
>
> On Mon, Apr 14, 2014 at 7:23 PM, Bill Collister <n7mog@...
> <mailto:n7mog@...>> wrote:
>
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> butt. I’ve got some for this installation but I have also
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> Silicone Teflon Unionizing Filler.
> (http://www.crossdevices.com/cross_devices_004.htm) and Silicone
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> (http://www.qsradio.com/Coax%20and%20ladder%20line.htm) as a
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> Thanks and 73,
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> Tim
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> VA7TJB
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>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

32066. Pattern for my Trap L

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 06:17:24 UTC
From: <rolandbrade@...>
Topic: 32066 Message: 32066

I have a HF9V but it is a bit short for working DX on 160.
I decided to make a Trap L as I only have a small back garden.
I wonder if someone could put it through their antenna program so that I can see the radiation pattern.
At the moment it has a 32 foot vertical with a 40 metre trap attached and then comes out horizontally for 22 foot to the 80 metre trap. The last leg is 40 foot. I was hoping this would be shorter. The last 15 foot of this last leg comes down as I don't have enough room to get it in.
Obviously my 80 metre trap needs a bit more L and less C on it.
In my initial tests it is at least on a par with the Butternut but eventually I intend to get the vertical leg up to somewhere around 45 foot or so.
Many thanks chaps
Roley G3VIR

32067. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 11:02:41 UTC
From: Richard Schmuke
Topic: 32059 Message: 32067

Rob, if you are referring to the thin Teflon pipe thread tape then Coax Seal over the top of it, that is a great idea and lets you have a clean removal when you disassemble.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Rob Stewart
Sent: Monday, April 14, 2014 7:57 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Weatherproofing coax connectors

Is it ever advisable to use Teflon tape on the 239/259's?

John WA3JRS

On Monday, April 14, 2014 8:23 PM, Bill Collister <n7mog@...> wrote:

Hard to beat Coax-Seal actually. I use electrical tape on the connector first, and then the Seal. A utility knife splitting the weathered joint down the road enables the stuf to peal away rather nicely and usually clean.
Bill
N7MOG

On 4/14/2014 4:36 PM, barkowskitim@... wrote:

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I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim

VA7TJB

[Non-text portions of this message have been removed]

32068. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 14:45:26 UTC
From: Scott Myers
Topic: 32059 Message: 32068

Tim,

I know the goo problem to which you refer too well. I got away from coax seal about 5ish years ago. What I now use is self-fusing silicone tape. It can be purchased from any home improvement store (I get mine at Menards) or electrical supply house. It leaves ZERO residue, as it isn't sticky at all. It only sticks to itself. And it is completely UV resistant. You just have to be careful to stretch it tight enough, but not too tight. It also covers irregular shapes pretty well.

It costs a bit more than electrical tape or coax seal, but when you need to remove it, you'll find it to be PRICELESS. You just slice it carefully with a sharp knife and it pops right off.

73,

Scott AC8DE

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com] On Behalf Of barkowskitim@...
Sent: Monday, April 14, 2014 6:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Weatherproofing coax connectors

Hello,

I have a few questions regarding weatherproofing coax antenna connections. I’m a new ham and have just spent the winter building antennas. I have a VHF, UHF, a long wire, a 20m dipole and soon a multiband Hi-Gain vertical ready to put into service at my QTH. Spring has sprung and it’s time to get them into the environment. In addition I have several other antennas on the plan book as well….Yeah, I like trying out new antennas.

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I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim

VA7TJB

32069. RE: [ham-antennas] Pattern for my Trap L

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 14:52:18 UTC
From: Scott Myers
Topic: 32066 Message: 32069

Roley,

It can be done and I know it has been done, but...

The problem is mechanical strength of the top of the antenna (J section) to support the trap, the wire weight and handle the stress of the guy lines that will be required.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of rolandbrade@...
Sent: Tuesday, April 15, 2014 2:17 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Pattern for my Trap L

I have a HF9V but it is a bit short for working DX on 160.

I decided to make a Trap L as I only have a small back garden.

I wonder if someone could put it through their antenna program so that I can see the radiation pattern.

At the moment it has a 32 foot vertical with a 40 metre trap attached and then comes out horizontally for 22 foot to the 80 metre trap. The last leg is 40 foot. I was hoping this would be shorter. The last 15 foot of this last leg comes down as I don't have enough room to get it in.

Obviously my 80 metre trap needs a bit more L and less C on it.

In my initial tests it is at least on a par with the Butternut but eventually I intend to get the vertical leg up to somewhere around 45 foot or so.

Many thanks chaps

Roley G3VIR

32070. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 14:52:45 UTC
From: <ke7zag@...>
Topic: 32059 Message: 32070

Hi Tim,
I use STUF on all my connectors for both HF and VHF/UHF. It keeps air pockets out of the union which prevents moisture ingress. Never had a problem, and all my connectors are soldered and crimped.
As for the tape, I use Coax Wrap sold by RF Parts and many others. It is a silicone tape that only sticks to itself and will release from the cable and connectors with no sticky residue. No sticky on my hands after handling Coax Wrap either.
I have never had a sealed connection fail using the STUF in conjunction with the Coax Wrap, and I live in a very wet area with huge temperature swings. I do use a heat gun and heat the Coax Wrap after I have sealed the union, that speeds the cure. Just do not heat it over 350 degrees F for curing. It will cure on its own too, but since I lay my coax on the ground before I hoist it in the air, I did not want the stuff to be slightly sticky and pick up fir needles and grass clippings, and heating solves that issue.
I have never attempted or needed to ever re-solder a connector once sealed, but suspect a good solvent cleaning would remove any remaining STUF, it is not particularly sticky just about the consistency of kid's play clay. But, I would never reuse a connector after soldering either because of the heat required to pull the center connector bond.
73's
Randy

32071. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 14:56:29 UTC
From: Ray, W4BYG
Topic: 32059 Message: 32071

Scott,
An interesting note. Thank you.

In a quick search online I see a number of suppliers with little information as to the quality offered or where it is manufactured. I try to avoid cheap overseas products in this kind of an application.
Have you found a preferred brand?
What kind of life have you experienced outside in the sun?

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Tuesday, April 15, 2014 10:45 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Weatherproofing coax connectors

Tim,

I know the goo problem to which you refer too well. I got away from coax seal about 5ish years ago. What I now use is self-fusing silicone tape. It can be purchased from any home improvement store (I get mine at Menards) or electrical supply house. It leaves ZERO residue, as it isn't sticky at all. It only sticks to itself. And it is completely UV resistant. You just have to be careful to stretch it tight enough, but not too tight. It also covers irregular shapes pretty well.

It costs a bit more than electrical tape or coax seal, but when you need to remove it, you'll find it to be PRICELESS. You just slice it carefully with a sharp knife and it pops right off.

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Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of barkowskitim@...
Sent: Monday, April 14, 2014 6:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Weatherproofing coax connectors

Hello,

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I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim

VA7TJB

32072. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 15:17:53 UTC
From: William Collister
Topic: 32059 Message: 32072

Not on the threads, at least I wouldn't. Point was waterproofing the connection. Electrically, I wouldn't do anything that might disturb good electron flow.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: rs18041@yahoo.com
Date: Mon, 14 Apr 2014 17:57:11 -0700
Subject: Re: [ham-antennas] Weatherproofing coax connectors

Is it ever advisable to use Teflon tape on the 239/259's?

John WA3JRS

On Monday, April 14, 2014 8:23 PM, Bill Collister <n7mog@...> wrote:

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Thanks and 73,

Tim
VA7TJB

32073. RE: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 15:19:39 UTC
From: Scott Myers
Topic: 32059 Message: 32073

As I said, I made the swap about 5 years ago. But in 5 years, it shows little to no degradation.

My preference is the rescue tape brand, which is a little thicker and is sold at most hamfests. But if I run out, I go to Menards to get the big roll of it. I have no idea where any of it is made.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ray, W4BYG
Sent: Tuesday, April 15, 2014 10:56 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Weatherproofing coax connectors

Scott,

An interesting note. Thank you.

In a quick search online I see a number of suppliers with little information as to the quality offered or where it is manufactured. I try to avoid cheap overseas products in this kind of an application.

Have you found a preferred brand?

What kind of life have you experienced outside in the sun?

Ray, W4BYG

"The Republic can survive a fool for a president... It is less likely to survive a multitude of fools, such as those who made him their president."

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Scott Myers
Sent: Tuesday, April 15, 2014 10:45 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Weatherproofing coax connectors

Tim,

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It costs a bit more than electrical tape or coax seal, but when you need to remove it, you'll find it to be PRICELESS. You just slice it carefully with a sharp knife and it pops right off.

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Sent: Monday, April 14, 2014 6:37 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Weatherproofing coax connectors

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I was wondering if any of you have used this combination with PL-259 and N connectors in the HF, VHF and UHF frequency ranges and what problems and successes you have encountered.

Thanks and 73,

Tim

VA7TJB

32074. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 15:58:30 UTC
From: David Cole
Topic: 32059 Message: 32074

Replace the Electrical tape with Rescue tape... When you cut it, it
actually jumps off the connector! :)
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Mon, 2014-04-14 at 18:23 -0600, Bill Collister wrote:
>
>
> Hard to beat Coax-Seal actually. I use electrical tape on the
> connector first, and then the Seal. A utility knife splitting the
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> Bill
> N7MOG
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> On 4/14/2014 4:36 PM, barkowskitim@... wrote:
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> > Thanks and 73,
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> > Tim
> >
> > VA7TJB
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32075. RE: [ham-antennas] Pattern for my Trap L

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 16:46:01 UTC
From: vk4102@gmail.com
Topic: 32066 Message: 32075

Hi, I found the best to weatherproof antenna connections is to us Self Amalgamating Tape it is tape that is not sticky but it stretches and is a rubber so it holds onto it self I have had it in the air for at least 5 years with no dramas what so ever, here in Australia we can get it at JCar or any good electrical hardware outlet, I hope this has been of help to the group, Cheers 73's John vk4ylu.

[Non-text portions of this message have been removed]

32076. Another fan dipole question

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 18:21:48 UTC
From: mikerodgerske5gbc@...
Topic: 27942 Message: 32076

Is there any reason not to try to get 12 & 17 on a 10,15,20 fan dipole?

You don't see warc bands on commercial models so I wander if there is excessive interaction or some other reason. I'd like to try my hand at a rotatable fan dipole.

73
Mike R

32077. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 18:49:42 UTC
From: Joe
Topic: 32059 Message: 32077
Attachments: 1 described; binary payloads are missing from this source WARC

What I have done since the 60's is,

I will wrap it with a good high quality electrical tape. Like 3M etc. Applying it with a 50% stretch as wrapping (50% stretch is stretching it almost twice as long as it's resting state length)

I apply one spiral layer.

Then I spray it with any good quality outdoor spray paint.

When th paint is almost dry. It's still tacky tho. I again wrap it again with another tight spiral layer of the tape wrapping it in the other direction.

Then spray it again with the paint.

Then when tacky apply another tape layer.

then one last coat of paint.

I have opened connections like this 20 years old and they are as shiny as they were the day it was sealed.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/15/2014 10:58 AM, David Cole wrote:
> Replace the Electrical tape with Rescue tape... When you cut it, it
> actually jumps off the connector! :)

32078. RE: [ham-antennas] Another fan dipole question

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 19:45:07 UTC
From: Billy Manley
Topic: 27942 Message: 32078

I have 12 and 17 meters on my fan dipole. I made mine to run 40, 20, 17, 12, and ten. If really had no problems with interaction. I did have a little hi swr when I first tuned it. But figured out why I did. All I needed to do was put alittle more space between the other legs. I average . 2.0 to 1.1 swr. I use a LDG tuner and have a 100ft of coax from the shack...

My original spacing was 3in(7.6cm) between each leg. I changed it to 4 1/2in(11.4cm) and it worked well. Spreaders are PVC drilled just larger than the 12 ga stranded wire I'm using.

Other than a minor change or two. I'm impressed with my first homebrew antenna. It's only about 20ft(3.6m) off the ground. I'm only running barefoot(100watts) or lower

Bill

N2NDF

32079. Re: [ham-antennas] Another fan dipole question

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 19:52:06 UTC
From: mikerodgerske5gbc@...
Topic: 27942 Message: 32079

Bill, thanks. Good to know the details.

73
Mike R

On Apr 15, 2014, at 2:45 PM, Billy Manley <kd2amw@...> wrote:

>
> I have 12 and 17 meters on my fan dipole. I made mine to run 40, 20, 17, 12, and ten. If really had no problems with interaction. I did have a little hi swr when I first tuned it. But figured out why I did. All I needed to do was put alittle more space between the other legs. I average . 2.0 to 1.1 swr. I use a LDG tuner and have a 100ft of coax from the shack...
>
> My original spacing was 3in(7.6cm) between each leg. I changed it to 4 1/2in(11.4cm) and it worked well. Spreaders are PVC drilled just larger than the 12 ga stranded wire I'm using.
>
> Other than a minor change or two. I'm impressed with my first homebrew antenna. It's only about 20ft(3.6m) off the ground. I'm only running barefoot(100watts) or lower
>
> Bill
>
> N2NDF
>
> From: mikerodgerske5gbc@... <mikerodgerske5gbc@...>;
> To: HamAntennas <ham-antennas@yahoogroups.com>;
> Cc: mike Rodgers <mikerodgerske5gbc@...>;
> Subject: [ham-antennas] Another fan dipole question
> Sent: Tue, Apr 15, 2014 6:21:48 PM
>
> Is there any reason not to try to get 12 & 17 on a 10,15,20 fan dipole?
>
> You don't see warc bands on commercial models so I wander if there is excessive interaction or some other reason. I'd like to try my hand at a rotatable fan dipole.
>
> 73
> Mike R
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>
>

32080. Re: [ham-antennas] Another fan dipole question

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 19:59:19 UTC
From: Billy Manley
Topic: 27942 Message: 32080

No problem. I took pictures to explain what I've done. I can send them you your email if you would like...

Bill

N2NDF

32081. RE: [ham-antennas] Pattern for my Trap L

Yahoo group: ham-antennas (2014)
Date: 2014-04-15 22:02:25 UTC
From: Will
Topic: 32066 Message: 32081

I second the use of self amalgamating tape. It stands the high U.V. in ZL and is definitely water proof/resistant. Comes off cleanly.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: vk4102@...
> Sent: 04/16/14 04:46 AM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Pattern for my Trap L
>
> Hi, I found the best to weatherproof antenna connections is to us Self Amalgamating Tape it is tape that is not sticky but it stretches and is a rubber so it holds onto it self I have had it in the air for at least 5 years with no dramas what so ever, here in Australia we can get it at JCar or any good electrical hardware outlet, I hope this has been of help to the group, Cheers 73's John vk4ylu.
>
> [Non-text portions of this message have been removed]
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
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> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>

32082. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-16 12:32:34 UTC
From: <hitekgearhead@...>
Topic: 32059 Message: 32082

Since you guys are on this subject, I have a related question. I was wondering if anyone has ever used liquid electrical tape or plastidip to seal coax connections and/or entries.
Thanks,
Albert
KI4ORI

32083. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-16 13:39:41 UTC
From: Michael Sloan
Topic: 32059 Message: 32083

In my limited experience I found it to be too thin and too fragile.....

> Since you guys are on this subject, I have a related question. I was
> wondering if anyone has ever used liquid electrical tape or plastidip to
> seal coax connections and/or entries.
> Thanks,
> Albert
> KI4ORI

32084. Re: [ham-antennas] Weatherproofing coax connectors

Yahoo group: ham-antennas (2014)
Date: 2014-04-16 17:40:48 UTC
From: DVC3565@...
Topic: 32059 Message: 32084

Agreed, liquid electrical tape needs to have a more resilient quality when dry. Not tough enough to handle any "bumps & bruises" in handling. The plasti-dip they sell in small pint & quart cans for dipping tool handles in to give it a rubberized coating works better, and last's longer. Got my last can at H. Freight for about $6. Used it anywhere I had to splice coax runs with a barrel connector and PL-259's. Oldest is 14+ years...no problems yet.
73,
Dave-KJ4PF

In a message dated 4/16/2014 8:43:56 A.M. Eastern Daylight Time, msloan@... writes:

In my limited experience I found it to be too thin and too fragile.....

Since you guys are on this subject, I have a related question. I was wondering if anyone has ever used liquid electrical tape or plastidip to seal coax connections and/or entries.
Thanks,
Albert
KI4ORI

32085. How to wind up Coax link

Yahoo group: ham-antennas (2014)
Date: 2014-04-17 16:31:03 UTC
From: <email4utoo@...>
Topic: 32085 Message: 32085

I get a Blog from KB6NU ,who sent me this , very helpful video and pics ,description of easy proper way to wind up your Coax cable to help from Tangling etc. , 73's , AJ KF5ZYB

ps i was taught to wind electric cords like this as well.

http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html
http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html

32086. RE: [ham-antennas] How to wind up Coax link

Yahoo group: ham-antennas (2014)
Date: 2014-04-17 16:41:36 UTC
From: John Murphy
Topic: 32085 Message: 32086

Very good practice. Learned this trick when I was in a radio/tv broadcasting course in high school (way back in the md-late 70s). after the course that day, the teacher said he better not find tangled cords again in the supply room or that person would receive an F for the course final (don’t really know if he meant it, but nobody took him up on it).

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@gmail.com

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of email4utoo@...
Sent: Thursday, April 17, 2014 10:31 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] How to wind up Coax link

I get a Blog from KB6NU ,who sent me this , very helpful video and pics ,description of easy proper way to wind up your Coax cable to help from Tangling etc. , 73's , AJ KF5ZYB

ps i was taught to wind electric cords like this as well.

http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html

32087. AW: [ham-antennas] How to wind up Coax link

Yahoo group: ham-antennas (2014)
Date: 2014-04-17 21:16:50 UTC
From: siegfried jackstien
Topic: 32085 Message: 32087

I installed VERY thick power cables in the industry

When we had to lay out a longer and thicker cable on the ground we made a "figure eight" ... same thing ... no tangling and no turn in the cable

If you ever had to lay out a 4 x 185 sqmm (or thicker!) and then pull it the rest of the way you absolutely do not want a turn in the cable (or it will not lay down flat on the cable truss)

Such thick cables are almost as stiff as tube/pipe ... and a turn in that cable and YOURE LOST (and big boss will give you a kick in the a..)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von email4utoo@...
> Gesendet: Donnerstag, 17. April 2014 16:31
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] How to wind up Coax link
>
>
>
> I get a Blog from KB6NU ,who sent me this , very helpful video and pics
> ,description of easy proper way to wind up your Coax cable to help from
> Tangling etc. , 73's , AJ KF5ZYB
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> ps i was taught to wind electric cords like this as well.
>
>
>
> http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html
>
>

32088. Re: AW: [ham-antennas] How to wind up Coax link

Yahoo group: ham-antennas (2014)
Date: 2014-04-17 22:35:53 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32085 Message: 32088

Same thing in the TV industry - camera cables were 2" in diameter roughly.. (they carried power, monitor signals, control lines,a nd 3 video channels each in their own coax inside the fat cable. Probably about 80-100 conductors in the cable. And they were fragile.

If not figure-8'd properly, 1: they would not go back in the truck properly... 2: they would not come out of the truck properly 3: it would take a crew of 4 people to try to untangle the suckers when trying to set up to cover a baseball game or whatever. Now, they are digital, and either a lot smaller, or just carrying power, with RF carrying the back haul to the truck. but they STILL get figure-8'd...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: siegfried jackstien <siegfried.jackstien@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, April 17, 2014 5:16 PM
Subject: AW: [ham-antennas] How to wind up Coax link

I installed VERY thick power cables in the industry

When we had to lay out a longer and thicker cable on the ground we made a "figure eight" ... same thing ... no tangling and no turn in the cable

If you ever had to lay out a 4 x 185 sqmm (or thicker!) and then pull it the rest of the way you absolutely do not want a turn in the cable (or it will not lay down flat on the cable truss)

Such thick cables are almost as stiff as tube/pipe ... and a turn in that cable and YOURE LOST (and big boss will give you a kick in the a..)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von email4utoo@...
> Gesendet: Donnerstag, 17. April 2014 16:31
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] How to wind up Coax link
>
>
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> I get a Blog from KB6NU ,who sent me this , very helpful video and pics
> ,description of easy proper way to wind up your Coax cable to help from
> Tangling etc. , 73's , AJ KF5ZYB
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> ps i was taught to wind electric cords like this as well.
>
>
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> http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html
>
>

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ham-antennas-unsubscribe@yahoogroups.com

https://info.yahoo.com/legal/us/yahoo/utos/terms/

32089. Re: [ham-antennas] How to wind up Coax link

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 03:49:47 UTC
From: Greg Liebig
Topic: 32085 Message: 32089

Thanks for the link! I just posted it on our non-profit website for Making Spirits Bright as we have lots of cords and cables to deal with each year!

From: "email4utoo@..." <email4utoo@...>
To: ham-antennas@yahoogroups.com
Sent: Thursday, April 17, 2014 11:31 AM
Subject: [ham-antennas] How to wind up Coax link

I get a Blog from KB6NU ,who sent me this , very helpful video and pics ,description of easy proper way to wind up your Coax cable to help from Tangling etc. , 73's , AJ KF5ZYB

ps i was taught to wind electric cords like this as well.

http://boingboing.net/2013/08/10/howto-over-under-cable-coiling.html

32090. My Introduction - VU3ILI

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 13:34:27 UTC
From: <vu3ili@...>
Topic: 32090 Message: 32090

Greetings to all,

I am really glad that i am part of this group, I take this opportunity to thank the moderator for his/her quick response on my request to add me.
Being a new-bee into this hobby, In-confidence that i will absolutely have a great learning experience being part of this group.

Request you all to please visit http://www.qrz.com/edit/VU3ILI
http://www.qrz.com/edit/VU3ILI to get to know my credentials'.

Thanking you all again and looking forward for many learnings and exchange of knowledge.

73, VU3ILI
Bangalore, India

32091. Introduction

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 14:54:51 UTC
From: dalecole3502@...
Topic: 6902 Message: 32091

Not trying to offend, just checking. Is the new VU that just came aboard a-ok? I would hope someone might have done the same to me when I first joined. If so, welcome to the group! Lots of good information here.

Dale K8TS

32092. RE: [ham-antennas] Introduction

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 15:14:40 UTC
From: Natarajan (VU3ILI)
Topic: 6902 Message: 32092

OM Dale K8TS

I am glad & more than happy to be cross verified and then accepted as a member.

Thanks & appreciate your initiative to welcome me and giving me confidence on information as “abundance platform to learn” in this group, my pleasure & honour for a new-bee like me.

Looking forward for some amazing gyan exchange in days to come.

==========

73 DE | VU3ILI | Natarajan A | Bangalore, India

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of dalecole3502@...
Sent: 18 April 2014 20:25
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Introduction

Not trying to offend, just checking. Is the new VU that just came aboard a-ok? I would hope someone might have done the same to me when I first joined. If so, welcome to the group! Lots of good information here.

Dale K8TS

32093. Re: [ham-antennas] My Introduction - VU3ILI

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 15:19:09 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32090 Message: 32093

Howdy. The company I work for has an office in Bangalore, and several hams floating around.

There is lots to learn about not only the antennas, but also the various modes and equipment. Have FUN!

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "vu3ili@..." <vu3ili@...>
To: ham-antennas@yahoogroups.com
Sent: Friday, April 18, 2014 9:34 AM
Subject: [ham-antennas] My Introduction - VU3ILI

Greetings to all,

I am really glad
that i am part of this group, I take this opportunity to thank the moderator for his/her quick
response on my request to add me.
Being a new-bee into this
hobby, In-confidence that i will absolutely have a great learning experience being
part of this group.

Request you all to please visit http://www.qrz.com/edit/VU3ILI to get to know my credentials'.

Thanking you all again and looking forward for many learnings and exchange of knowledge.

73, VU3ILI
Bangalore, India

32094. RE: [ham-antennas] My Introduction - VU3ILI

Yahoo group: ham-antennas (2014)
Date: 2014-04-18 15:23:45 UTC
From: Natarajan (VU3ILI)
Topic: 32090 Message: 32094

OM KK4QDZ,

Glad to hear about your M-QTH, Yes- I agree learning is an never ending exercise.

Thanks again for your kind words.

==========

73 DE | VU3ILI | Natarajan A | Bangalore, India

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Bill Blomgren (kk4qdz)
Sent: 18 April 2014 20:49
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] My Introduction - VU3ILI

Howdy. The company I work for has an office in Bangalore, and several hams floating around.

There is lots to learn about not only the antennas, but also the various modes and equipment. Have FUN!

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "vu3ili@outlook.com <mailto:vu3ili@...> " <vu3ili@... <mailto:vu3ili@outlook.com> >
To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
Sent: Friday, April 18, 2014 9:34 AM
Subject: [ham-antennas] My Introduction - VU3ILI

Greetings to all,

I am really glad that i am part of this group, I take this opportunity to thank the moderator for his/her quick response on my request to add me.
Being a new-bee into this hobby, In-confidence that i will absolutely have a great learning experience being part of this group.

Request you all to please visit http://www.qrz.com/edit/VU3ILI to get to know my credentials'.

Thanking you all again and looking forward for many learnings and exchange of knowledge.

73, VU3ILI
Bangalore, India

32095. Re: My Introduction - VU3ILI

Yahoo group: ham-antennas (2014)
Date: 2014-04-19 15:27:04 UTC
From: <i7swx@...>
Topic: 32090 Message: 32095

Hi NATARAJAN,

nice to meet you and welcome to the group.

There is always something to learn in an active group.

I was in Bangalore in February-March 2012, guess of Kumar, VU2BGS. A nice friend, a nice family and a nice staying. I hope to QSY again during 2015.

73 and na maste'

Gian
I7SWX

32096. RE: [ham-antennas] Re: My Introduction - VU3ILI

Yahoo group: ham-antennas (2014)
Date: 2014-04-19 15:34:03 UTC
From: Natarajan (VU3ILI)
Topic: 32090 Message: 32096

Hi I7SWX, Gian

Nice to meet you too, I agree learning is an never ending process, glad to know about your contact in Bangalore, India !! Am sure we shall catch up for an eyeball during your next 2015 visit.

==========

73 DE | VU3ILI | Natarajan A | Bangalore, India

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of i7swx@...
Sent: 19 April 2014 20:57
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: My Introduction - VU3ILI

Hi NATARAJAN,

nice to meet you and welcome to the group.

There is always something to learn in an active group.

I was in Bangalore in February-March 2012, guess of Kumar, VU2BGS. A nice friend, a nice family and a nice staying. I hope to QSY again during 2015.

73 and na maste'

Gian

I7SWX

32097. What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 20:38:47 UTC
From: <the_grinners@...>
Topic: 32097 Message: 32097

I have been trying to make a 4:1 Balun that works down on 3.7mhz
I am usung the Guanella type wound on unknow toriods (2x 8turns)
I have produced 3
but on testing them with a MFJ analysier and only carbon resistors (100ohm) across the unknow
am am only able to get the swr down around 2:1, the swr does go lower the higher in frequency.
Do i need a particular core? do i need non iductive resistors?
or need to buy a proven balun?

ps I thought the inductance would show it self at the higher frequencies and swr grow at higher frequencies

Thanks for any advice you may
post
ZL3DC

32098. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 20:49:51 UTC
From: Billy McFarland
Topic: 32097 Message: 32098

Hi,

What type of power is this balun for and what is the purpose of the balun (ie antenna is it for). It would be handy to know for advice on cores etc. Cores do matter as they are frequency dependent on the material used.

73 de GMØOBX Billy

From: "the_grinners@..." <the_grinners@...>
To: ham-antennas@yahoogroups.com
Sent: Sunday, 20 April 2014, 21:38
Subject: [ham-antennas] What am I doing wrong?

I have been trying to make a 4:1 Balun that works down on 3.7mhz
I am usung the Guanella type wound on unknow toriods (2x 8turns)
I have produced 3
but on testing them with a MFJ analysier and only carbon resistors (100ohm) across the unknow
am am only able to get the swr down around 2:1, the swr does go lower the higher in frequency.
Do i need a particular core? do i need non iductive resistors?
or need to buy a proven balun?

ps I thought the inductance would show it self at the higher frequencies and swr grow at higher frequencies

Thanks for any advice you may
post
ZL3DC

32099. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 21:02:27 UTC
From: Nick Norman
Topic: 32097 Message: 32099

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1

On 20/04/14 21:38, the_grinners@... wrote:
>
> I have been trying to make a 4:1 Balun that works down on 3.7mhz I
> am usung the Guanella type wound on unknow toriods (2x 8turns) I
> have produced 3 but on testing them with a MFJ analysier and only
> carbon resistors (100ohm) across the unknow am am only able to get
> the swr down around 2:1, the swr does go lower the higher in
> frequency. Do i need a particular core? do i need non iductive
> resistors? or need to buy a proven balun?
>
> ps I thought the inductance would show it self at the higher
> frequencies and swr grow at higher frequencies
>
> Thanks for any advice you may post ZL3DC
>
Umm 100R via 4:1 gives 25R so 2:1 SWR is about right - yes?

Or have I missed something here?

Nick
M0HGU

- --
IT WOULD BE A MILLION TO ONE CHANCE, said Death. EXACTLY
A MILLION TO ONE CHANCE. 'Oh,' said the Bursar, intensely
relieved. 'Oh dear. What a shame.'
(Eric)
22:00:01 up 8 days, 8:11, 6 users, load average: 0.80, 0.83, 0.75
-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1
Comment: Using GnuPG with Thunderbird - http://www.enigmail.net/

iQEcBAEBAgAGBQJTVDXiAAoJENZkL4at8XyqB5wH/RyhbGgNtJJaZLlWAEQu8b3G
3KUHGnxrLSAl/0ZC2gaNbuEHPlNRygrUWslxYxSWOXl/5S4Swbl0/UA+jLcpobnz
1y84DMWdcg+gdHVrm+rqlOgm93Kqb8IS69JGDTpxPOivvZ8XmzhGdRWIYy7wp8+M
lM/CHAxoQpiimQZBJ8V9IZHUkmK1qBSa52tJtqGGlpZrV1vXGtqCev/+Y+MyJr1A
vdR5R7V24Wg05o/hGV1ijLgshPbwAMXYppdf2ipHFXLJUkY4L9R/p+OceV/UfwSO
S2SFkF4gxixMX7lGknGH1GbzjClrndQkygXi4uZDZB0/P8jNiGKTvtxp7GplRAg=
=8Vt6
-----END PGP SIGNATURE-----

32100. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 21:04:27 UTC
From: Billy McFarland
Topic: 32097 Message: 32100

You should get 1.1:1 swr if it's a 200 ohm load no problem

73 Billy
GM0OBX

32101. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 21:24:19 UTC
From: Original Woodchuck
Topic: 32097 Message: 32101

Comments interleaved.

On Sun, Apr 20, 2014 at 01:38:47PM -0700, the_grinners@... wrote:
>
> I have been trying to make a 4:1 Balun that works down on 3.7mhz
> I am usung the Guanella type wound on unknow toriods (2x 8turns)
> I have produced 3
> but on testing them with a MFJ analysier and only carbon resistors (100ohm) across the unknow

Two resistors in series for 200ohms, correct?

> am am only able to get the swr down around 2:1, the swr does go lower the higher in frequency.
> Do i need a particular core? do i need non iductive resistors?

Yes. Carbon composites are supposed to be OK. But they're hard to find,
I think.

> or need to buy a proven balun?

No. Be a ham. Make one. Do you have a book?

>
> ps I thought the inductance would show it self at the higher frequencies and swr grow at higher frequencies
>
> Thanks for any advice you may
> post
> ZL3DC

Sounds like you need more inductance at low frequency: increase the
number of windings or change out the core for one of higher permeability.
If more windings won't fit, you can split this design of balun over
two cores. What sort of wire are you winding with?

73 Dave AB3NR

32102. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 21:26:31 UTC
From: Billy McFarland
Topic: 32097 Message: 32102

Correct two in series will give 200 ohm. Is if showing 2:1 swr with a 200 ohm load?

73 Billy
GM0OBX

32103. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 21:50:48 UTC
From: Frank Kirschner
Topic: 32097 Message: 32103

If you're making a 4:1 balun and testing it with a 100 ohm resistor, the transformed impedance would be 25 ohms (100 / 4). It shouldn't be surprising that you get around 2:1 SWR.

Try it with a 200 ohm resistor. 200 / 4 = 50, which should give you a low SWR on the analyzer.

73,
Frank
KF6E

On Sun, Apr 20, 2014 at 4:38 PM, <the_grinners@...> wrote:

>
>
>
> I have been trying to make a 4:1 Balun that works down on 3.7mhz
>
> I am usung the Guanella type wound on unknow toriods (2x 8turns)
>
> I have produced 3
>
> but on testing them with a MFJ analysier and only carbon resistors
> (100ohm) across the unknow
>
> am am only able to get the swr down around 2:1, the swr does go lower the
> higher in frequency.
>
> Do i need a particular core? do i need non iductive resistors?
>
> or need to buy a proven balun?
>
>
>
> ps I thought the inductance would show it self at the higher frequencies
> and swr grow at higher frequencies
>
>
>
> Thanks for any advice you may
>
> post
>
> ZL3DC
>
>

>

32104. Re: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 22:18:59 UTC
From: Joe
Topic: 32097 Message: 32104
Attachments: 1 described; binary payloads are missing from this source WARC

Are you making the resistance 200 ohms? you say 100 and multiple
resistors. but youre not clear if you actually have 200 ohms on the
unit. 100 ohms would be 2 to 1

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/20/2014 3:49 PM, Billy McFarland wrote:
>
>
> Hi,
>
> What type of power is this balun for and what is the purpose of the
> balun (ie antenna is it for). It would be handy to know for advice on
> cores etc. Cores do matter as they are frequency dependent on the
> material used.
>
>
>
> *73 de GMØOBX Billy*
>
> ---
> *From:* "the_grinners@..." <the_grinners@...>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Sunday, 20 April 2014, 21:38
> *Subject:* [ham-antennas] What am I doing wrong?
>
>
> I have been trying to make a 4:1 Balun that works down on 3.7mhz
> I am usung the Guanella type wound on unknow toriods (2x 8turns)
> I have produced 3
> but on testing them with a MFJ analysier and only carbon resistors
> (100ohm) across the unknow
> am am only able to get the swr down around 2:1, the swr does go lower
> the higher in frequency.
> Do i need a particular core? do i need non iductive resistors?
> or need to buy a proven balun?
> ps I thought the inductance would show it self at the higher
> frequencies and swr grow at higher frequencies
> Thanks for any advice you may
> post

> ZL3DC
>
>
>
>
>

32105. RE: [ham-antennas] What am I doing wrong?

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 22:42:21 UTC
From: Richard Schmuke
Topic: 32097 Message: 32105

I make the Guanella type baluns all the time, when following the “book” I get a sweet spot of low SWR at about 10MHz and have to add a few turns of wire to move the low SWR to a lower frequency for a 160/80 balun.

http://i1102.photobucket.com/albums/g453/KD0ZZ/2rod.jpg

The resistance needs to be 200 OHM , carbon or non-inductive. You cannot check one by its self as they are just a 1:1 balun then crossed at one end making a 4:1. You can put a switch between the baluns at the input end and make it a 1:1 or 4:1 switchable balun.

http://i1102.photobucket.com/albums/g453/KD0ZZ/EndView-1.jpg

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of the_grinners@...
Sent: Sunday, April 20, 2014 3:39 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] What am I doing wrong?

I have been trying to make a 4:1 Balun that works down on 3.7mhz

I am usung the Guanella type wound on unknow toriods (2x 8turns)

I have produced 3

but on testing them with a MFJ analysier and only carbon resistors (100ohm) across the unknow

am am only able to get the swr down around 2:1, the swr does go lower the higher in frequency.

Do i need a particular core? do i need non iductive resistors?

or need to buy a proven balun?

ps I thought the inductance would show it self at the higher frequencies and swr grow at higher frequencies

Thanks for any advice you may

post

ZL3DC

[Non-text portions of this message have been removed]

32106. 2 Large Ceramic Antenna Insulators - NEW

Yahoo group: ham-antennas (2014)
Date: 2014-04-20 22:46:03 UTC
From: <kz3dx@...>
Topic: 32106 Message: 32106

This is a pair of NEW Ceramic porcelain glazed antenna insulators. These are Industrial/Commercial/Marine grade insulators. The size is 1 1/2 inches by 2 1/4 inches. They can be used with wire or cable up to 7/16 inch.
For antennas or guy wires.
I am going to try to post a picture in the Photos section.
Price is 2 for $11.95 with FREE SHIPPING in the lower 48 states.
Please email me at: kz3dx at yahoo.com
Thanks,
Bill KZ3DX

32107. Baluns and Ferrite Rods

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 06:59:50 UTC
From: Rodney Davis PhD.
Topic: 32107 Message: 32107
Attachments: 1 described; binary payloads are missing from this source WARC

What do you guys recommend for specs for ferrite rods used to make baluns. I have made them with torrid cores but would like to make some with ferrite rods just not sure what type and size for lets say rated to 1.5kw…..Also what gauge magnet wire would you recommend…
W3LDR

32108. 2m-70cm Dual band antenna build video

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 13:56:58 UTC
From: Greg Liebig
Topic: 32108 Message: 32108

Hello,
I wanted to let you know that I've modified the plans posted at http://ve3elb.ham-radio.ch/2m-70cm%20antennas.html for use with copper piping and a di-electric insulator and made an instructional video you can watch at http://youtu.be/60NQ4ZKoooA. The swr was under 1.5 and so far the antenna is working great.

32109. UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 19:25:55 UTC
From: Natarajan (VU3ILI)
Topic: 32109 Message: 32109

QST,

Greetings to all,

I am looking for some valuable inputs to decide on the type of antenna for my shack (base station Yaesu FT-857D) which I am planning to setup in days to come, am looking for fellows hams who have seen, heard, read, used or have been using the below listed antennas to suggest me - can I go for it or not. If no what can I go in for..

UHF/VHF

* <http://www.diamondantenna.net/d130j.html>
http://www.diamondantenna.net/d130j.html

HF

*
<http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&product
s_id=13>
http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&products
_id=13

* <http://www.diamondantenna.net/cp6ar.html>
http://www.diamondantenna.net/cp6ar.html

Appreciating your initiative, Thanking you in advance.

==========

73 DE | VU3ILI | Natarajan A | Bangalore, India

32110. RE: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 19:40:51 UTC
From: MIKE DURKIN
Topic: 32109 Message: 32110

why discone?

you planning on running 1.25m?

dual j-pole and dual band sleave antennas workfine for 2m/70cm

mike kc7noa

To: ham-antennas@yahoogroups.com
From: vu3ili@...
Date: Tue, 22 Apr 2014 00:55:55 +0530
Subject: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

QST, Greetings to all, I am looking for some valuable inputs to decide on the type of antenna for my shack (base station Yaesu FT-857D) which I am planning to setup in days to come, am looking for fellows hams who have seen, heard, read, used or have been using the below listed antennas to suggest me – can I go for it or not. If no what can I go in for…. UHF/VHF · http://www.diamondantenna.net/d130j.html HF· http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&products_id=13 · http://www.diamondantenna.net/cp6ar.html Appreciating your initiative, Thanking you in advance. ==========73 DE | VU3ILI | Natarajan A | Bangalore, India

32111. RE: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 19:59:51 UTC
From: Scott Myers
Topic: 32109 Message: 32111

On the HF:

I'm somewhat biased, but you'll not do any better at the price point and in a 25' vertical than the Butternut, and I've tried a lot of verticals. But be realistic about your expectations on 75M. When it comes to HF, there is no substitute for physical size. It does very well on 40M and above. The other nice thing about it is it doesn't use traps, so it is lightweight and not top heavy. All the weight is near the bottom. You can add the WARC bands to it later if you wish, but it requires a retune when you do. But you MUST use radials.

I'll let others comment on UHF/VHF.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Natarajan (VU3ILI)
Sent: Monday, April 21, 2014 3:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

QST,

Greetings to all,

I am looking for some valuable inputs to decide on the type of antenna for my shack (base station Yaesu FT-857D) which I am planning to setup in days to come, am looking for fellows hams who have seen, heard, read, used or have been using the below listed antennas to suggest me - can I go for it or not. If no what can I go in for..

UHF/VHF

. <http://www.diamondantenna.net/d130j.html>
http://www.diamondantenna.net/d130j.html

HF

. http://www.bencher.com/ham/index.php?main_page=product_info
<http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&products_id=13> &cPath=4&products_id=13

. <http://www.diamondantenna.net/cp6ar.html>
http://www.diamondantenna.net/cp6ar.html

Appreciating your initiative, Thanking you in advance.

==========

73 DE | VU3ILI | Natarajan A | Bangalore, India

32112. AW: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 20:10:56 UTC
From: siegfried jackstien
Topic: 32109 Message: 32112

```
>
> UHF/VHF
>
> . http://www.diamondantenna.net/d130j.html
> <http://www.diamondantenna.net/d130j.html>
```

Wideband antenna that has no gain on vhf/uhf

I would use a dualband stacked vertical like x300 (or similar)

All these stacked verticals just have ONE MAJOR problem!!! All connections in these antennas are crimped (and most of them are wiggling even when brand new) ... so additionally soldering them is a good idea (complete dismantle the antenna and solder ALL crimped connections)

```
>
> HF
>
> .
> http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&produc
> ts_id=13
> <http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&produ
> cts_id=13>
```

The butternut is a very good antenna but needs a good radial-field below to work fine (as every ground mounted antenna)

```
>
> . http://www.diamondantenna.net/cp6ar.html
> <http://www.diamondantenna.net/cp6ar.html>
>
```

Traps add losses in the antenna (all traps in a row on lowest band) ... so I would not use that

And ... cp6 has no warc bands ...

...

Why do you wanna go vertical on shortwave?!? ... no way for installing a dipole or loop?!?

....

Buy some good antenna books :-)

Dg9bfc

Sigi

Ps I would install a ladderline fed loop or dipole ... and maybe a 43 feet vertical with autotuner at the base

32113. Re: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-21 20:26:16 UTC
From: Kenneth G. Gordon
Topic: 32109 Message: 32113

> http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&produc
> ts_id=13

This antenna works quite well for what it is: rather short for bands below 20, but still OK. It is a 3/8 wave antenna on 20 and pretty much requires a certain length of coax as a matching section.

> ? http://www.diamondantenna.net/cp6ar.html

This one is much too short: to my mind, all it is is an expanded mobile whip with loading coils.

Probably all right in an emergency, but certainly not one I would choose for a home station antenna.

Ken W7EKB

32114. Re: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 02:08:56 UTC
From: Alex Netherton
Topic: 32109 Message: 32114

OK, I am going to chime in too, as I have been playing with antennas since
1979 or so. Until this last Spring, I had not ever bought a HF antenna
accept for some converted CB antennas for 10 meters. However, your choices
are (gasp!) expensive! I have seen people use an Eagle One with a tuner,
and spend less than any of these HF antennas. I have slung up antennas that
cost a few dollars, tuned to all bands, and worked the world with them.
There is a nice alternative to the expensive Diamond Discone on eBay that
will cover your little rig just fine, see
here<http://www.ebay.com/itm/121319915539?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AM
EBIDX%3AIT>.
A discone is wasted unless you are going for the 900 mhz band or 1240. The
857D won't go there...

I do not believe in spending more than I need to, even on antennas, but if
you have deep pockets and can afford it, these will all do a good job.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Mon, Apr 21, 2014 at 4:26 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

> >
> http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&produc
> > ts_id=13
>
> This antenna works quite well for what it is: rather short for bands
> below 20, but still OK. It is a 3/8 wave antenna on 20 and pretty much
> requires a certain length of coax as a matching section.
>
> > · http://www.diamondantenna.net/cp6ar.html
>
> This one is much too short: to my mind, all it is is an expanded mobile
> whip with loading coils.
>
> Probably all right in an emergency, but certainly not one I would choose
> for a home station antenna.
>
> Ken W7EKB
>
>
> ------------------------------------

>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
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>

32115. Re: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 02:27:24 UTC
From: Walt Wilson
Topic: 32109 Message: 32115

May as well jump in. Apparently you are trying to get one antenna that will do it all. Maybe I am stupid, but I have not encountered or built an antenna that will cover everything. I have a Horizontal dipole that covers from 160 to 6 meters, and I have seen tons of home made VHF/UHF antennas, j-poles, etc. Nothing in my experience has ever shown me one antenna that can do all bands well. Even with an antenna tuner, the HF antenna does not also cover the VHF/UHF bands well if at all. Normally the HF and the VHF are far enough apart that they do not do well on one antenna. As with all things I suppose there is an exception to the rule out there somewhere. But it sounds like your looking for two antenna’s to cover all you mention. These two could be inexpensive compared to a lot of the big bad factory models. I have a home built Vertical made from a CB antenna and ground mounted. I use a 4:1 UNUN and it tunes pretty well from 10 through 40 meters. With further adjustments I feel it will be able to cover 80 meters as well. The point is that it still takes two antennas to cover these very different bands. Less expensive or outrageous, the same holds true as far as the ones I have played with. You are certainly welcome to do your shopping or home brew building as your thoughts dictate. But for the less expensive but useful antennas, two would seem to be what you need
KK4FAL

From: Alex Netherton
Sent: Monday, April 21, 2014 10:08 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] UHF / VHF / HF Antenna : your input please much appreciated.....

OK, I am going to chime in too, as I have been playing with antennas since 1979 or so. Until this last Spring, I had not ever bought a HF antenna accept for some converted CB antennas for 10 meters. However, your choices are (gasp!) expensive! I have seen people use an Eagle One with a tuner, and spend less than any of these HF antennas. I have slung up antennas that cost a few dollars, tuned to all bands, and worked the world with them. There is a nice alternative to the expensive Diamond Discone on eBay that will cover your little rig just fine, see here. A discone is wasted unless you are going for the 900 mhz band or 1240. The 857D won't go there...

I do not believe in spending more than I need to, even on antennas, but if you have deep pockets and can afford it, these will all do a good job.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

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> http://www.bencher.com/ham/index.php?main_page=product_info&cPath=4&produc
> ts_id=13

This antenna works quite well for what it is: rather short for bands below 20, but still OK. It is a 3/8 wave antenna on 20 and pretty much requires a certain length of coax as a matching section.

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This one is much too short: to my mind, all it is is an expanded mobile whip with loading coils.

Probably all right in an emergency, but certainly not one I would choose for a home station antenna.

Ken W7EKB

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Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
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Subscribe: ham-antennas-subscribe@yahoogroups.com
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Yahoo Groups Links

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4355 / Virus Database: 3882/7372 - Release Date: 04/21/14

32116. Re: UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 12:53:05 UTC
From: <cosmocyb@...>
Topic: 32109 Message: 32116

I would just like to add my 2 cents. I have experimented with some of these vertical antennas as an experiment. Their performance is somewhat disappointing and setup is a nightmare. The butternut antenna is very tuning sensitive, bandwith is very tight, you still need lots of radials, unless you park it at 30' above ground. It has since been sold to someone else. What I myself have done is look at what I want to do within the hobby, and be selective. I have separate antennas for 2 meter and 440, A separate Texas 6 meter antenna. And a 33' S-9 with a 4:1 Unun for my HF antenna.
I went separate on the VHF/UHF antennas to get a greater range of bandwidth. That allows me both repeaters and Simplex. Same reason for the separate 6 meter antenna. My HF vertical is 33' because I live in an HOA. The antenna is hidden from prying eyes by 2-40 foot trees. I have had great success with this antenna, I have a limited area for radials, but was able to get down about 16 at 12 to 33 feet long. I also constructed 3 Petlowany coils to further help both transmission and reception. I have talked around the world with it, literally from Russia to South Africa and Patagonia to Finland and lots of places in between.
The one thing that I have learned is this. There is no one antenna that can do it all. Join a club, go to meetings, make lots of ham friends and pick their brains. Every area of the country has its own unique set of circumstances, areas like blackholes, soil conductivity problems, and the list goes on. Then apply what you have learned to your situation and grow from there. Thanks
Dave W9CAC

32117. RE: [ham-antennas] Re: UHF / VHF / HF Antenna : your input please much appreciated.....

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 13:57:19 UTC
From: Richard Schmuke
Topic: 32109 Message: 32117

This is just my point of view. Nothing is simpler than a VHF/UHF vertical. It can be as simple as a SO-239 and some wire.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00811.jpg

The picture is a close up of one of many I have made, you can make a 1/4wl 2M vertical antenna and add a 440 stub and operate on two bands. I use stainless steel wire for its stiffness but copper will do. Some nay-sayers will claim stainless is hard to solder but with a little flux it is no problem. Here is a picture of my 1/8" SS wire with a 1/16" upper section of the same antenna, it was done for looks as I did not want to buy a tapered wire and a full 19" of 1/8" wire looked a little clunky,
http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00812.jpg

For HF start with a simple dipole and add from that point. A fan dipole can cover as many bands as you want. Here is a picture of one installed that cover 6 bands.
http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00812.jpg. Today I am using a loop that covers 9 bands.

Nothing sounds or hears better than a homemade antenna, IMHO.

Rich, Kd0zz

<https://groups.yahoo.com/neo;_ylc=X3oDMTJlY3RuNDhmBF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTM5ODE3MTE4Ng--> Image removed by sender. Yahoo! Groups

• <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> Privacy • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <https://info.yahoo.com/legal/us/yahoo/utos/terms/> Terms of Use

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[Non-text portions of this message have been removed]

32118. Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 14:15:18 UTC
From: <ve5uj@...>
Topic: 32118 Message: 32118

There is an antenna project planned for a five story steel frame apartment in the city. The proposal is to use a SGC 239 coupler feeding a 45 foot vertical aluminum roof top mast. The coupler would be located at the base of the vertical mast where the connection to the building's steel frame is available. Building administrators will allow no wires on the roof so there is no opportunity for radials or counterpoise.
The thought is that long mast will pick up a lot of static during summer electrical storms and winter snow storms and maybe a balun at the feed point would be an advantage. The other proposal is a heavy RF choke across the feed point to the ground connection. The operator is active from 3.5 to 29 Mhz. and the coupler allows her to operate this range of frequencies on her present indoor 40 metre dipole. Comments and experiences would be appreciated. Thanks, 73
Gordon, VE5UJ

32119. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 14:48:12 UTC
From: <email4utoo@...>
Topic: 32109 Message: 32119

Natarajan, do you have space restrictions ? I use a OCF for 80-10 that is approx 94ft one leg and the other is 44ft, is working very well with a little Emtech Z-2 tuner kit i built , (can be purchased assembled), i did find a vertical 80-6meters ,i am considering for Base and Portable HF use here on EBAY he has a video here as well- low cost and has good reviews, this Guy is a Ham for many years making antennas, 100% Satisfied buyers as well, - I plan to buy one soon, even considering two for Phasing them .
http://www.ebay.com/itm/321378721889?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT http://www.ebay.com/itm/321378721889?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT

or type in item # - 321378721889

has good reviews on EHAM as well as Buyers reviews -
http://www.eham.net/reviews/detail/10903 http://www.eham.net/reviews/detail/10903
Video here -https://www.youtube.com/watch?v=-PZN7InAUug
https://www.youtube.com/watch?v=-PZN7InAUug

no matter what you choose , enjoy all , 73s, AJ KF5ZYB

32120. Re: [ham-antennas] Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 22:07:17 UTC
From: Alex Netherton
Topic: 32118 Message: 32120

I do not understand the thing about a heavy RF choke, but...
a 45 foot vertical should work fine from about 40 meters up, and fair on 80
and 60. It will have a low angle of radiation on 20 and up, so will be good
for DX, but it will have to have an antenna tuner.

Have fun

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, Apr 22, 2014 at 10:15 AM, <ve5uj@...> wrote:

>
>
> There is an antenna project planned for a five story steel frame apartment
> in the city. The proposal is to use a SGC 239 coupler feeding a 45 foot
> vertical aluminum roof top mast. The coupler would be located at the base
> of the vertical mast where the connection to the building's steel frame is
> available. Building administrators will allow no wires on the roof so there
> is no opportunity for radials or counterpoise.
>
> The thought is that long mast will pick up a lot of static during summer
> electrical storms and winter snow storms and maybe a balun at the feed
> point would be an advantage. The other proposal is a heavy RF choke across
> the feed point to the ground connection. The operator is active from 3.5
> to 29 Mhz. and the coupler allows her to operate this range of frequencies
> on her present indoor 40 metre dipole. Comments and experiences would be
> appreciated. Thanks, 73
>
> Gordon, VE5UJ
>
>
>

32121. Re: [ham-antennas] Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 22:12:00 UTC
From: Geoff NW7GM
Topic: 32118 Message: 32121

That's what the SGC-239 is for.

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 22, 2014 at 3:07 PM, Alex Netherton <anetherton@...>wrote:

> but it will have to have an antenna tuner.
>
>
>

32122. Re: [ham-antennas] Single conductor - Heavy RF choke.

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 23:33:42 UTC
From: Kenneth G. Gordon
Topic: 32118 Message: 32122

On 22 Apr 2014 at 18:07, Alex Netherton wrote:

> I do not understand the thing about a heavy RF choke,

That is to provide a DC connection from the antenna to a ground point
without effecting the RF connection to the antenna.

Its primary purpose is lightning protection. It also serves as a static drain.

Ken W7EKB

32123. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 23:56:17 UTC
From: <ke7zag@...>
Topic: 32109 Message: 32123

Hi Natarajan,

I own and use a Bencher Butternut HF9V which is the 9 band version of the HF6V. It is a good physically short vertical for 6 through 80, and will work in a limited fashion on 160. Carefully read the installation instructions regarding mounting, as ground mounting requires an extensive ground radial field for the antenna to be effective. If it is on a mast or roof it will require some form of lengthy counterpoise system cut to resonant lengths for the bands you intend to work. Or, it can be mounted on a large area of metal roofing as long as the area is large enough to create a reflective ground plane.

The HF9V is also resonant on 2 meters and works very well on FM vertical polarization, so with a bit of creative cabling and a very minor amount of tuning you can use it on that band. Never checked the HF6V, but would expect it to be very close to the HF9V on 2 meters.

One thing to consider with the Bencher Butternut antennas is that they are not easy to tune. It takes a great deal of time and effort with a decent antenna analyzer to properly set one up and have it actually perform where it should. Another consideration is wind, they do not take kindly to high winds and will require maintenance. I repair mine after every 80 mph wind, and then have to retune it to bring it back into my usable frequencies. My opinion is that they are excellent vertical antennas, but maybe not for the person just starting out as they can be quite daunting and labor intensive.

If available in India, I would consider the Zero-Five 6-80 meter ground plane vertical for a new HF vertical antenna installation, they require no tuning, go together in a very short time, and have a very effective ground plane system built into them when properly mounted. They have much better wind resistance than the Butternut. They also cost much less than the Butternut and are far more durable.

I have used the CP6AR and would not recommend it to anyone for any purpose if they had to pay for the thing. I got mine for free and ended up scrapping it to use in a homebrew project, and it was great for that!

The Yaesu 857D is a 160 through 6 meter rig in the States, with 2 meters and 70cm included. If the version available in India has the ability to use 23 and 33cm bands, then it may be useful to acquire the Diamond Discone. But, if you are looking at the same frequency availability on that rig in India as in the States, I would look for a much simpler dual band antenna, or build my own vertical or horizontal dipoles for 2 meters and 70cm.

Best of luck,
Randy

32124. Re: [ham-antennas] Single conductor - Heavy RF choke.

Yahoo group: ham-antennas (2014)
Date: 2014-04-22 23:59:43 UTC
From: Don Sanders
Topic: 32118 Message: 32124

I have used an RF Amp plate choke as a static drain and "usually" disconnect the ant in the station if not home or a storm comes by. Fortunately we get few lightening storms here on the Pacific coast of Ecuador but lots of rain and wind so the static drain helps.
Yes, I know that lightening will vaporize it so that is why I disconnect inside. Haven't had one vaporize yet in 60 years but still play it safe.

Don HC4/W4BWS

On Tue, Apr 22, 2014 at 6:33 PM, Kenneth G. Gordon <kgordon2006@...
> wrote:

>
>
> On 22 Apr 2014 at 18:07, Alex Netherton wrote:
>
> > I do not understand the thing about a heavy RF choke,
>
> That is to provide a DC connection from the antenna to a ground point
> without effecting the RF connection to the antenna.
>
> Its primary purpose is lightning protection. It also serves as a static
> drain.
>
> Ken W7EKB
>
>

32125. Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 13:04:56 UTC
From: <jerrybosak@...>
Topic: 31890 Message: 32125

Jim,

The General Class Amateur Radio License does not expect anyone to know anything.
The license examination itself is nothing more then a primer.
The questions on the test exposes the operator to a smorgasbord of topics and gives you a little exposure to those topics.

The old hams that wrote the test uses this as a way to identify those that are unwilling to study and learn.

The test itself is nothing more then memorization.
A person that has a good memory can identify the questions and pair them up to the right answer and regurgitate the right answer just long enough to get the license.

The antenna book shows you how to build a simple antenna.
Lets take the G5RV for example.
The G5RV is a very poor resonator.
It's creator - Louis Varney took that design to the grave with him, because it bothered him so much that it didn't work especially well - anywhere except 20 meters.

When the G5RV was designed, the transmitters used tubes and the matching networks were very robust..
A Johnson Matchbox is a good example.
Un-knowledgeable hams often times exclaimed that you could tune up everything from a bed bug to the London bridge as long as you used a piece of ladder line..

It was the coaxial cable that caused all the problems for the hams that came along after the golden era of ham radio.

The only thing the antenna book will teach you is how to layout and build a antenna.. The rated gain of the antenna and the lobe angle expected from the antenna at X height.

The take off angle of your signals and the signals you wish to receive is very important.

Everything pertaining to radio is all about Location, Location, Location....

Being in the highest place gives you a great take off angle and offers you the most signal available, but also increases the noise level..

Its not always advantageous to have the highest antenna or live in the highest elevations.

NVIS can be a very good antenna if you do not want to work DX, and just want to listen locally - up to 500 miles - which is what most hams does anyways.

My Elmer once said there are two kinds of antenna's, the kind that works and the kind that does not!

---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

32126. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 13:09:59 UTC
From: <jerrybosak@...>
Topic: 31890 Message: 32126

That is the problem with HAMS!

They tend to be frugal with their money...

Sometimes you have to take the plunge and spend the denaro's...

32127. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 13:29:45 UTC
From: <jerrybosak@...>
Topic: 31902 Message: 32127

Dave,

Today's research involves designing small antenna's for shorter wavelenght's cell phones in particular.
I know when I did some research on the previous Chancellor for Dubois Penn State - Ping Werner, Ping and her husband holds 3 US Patent's for antenna's...

Ping teaches a basic electronic's 101 class at Dubois Penn State...

As far as technology goes, amateur radio is very old technology and mostly under rated as anything but a novelty in today's academic world.

In the DEF building in Dubois they have on display a old World War II aircraft transmitter and receiver - ARC 5..

As long as Amateur Radio is being portrayed as people using this antiquated technology - we are not going to entice younger people to this hobby.

The schools themselves - other then government grants and high tech companies giving the schools grant money to invent these new technologies - this stuff is all going by the wayside...

The only thing that schools and kids cares about today is cell phones and Ipods and I pads and lap top computers and what is in it for them...
You can mention most any video game to most any IT student or instructor and they can hold a intelligent conversation for hours but ask them the most simple question about two way radio and they are in the dark.

The schools are getting rid of the older books and most everything is going digital... Even the text books are mostly obsolete.

32128. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 13:45:53 UTC
From: Chuck Schultz
Topic: 31890 Message: 32128

I like this .....I have been a Ham for 35years and about 10 years ago while explaining something to a new Ham I admitted that when I licensed I knew nothing. It took a long time for me to realize that those things that I remembered from my cramming were being used daily & those I could not quite remember I knew were there and where to look them up for whatever I was doing. Soon I realized I knew what I had memorized so many years ago . Never scorn a feller that took whatever it took to join in with us .....Chuck Wq5B

On 4/24/2014 8:04 AM, jerrybosak@... wrote:

>
> Jim,
>
>
> The General Class Amateur Radio License does not expect anyone to know
> anything.
> The license examination itself is nothing more then a primer.
> The questions on the test exposes the operator to a smorgasbord of
> topics and gives you a little exposure to those topics.
>
> The old hams that wrote the test uses this as a way to identify those
> that are unwilling to study and learn.
>
> The test itself is nothing more then memorization.
> A person that has a good memory can identify the questions and pair
> them up to the right answer and regurgitate the right answer just long
> enough to get the license.
>
> The antenna book shows you how to build a simple antenna.
> Lets take the G5RV for example.
> The G5RV is a very poor resonator.
> It's creator - Louis Varney took that design to the grave with him,
> because it bothered him so much that it didn't work especially well -
> anywhere except 20 meters.
>
> When the G5RV was designed, the transmitters used tubes and the
> matching networks were very robust..
> A Johnson Matchbox is a good example.
> Un-knowledgeable hams often times exclaimed that you could tune up
> everything from a bed bug to the London bridge as long as you used a
> piece of ladder line..
>
> It was the coaxial cable that caused all the problems for the hams
> that came along after the golden era of ham radio.
>
> The only thing the antenna book will teach you is how to layout and

> build a antenna.. The rated gain of the antenna and the lobe angle
> expected from the antenna at X height.
>
> The take off angle of your signals and the signals you wish to receive
> is very important.
>
> Everything pertaining to radio is all about Location, Location,
> Location....
>
> Being in the highest place gives you a great take off angle and offers
> you the most signal available, but also increases the noise level..
>
> Its not always advantageous to have the highest antenna or live in the
> highest elevations.
>
> NVIS can be a very good antenna if you do not want to work DX, and
> just want to listen locally - up to 500 miles - which is what most
> hams does anyways.
>
> My Elmer once said there are two kinds of antenna's, the kind that
> works and the kind that does not!
>
>
> ---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :
>
> I'm sure this is some kind of heresy but I just have terrible time
> understanding the ARRL Antenna Book. Can you guys suggest something
> different that I can read that will help me understand antennas? I
> know that I am supposed to have a complete understanding of the
> subject to have a General Class license but that just ain't the case.
>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32129. RE: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 15:01:23 UTC
From: Richard Schmuke
Topic: 31890 Message: 32129

A complete understanding of antennas is a very complex task for any one not in the field of designing antennas. Making a simple dipole to start with is the way to go. The more you build the more you will learn. Back in the late 70’s I bought a CB radio because everyone else had one, I then mounted it on my motorcycle, a very odd move back then. Most antennas were made for the top of a car or truck, I needed something different , as I researched what was available. I then found two school of thought , CB radios seem to spawn some very strange ideas and people and could not work on their equipment.. I found another group of “radio” people the had some idea of my problem. Talking with the people in the antenna development lab I found most of them were also amateur radio people. They sent me in the right direction and a found a antenna for a fiberglass boat is what I needed and opened a door to what has been a life time of enjoyment. I feel very comfortable today with antennas but it did not come with a test or piece of paper but buy building things. Gone are the day of building your own 100 watt plus radio from the local parts emporium but building your own antenna and QRP rigs are very much alive.

Put up a dipole and enjoy it, if you are into VHF make a copper J-Pole for 2M, it’s easy, has gain and you will enjoy being able to say I made it myself. You can make the same J-Pole with some wire taped to a broom stick. After a few builds it will all be clear.

Rich, kd0zz

---In ham-antennas@yahoogroups.com, <mailto:jim.geidl@...> <jim.geidl@...> wrote :

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

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This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

32130. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 15:15:09 UTC
From: Joe - W7RKN
Topic: 31890 Message: 32130

I found that when I travel, the 6" dummy load wasn't a very good antenna when in an all steel framed hotel room, no matter what floor I was on...so...some TV 300 ohm twin lead, an SMA connector and a 6 foot length of RG-175, soldered to the TV lead, that had one lead cut to frequency, ie: a j-pole, and a hook at the top, clipped to the curtain rod in the hotel room, turned my 5 watt HT into a great radio for all the local repeaters. Best part, was when it was time to leave, it rolled up into a small bundle that fit into my radio and electronics go-bag. it would even go into my briefcase and not interfere with any paperwork inside!

Joe - W7RKN

----- Original Message -----
From: "Richard Schmuke" <rdj@...>
Subject: RE: [ham-antennas] Re: Antenna book

Put up a dipole and enjoy it, if you are into VHF make a copper J-Pole for 2M, it’s easy, has gain and you will enjoy being able to say I made it myself. You can make the same J-Pole with some wire taped to a broom stick. After a few builds it will all be clear.

32131. RE: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 15:19:16 UTC
From: <jara8462@...>
Topic: 31890 Message: 32131

You are right with that statement, though spending money you do not have is like trying to swim without any water to do so in. That is the case of the majority of hams I know, the money is not there to spend for any reason or price, regardless of want or need.

John, kd8paf

32132. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 15:44:54 UTC
From: Keith Heimbold
Topic: 31890 Message: 32132

I am heading towards my fourth year licensed and totally agree that you just need to be good at memorizing and nearly anyone can pass all the tests.

However obtaining the license is really only the first step in exploring what is an awesome hobby and adventure in continuous learning. The real exploration for me has been in rediscovering my old electronics technician training from my Navy days and my SWLing hobby when I was a kid.

Now I build homebrew antennas using books like the Antenna Compendium, the ARRL Antenna Book, Low Band DXing,and the Internet etc. I think antennas are the most fascinating part of the hobby for me. And experimentation starting from building the simplest dipole to building homebrew 6m yagis, or K9AY receive antennas or homebrewing slopers for low bands has been more rewarding for me than all the commercial bought and installed antennas that I have owned.

I actually enjoy the antenna projects almost more than I do operating. It is funny how that happened. This is a great yahoo group where I have also learned a lot.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Apr 24, 2014, at 6:05 AM, jerrybosak@yahoo.com wrote:
>
> Jim,
>
>
> The General Class Amateur Radio License does not expect anyone to know anything.
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>

> When the G5RV was designed, the transmitters used tubes and the matching networks were very robust..
> A Johnson Matchbox is a good example.
> Un-knowledgeable hams often times exclaimed that you could tune up everything from a bed bug to the London bridge as long as you used a piece of ladder line..
>
> It was the coaxial cable that caused all the problems for the hams that came along after the golden era of ham radio.
>
> The only thing the antenna book will teach you is how to layout and build a antenna.. The rated gain of the antenna and the lobe angle expected from the antenna at X height.
>
> The take off angle of your signals and the signals you wish to receive is very important.
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> Everything pertaining to radio is all about Location, Location, Location....
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> Being in the highest place gives you a great take off angle and offers you the most signal available, but also increases the noise level..
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> Its not always advantageous to have the highest antenna or live in the highest elevations.
>
> NVIS can be a very good antenna if you do not want to work DX, and just want to listen locally - up to 500 miles - which is what most hams does anyways.
>
> My Elmer once said there are two kinds of antenna's, the kind that works and the kind that does not!
>
>
> ---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :
>
> I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.
>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>

32133. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 15:58:55 UTC
From: Kenneth G. Gordon
Topic: 31902 Message: 32133

On 24 Apr 2014 at 6:29, jerrybosak@... wrote:

> In the DEF building in Dubois they have on display a old World War II aircraft
> transmitter and receiver - ARC 5..

Too bad it's on display: I use those, receivers and transmitters, regularly here. As far as I am concerned, the ARC-5 receivers were the absolute finest single-band receivers ever produced. Aircraft Radio Corp included several true geniuses amongst its staff.

> As long as Amateur Radio is being portrayed as people using this antiquated
> technology - we are not going to entice younger people to this hobby.

This "antiquated technology" has many features which are still valuable today: like being EMP proof....

> The schools themselves - other then government grants and hig h tech companies
> giving the schools grant money to invent these new technologies - this stuff is
> all going by the wayside...

Sadly, yes. The young are not taught that just because something is "old" doesn't mean it is worthless.

Although this is WAY off topic, I'll mention it anyway to illustrate my point: some time ago, I sold a Collins R-389 VLF receiver to a fellow who worked at a University in the midwest in the Mechanical Engineering Department. The receiver was shipped to his lab at the U where he worked. When it arrived, his female work-study student watched him unpack it and then stated, "What do you want THAT old thing for?"

Then he plugged it in, turned it on, and operated the tuning mechanism.

Her eyes bugged out as the tuning racks moved up and down and the motorized dial spun and she didn't say another word, but she spent almost the rest of the day operating the receiver while trying to figure out how the designers did what they did and why.

All my buyer did was smile and watch her.

> The only thing that schools and kids cares about today is cell phones and Ipods
> and I pads and lap top computers and what is in it for them... You can mention
> most any video game to most any IT student or instructor and they can hold a
> intelligent conversation for hours but ask them the most simple question about
> two way radio and they are in the dark.

Agreed.

> The schools are getting rid of the older books and most everything is going
> digital... Even the text books are mostly obsolete.

Sigh...

Ken W7EKB

32134. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 16:01:18 UTC
From: Kenneth G. Gordon
Topic: 31890 Message: 32134

On 24 Apr 2014 at 6:09, jerrybosak@... wrote:

> That is the problem with HAMS!

Problem?

> They tend to be frugal with their money...

Family comes first: this is SUPPOSED to be a hobby...

Ken W7EKB

32135. Re: [ham-antennas] Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 16:18:28 UTC
From: Joe - W7RKN
Topic: 31890 Message: 32135

```
----- Original Message -----
From: "Kenneth G. Gordon" <kgordon2006@frontier.com>
Subject: Re: [ham-antennas] Antenna book

> Family comes first: this is SUPPOSED to be a hobby...

Say What?!!
```

32136. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 16:19:23 UTC
From: Kenneth G. Gordon
Topic: 31902 Message: 32136

On 24 Apr 2014 at 12:03, Brian Carling wrote:

>
> I bet she would've had some real fun trying to figure out how the auto tune
> functions work on an ART 13 transmitter!

Ha! Boy! You can say THAT again! :-)

Ken W7EKB

32137. Re: [ham-antennas] ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 16:38:06 UTC
From: Jim Lowman
Topic: 31902 Message: 32137

Unfortunately, even digital technology may not appeal to the younger folks.
The will say that it's like the Internet. If they want to contact a
friend at a distance, they can go on Facebook or send an e-mail or a
text message.

When I grew up in the 50s and 60s, ham radio was a big deal because of
the ability to reach others who were possibly on the proverbial other
side of the world.
Long-distance phone calls were expensive, so if you received one it was
probably bad news - i.e. "Uncle Albert died this morning."

When I first started maintaining air traffic control radar systems in
the Air Force, there were probably 100 or more controls per channel to
adjust for an alignment.
The newer replacements for the tube-based systems had many fewer
controls, and the need for alignments was less frequent.
One piece of ancillary equipment had only one adjustment - the 5V p/s
voltage!

Needles to say, I lost interest in pursuing a civilian career with the
FAA when I left the Air Force at the eight-year point.

73 de Jim - AD6CW

On 4/24/2014 6:29 AM, jerrybosak@... wrote:
>
>
> Dave,
>
> As long as Amateur Radio is being portrayed as people using this
> antiquated technology - we are not going to entice younger people to
> this hobby.
>
> The schools themselves - other then government grants and high tech
> companies giving the schools grant money to invent these new
> technologies - this stuff is all going by the wayside...
>
> The only thing that schools and kids cares about today is cell phones
> and Ipods and I pads and lap top computers and what is in it for them...
> You can mention most any video game to most any IT student or
> instructor and they can hold a intelligent conversation for hours but
> ask them the most simple question about two way radio and they are in
> the dark.
>
> The schools are getting rid of the older books and most everything is
> going digital... Even the text books are mostly obsolete.

>

32138. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-24 20:36:50 UTC
From: Dale Miller
Topic: 31890 Message: 32138

On 4/24/2014 10:44 AM, Keith Heimbold wrote:
>
>
> I am heading towards my fourth year licensed and totally agree that
> you just need to be good at memorizing and nearly anyone can pass all
> the tests.
>
> However obtaining the license is really only the first step in
> exploring what is an awesome hobby and adventure in continuous
> learning. The real exploration for me has been in rediscovering my old
> electronics technician training from my Navy days and my SWLing hobby
> when I was a kid.
>
> Now I build homebrew antennas using books like the Antenna Compendium,
> the ARRL Antenna Book, Low Band DXing,and the Internet etc. I think
> antennas are the most fascinating part of the hobby for me. And
> experimentation starting from building the simplest dipole to building
> homebrew 6m yagis, or K9AY receive antennas or homebrewing slopers
> for low bands has been more rewarding for me than all the commercial
> bought and installed antennas that I have owned.
>
> I actually enjoy the antenna projects almost more than I do operating.
> It is funny how that happened. This is a great yahoo group where I
> have also learned a lot.
>
> Keith
> AK6ZZ
>

Commercial Antenna options exist because some people are just not
mechanically inclined.
The only commercial antennas I have owned were mag mount 2 meter and 440
antennas.
The 440 mag mount started life as a scanner antenna till I converted it
to work as a 1/4 wave 440 antenna.
The 2 meter was a 5/8 wave that I still use but was given to me.
All of my base antennas aside from my antron99 are homebrewed.
Of course I was just give a 10 meter hygain 5 element yagi not to long
ago but it isn't up in the air yet and I haven't made up my mind if I
want to put it up yet either.

Antennas are not that hard to build or experiment with, just do some
research and get out the tools.
:)

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32139. [PRB1] Poway California Amateur Radio Antenna Ordinance Developments

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 16:02:33 UTC
From: rick darwicki
Topic: 32139 Message: 32139

This is a short summary of
subject.

As some of you know, Poway hams are in the
2nd year stretch of trying to get the City of Poway to enact an amateur radio antenna ordinance that gets
the city into compliance with Federal and California state amateur radio regulations. If you are not familiar with our two year effort, I will be pleased to bring you up
to speed, off this reflector.

We are nearing the conclusion of the
campaign. On May 6th, the
Poway City Council will hold what is known as a "workshop" where the public can
express their comments regarding a proposed city ordinance. The proposal will
shortly be publicly distributed.

We have it on very good authority that the
City Council is already of a mindset to give us what we asked for, a simplified
permitting process for an antenna support structure up to 65 ft high, and then a
streamlined process for someone who wishes to go
higher.

This as contrasted with the current
"practice" that, in Poway, there is no such thing as an antenna structure (or
anything for that matter) higher than 35 ft PERIOD (unless grandfathered from
before the city incorporated 30 years ago. Most of those have now fallen
down).

This has all come about through raising
political awareness among Poway hams, including
support of ham-friendly council aspirants for the last election, careful
lobbying of the city council since that time, and an excellent legal campaign
carried out with the assistance of counsel.

Poway hams presented the city council with
a very extensive technical analysis (SME paper) that scientifically and
empirically justified the 65 ft height as an acceptable compromise lowest height
for a permitted antenna (not requiring other than a building permit). The paper
addressed the totality of amateur radio's purpose, and addressed all matters
associated with propagation practice and prediction.

The principal and only opposition to all
of this has been driven by a local non-profit organization called the Green
Valley Civic Association (GVCA). They purport to speak for "all Poway residents". In
actuality, they are a very small

group influential (moneyed) real estate agents who were instrumental in the incorporation of the City, brought a large number of high tech companies to the Poway business park, and have close ties to
some city council members. They have "run" the city for many
years.

In the run-up to this next City council
meeting, GVCA went out and contracted a study to demonstrate that "35 ft high antennas are adequate for amateur radio communications".

Please find attached the result of the
GVCA effort.

From a depth of technical analysis
perspective, this paper is laughable.

The saddest part is that the paper is
authored by PHD electrical engineer and Extra class amateur radio operator. Poway hams assume the paper is scoped to meet
the resources GVCA had available, and the author was not presented with the totality of purpose for which the GVCA hoped to use the paper. GVCA is not flush with funds.

Powayhams are NOT concerned about refuting,
if necessary and in a devastating manner, the technical aspects of this material.

Likewise, the paper will be analyzed with
counsel as preparations are made for one-on-one discussions with Poway City Council members BEFORE the council meeting.

I offer the paper in question for
appropriate comments from the PRB-1 perspectives.

Powayhams can use all the help we can
muster.

73 de NN3V
Charlie
619-368-7617

[Non-text portions of this message have been removed]

32140. Re: [ham-antennas] [PRB1] Poway California Amateur Radio Antenna Ordinance Developments

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 16:37:07 UTC
From: Rob Stewart
Topic: 32139 Message: 32140

The cell phone and power distribution infrastructure in this country are great but they are not entirely immune to the effects of earthquakes. I'm not sure where Poway sits with respect to one of the big fault lines but wouldn't it be nice if hams with sufficient antenna height were able to provide effective emergency communications to the region in case of emergency?

John
WA3JRS

On Friday, April 25, 2014 12:02 PM, rick darwicki <n6pe@...> wrote:

This is a short summary of
subject.

As some of you know, Poway hams are in the
2nd year stretch of trying to get the City of Poway to enact an amateur radio antenna ordinance that gets
the city into compliance with Federal and California state amateur radio regulations. If you are not familiar with our two year effort, I will be pleased to bring you up
to speed, off this reflector.

We are nearing the conclusion of the
campaign. On May 6th, the
Poway City Council will hold what is known as a "workshop" where the public can express their comments regarding a proposed city ordinance. The proposal will shortly be publicly distributed.

We have it on very good authority that the
City Council is already of a mindset to give us what we asked for, a simplified permitting process for an antenna support structure up to 65 ft high, and then a streamlined process for someone who wishes to go
higher.

This as contrasted with the current
"practice" that, in Poway, there is no such thing as an antenna structure (or anything for that matter) higher than 35 ft PERIOD (unless grandfathered from before the city incorporated 30 years ago. Most of those have now fallen
down).

This has all come about through raising
political awareness among Poway hams, including
support of ham-friendly council aspirants for the last election, careful lobbying of the city council since that time, and an excellent legal campaign carried out with the assistance of counsel.

Poway hams presented the city council with
a very extensive technical analysis (SME paper) that scientifically and
empirically justified the 65 ft height as an acceptable compromise lowest height
for a permitted antenna (not requiring other than a building permit). The paper
addressed the totality of amateur radio's purpose, and addressed all matters
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The principal and only opposition to all
of this has been driven by a local non-profit organization called the Green
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group influential (moneyed) real estate agents who were instrumental in the
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business park, and have close ties to
some city council members. They have "run" the city for many
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In the run-up to this next City council
meeting, GVCA went out and contracted a study to demonstrate that "35 ft high
antennas are adequate for amateur radio communications".

Please find attached the result of the
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From a depth of technical analysis
perspective, this paper is laughable.

The saddest part is that the paper is
authored by PHD electrical engineer and Extra class amateur radio operator. Poway hams
assume the paper is scoped to meet
the resources GVCA had available, and the author was not presented with the
totality of purpose for which the GVCA hoped to use the paper. GVCA is not flush
with funds.

Powayhams are NOT concerned about refuting,
if necessary and in a devastating manner, the technical aspects of this
material.

Likewise, the paper will be analyzed with
counsel as preparations are made for one-on-one discussions with Poway City
Council members BEFORE the council meeting.

I offer the paper in question for
appropriate comments from the PRB-1 perspectives.

Powayhams can use all the help we can
muster.

73 de NN3V
Charlie
619-368-7617

[Non-text portions of this message have been removed]

32141. Re: [ham-antennas] [PRB1] Poway California Amateur Radio Antenna Ordinance Developments

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 17:07:56 UTC
From: Geoff NW7GM
Topic: 32139 Message: 32141

Rick, I don't see an attachment nor as ny notification that a file was uploaded to the group. I'd like to read it. You can send it direct if you wish or, for others to look over as well, you can upload it to the files section.

Sounds like it has been quite the battle. Here in Seattle we (Amateurs) are limited to 50' (max) antenna structures and, depending on where you live in the city, some aren't even allowed that high.

Geoff, NW7GM
Seattle, WA
CN87tr
On Apr 25, 2014 9:02 AM, "rick darwicki" <n6pe@...> wrote:

>
>
>
>
>
> This is a short summary of
> subject.
>
> As some of you know, Poway hams are in the
> 2nd year stretch of trying to get the City of Poway to enact an amateur
> radio antenna ordinance that gets
> the city into compliance with Federal and California state amateur radio
> regulations. If
> you are not familiar with our two year effort, I will be pleased to bring
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> permitting process for an antenna support structure up to 65 ft high, and
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> streamlined process for someone who wishes to go
> higher.
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> This as contrasted with the current
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> This has all come about through raising
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> for a permitted antenna (not requiring other than a building permit). The
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> addressed the totality of amateur radio's purpose, and addressed all
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> associated with propagation practice and prediction.
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> The principal and only opposition to all
> of this has been driven by a local non-profit organization called the
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> years.
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> In the run-up to this next City council
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> antennas are adequate for amateur radio communications".
>
> Please find attached the result of the
> GVCA effort.
>
> From a depth of technical analysis
> perspective, this paper is laughable.

>
> The saddest part is that the paper is
> authored by PHD electrical engineer and Extra class amateur radio
> operator. Poway hams assume the paper is scoped to meet
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> the
> totality of purpose for which the GVCA hoped to use the paper. GVCA is not
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> Powayhams are NOT concerned about refuting,
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> material.
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> Likewise, the paper will be analyzed with
> counsel as preparations are made for one-on-one discussions with Poway
> City
> Council members BEFORE the council meeting.
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> I offer the paper in question for
> appropriate comments from the PRB-1 perspectives.
>
> Powayhams can use all the help we can
> muster.
>
> 73 de NN3V
> Charlie
> 619-368-7617
>
> [Non-text portions of this message have been removed]
>
>
>

32142. linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 22:50:42 UTC
From: Yazen Aswad
Topic: 32142 Message: 32142

Dear all:

I am very new to radios, have a question about linear amplifiers. I bought two from ebay, they have been set on [2M] 140-150Mhz

I installed both in two different cars, installation was simple and straightforward. Each one of them connected to Baofeng UV-5R and antenna of course.

Issue I am facing:

When radio in car A transmits, nothing is being heard on the other radio in car B but it can be heard on other radios not connected to amps.

Car B can hear car A only when the amp is turned off in car B, and vise versa, car A can hear car B only when the amp in car A is turned off.

When TX on either amps I hear clicks in the amp.

I tried talking to some folks on the local repeater, they could hear me very well, but I couldnt hear them when they talked back, could hear them on the third radio which isnt connected to amp.

Car A and B are at least a mile away from each other while testing!

Seller confirmed that both amps are new! they look new to me. Installation was simple, connect to power, antenna and radio! nothing less nothing more.

There must be something wrong somewhere, can you guys assist me please, any suggestions, advices and guidance would be highly appreciated.

Many thanks,
Yazen

32143. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:08:57 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32143

What ever you are using to key the amps is keying them on continuously, and they are NOT turning off when you "unkey".

Normally, when an amp is "keyed", an internal relay disconnects the antenna from your receiver and connects the antenna to the amp output.

Normally, when any amp is "unkeyed" it reverts the antenna back to the receiver. In your case, that is not happening.

Your antenna is staying connected to the amp...or at least, the antenna is NOT being connected to the receiver.

When you turn the amp off, all switching reverts back to normal, and your receiver works, because now it is connected to an antenna.

A couple of questions:

1) What is the EXACT make and model of the amp.

2) How are you keying it? Simply by the RF emitted from the Baofeng?

3) What is your location?

4) What is your call and class of license?

On 25 Apr 2014 at 17:50, Yazen Aswad wrote:

> straightforward. Each one of them connected to Baofeng UV-5R

HOW did you connect the Baofeng to the amp? What sort of cable did you use? Where did you connect it? Did you connect an RF cable AND a control cable?

You say this:

> When TX on either amps I hear clicks in the amp.

How many clicks? When? Do you hear ONE click when you key the Baofeng and another when you "unkey" the Baofeng?

Ken W7EKB

32144. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:20:19 UTC
From: DVC3565@...
Topic: 32142 Message: 32144

Yazen: WE here on the group need more information.

1. Whose amplifier's are they (Make?) 2. Do they have a switchable pre-amplifier (for the receive side,) in the amplifier? If not, I suspect the relay is bad that switch's between Transmit & Receive. If so, suspect the pre-amp for the condition's you set.

Can't advise any further without knowing WHO made the amp's (so I can look up the schematic's,) and IF they have pre-amp's in them,

73, for now
Dave-KJ4PF

In a message dated 4/25/2014 6:50:47 P.M. Eastern Daylight Time, yazen@... writes:

Dear all:

I am very new to radios, have a question about linear amplifiers. I bought two from ebay, they have been set on [2M] 140-150Mhz

I installed both in two different cars, installation was simple and straightforward. Each one of them connected to Baofeng UV-5R and antenna of course.

Issue I am facing:

When radio in car A transmits, nothing is being heard on the other radio in car B but it can be heard on other radios not connected to amps.

Car B can hear car A only when the amp is turned off in car B, and vise versa, car A can hear car B only when the amp in car A is turned off.

When TX on either amps I hear clicks in the amp.

I tried talking to some folks on the local repeater, they could hear me very well, but I couldn't hear them when they talked back, could hear them on the third radio which isn't connected to amp.

Car A and B are at least a mile away from each other while testing!

Seller confirmed that both amps are new! They look new to me. Installation was simple, connect to power, antenna and radio! nothing less nothing more.

There must be something wrong somewhere, can you guys assist me please, any suggestions, advices and guidance would be highly appreciated.

Many thanks,
Yazen

32145. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:30:28 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32145

On 25 Apr 2014 at 18:17, Yazen Aswad wrote:

> One click when I key the radio and another one when I unkey.

OK. That is correct.

Next, I did not get the link to the amp you bought, so I need that.

Secondly, it SOUNDS as though the amp has an RF actuated changeover relay, as another member posted, the relay may be bad.

However, without seeing the amp's schematic, we can't help much.

Ken W7EKB

32146. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:32:16 UTC
From: Yazen Aswad
Topic: 32142 Message: 32146
Attachments: 2 described; binary payloads are missing from this source WARC

Thank you for your response.

I am not sure if it has a switchable pre-amolifier or not. Attached is the diagram which came with the device.

Brand name is: HYS
Model: TC-150
Frequency: VHF
Input power: 1-5 Watt
Output power: 50 Watt

Thank you once again,
Yazen, KD0ZTC

On Apr 25, 2014, at 6:20 PM, DVC3565@... wrote:

> Yazen: WE here on the group need more information.
>
> 1. Whose amplifier's are they (Make?) 2. Do they have a switchable pre-amplifier (for the receive side,) in the amplifier? If not, I suspect the relay is bad that switch's between Transmit & Receive. If so, suspect the pre-amp for the condition's you set.
>
> Can't advise any further without knowing WHO made the amp's (so I can look up the schematic's,) and IF they have pre-amp's in them,
>
> 73, for now
> Dave-KJ4PF

32147. Bringing New Folks into the A.R. Service - Was ARRL Antenna Book

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:52:17 UTC
From: Robert Garland
Topic: 32147 Message: 32147

Wearing blinders about technology is nothing new.

A long time ago, I worked in Florida for a C-SPAN-like project.

Another tech was a recent college grad, and was a whiz at television technology.

I took him on a tour of the local telephone company. He was AMAZED at the fact that it was possible to send 1200 telephone conversations simultaneously on one microwave carrier.

And yes, the current generation is very iPod (and like device)-centric. I work as a sub, and the regular teachers often give up on getting the kids faces out of the screen. To get a room quiet for some work, the teachers let the kids listen to music on their "devices". Whereupon, the kids spend more time picking the next tune than they do working on the school work. And no, they are not skilled at multitasking, although they claim to be.

Robert NX3S
--

32148. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:53:23 UTC
From: Yazen Aswad
Topic: 32142 Message: 32148
Attachments: 5 described; binary payloads are missing from this source WARC

Here are some picture that show how I connected it.

On Apr 25, 2014, at 6:32 PM, Yazen Aswad <yazen@...> wrote:

> Thank you for your response.
>
> I am not sure if it has a switchable pre-amolifier or not. Attached is the diagram which came with the device.
>
> Brand name is: HYS
> Model: TC-150
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> Input power: 1-5 Watt
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>
>
> Thank you once again,
> Yazen, KD0ZTC
>
>
>
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>
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>
>
>
> On Apr 25, 2014, at 6:20 PM, DVC3565@... wrote:
>
>> Yazen: WE here on the group need more information.
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>> 1. Whose amplifier's are they (Make?) 2. Do they have a switchable pre-amplifier (for the receive side,) in the amplifier? If not, I suspect the relay is bad that switch's between Transmit & Receive. If so, suspect the pre-amp for the condition's you set.
>>
>> Can't advise any further without knowing WHO made the amp's (so I can look up the schematic's,) and IF they have pre-amp's in them,
>>
>> 73, for now
>> Dave-KJ4PF
>

32149. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-25 23:57:20 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32149

THank you for the schematic. That pretty much answers all MY questions. It DOES have an RF actuated switch which uses TWO relays to switch from RX to TX and back.

There is no receiver preamp either.

You have it connected correctly.

It looks to me as though one of the two relay switching circuits is not working or is locked in the TX position.

Secondly, since JR1 is delayed to open or close AFTER JR-2, you SHOULD be hearing TWO clicks, even if the clicks are very close together, BOTH when you key and unkey the rig, not just one.

At this point, I suspect that either 1) capacitor C5, obviously an electrolytic cap, is shorted, and that SW-1 is in the "ON" position, or 2) C29, the other electrolytic which is connected directly to the base of Q-1 is shorted. If either of those capacitors was shorted, Q-1's base would be grounded, which would turn on JR1 permanently, and the RX would never be connected to the antenna.

The purpose of SW-1 is to add C5 to the circuit to delay the relay opening.

I would switch SW-1 to the "other"position, and try it. If you then hear two clicks on each operation of the push-to-talk switch on the Baofeng, then the problem is C5. If there is no difference, then the problem is a shorted C29.

It is also possible that Q-1 is shorted and the capacitors are OK.

Ken W7EKB

32150. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 00:06:29 UTC
From: Mel Farrer
Topic: 32142 Message: 32150
Attachments: 5 described; binary payloads are missing from this source WARC

An additional test. Since it does not have a preamp, you should be able to put an ohm meter from the center conductor on the input and output and see continuity on receive mode.

Mel, K6KBE

On Friday, April 25, 2014 4:59 PM, Yazen Aswad <yazen@...> wrote:

Here are some picture that show how I connected it.

On Apr 25, 2014, at 6:32 PM, Yazen Aswad <yazen@yahoo.com> wrote:

Thank you for your response.

I am not sure if it has a switchable pre-amolifier or not. Attached is the diagram which came with the device.

Brand name is: HYS
Model: TC-150
Frequency: VHF
Input power: 1-5 Watt
Output power: 50 Watt

Thank you once again,
Yazen, KD0ZTC

On Apr 25, 2014, at 6:20 PM, DVC3565@... wrote:

Yazen: WE here on the group need more information.
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>1. Whose amplifier's are they (Make?) 2. Do they have a switchable pre-amplifier (for the receive side,) in the amplifier? If not, I suspect the relay is bad that switch's between Transmit & Receive. If so, suspect the pre-amp for the condition's you set.
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>73, for now
>Dave-KJ4PF

32151. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 00:07:33 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32151

> http://www.ebay.com/itm/151261848739?ssPageName=STRK:MEWNX:IT&_trksid=p3984.m1497.l2649

Odd. The photo shows THREE switches on the front, but the schematic shows only TWO.

What happens if you switch ONLY that switch that turns the light on, but leave the other TWO off? OFF is with the bottom pushed in, ON is with the top pushed in.

Try that and get back with us.

It is possible that the third switch, not shown on the schematic, bypasses the other relay...

Ken W7EKB

32152. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 00:13:51 UTC
From: Yazen Aswad
Topic: 32142 Message: 32152

Okay, let me try and report back in few minutes.

Thank you so much for your help

Yazen

On Apr 25, 2014, at 7:07 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

> >
http://www.ebay.com/itm/151261848739?ssPageName=STRK:MEWNX:IT&_trksid=p3984.m1497.l2649
>
> Odd. The photo shows THREE switches on the front, but the schematic shows
> only TWO.
>
> What happens if you switch ONLY that switch that turns the light on, but
> leave the other TWO off? OFF is with the bottom pushed in, ON is with the
> top pushed in.
>
> Try that and get back with us.
>
> It is possible that the third switch, not shown on the schematic,
> bypasses the other relay...
>
> Ken W7EKB
>
>

32153. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 00:25:45 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32153

On 25 Apr 2014 at 19:13, Yazen Aswad wrote:

> Okay, let me try and report back in few minutes.
>
> Thank you so much for your help

Sure.

BTW, after examining your photo of the amp with the cover off, either Q-1 and Q-2 are mounted on the BOTTOM of the board, or that schematic is for a different amp!

Neither Q-1 nor Q-2 nor C5 are on that board: at least not on that side of it.

Ken

32154. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 00:34:24 UTC
From: Yazen Aswad
Topic: 32142 Message: 32154

Okay here is what I found:

I switched on only one switch.

I could hear two clicks, very close to each other, when keying and unkeying to PTT.

Cars were about 0.5 mile away from each other and could hear each other really well with no issues whatsoever!! But stopped hearing each other when they were about 1 mile away from each other.

I dont have my ohm meter with me at the moment! will get it back on money [friend borrowed it!!]

Thank you very much gentlemen.

Yazen

On Apr 25, 2014, at 7:13 PM, Yazen Aswad <yazen@...> wrote:

> Okay, let me try and report back in few minutes.
>
>
> Thank you so much for your help
>
> Yazen
>
>
>
> On Apr 25, 2014, at 7:07 PM, Kenneth G. Gordon <kgordon2006@...> wrote:
>
>> >
http://www.ebay.com/itm/151261848739?ssPageName=STRK:MEWNX:IT&_trksid=p3984.m1497.l2649
>>
>> Odd. The photo shows THREE switches on the front, but the schematic shows
>> only TWO.
>>
>> What happens if you switch ONLY that switch that turns the light on, but
>> leave the other TWO off? OFF is with the bottom pushed in, ON is with the
>> top pushed in.
>>
>> Try that and get back with us.
>>
>> It is possible that the third switch, not shown on the schematic,
>> bypasses the other relay...
>>
>> Ken W7EKB
>>

>
>
>

32155. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 01:27:07 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32155

On 25 Apr 2014 at 19:39, Yazen Aswad wrote:

> Maybe they sent me the wrong diagram with the amp! you never know!

Well, in addition to what I mention below, there is also the fact that the front panel shows three switches, and the diagram only shows two.

I really think they sent you either the wrong amp, or the wrong diagram.

> > BTW, after examining your photo of the amp with the cover off, either Q-1 and
> > Q-2 are mounted on the BOTTOM of the board, or that schematic is for a
> > different amp!
> >
> > Neither Q-1 nor Q-2 nor C5 are on that board: at least not on that side
> > of it.

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

32156. Tested new antenna today ...

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 01:54:40 UTC
From: <email4utoo@...>
Topic: 32156 Message: 32156

i want to take my rig ,(argo ten tec 556 5 watts), portable so i have been reading and experimenting with wire antennas, so i wanted to try out some time tested ,(funny but many old timers have used this stuff with success)- TV 300 ohm oldtime Twin lead - Radio Shack that is on clearance . I soldered the ends of the Dipole twin lead together, cut it 67 .5 ft. ,(for soldering , cut mistakes -Murphy's Law rules in this case ,hihi), wanted this antenna for 40-10 meters . The Feedline is , yes -Twin Lead -run into my ZM-2 Emtech- then coax to my Xcvr. I wanted to just check matching and hearing level etc, so i placed the antenna up only about 4ft on those plastic Electric Fence posts we have used them for our Family milk cows , (yah we make our own cheese, that is another story , hihi)
Not expecting much i flipped on the Argo started tunning Forty meters - BOOM ! What super loud SSB and some CW ! Band was Quiet ! What happened ! so i looked at my lap top for info on my Gidget i downloaded for Solar info on my Desktop - showed Band Quiet ! I was so tired from other work i have not had time to put it up today higher or compare with my OCF , hihi. Oh what a shock that was at 4ft ! i thought i found the perfect portable antenna ! Maybe it is will know more as weekend goes on - by the was the feed length in case it was bugging you is the remainder of the 100ft roll of Twin Lead- about 32.5 ft i kept it above ground to the shack. It tuned very well on 40 and even better on 10 meters , so i am Jazzed and excited . Let me know if you have built one of these and how it went , AJ KF5ZYB-(used to live in large metro city ,now a rural Hillbilly enjoying no HOAs or city restrictions , hihi) yes and very low taxes). 73s and 2s

PS i very well could have gotten this design from the Files section here which are many and have spent many a late hour reading and studying them - i do not take any credit - this Design is an oldie but goody.

32157. AW: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 09:35:15 UTC
From: siegfried jackstien
Topic: 32142 Message: 32157

If i have seen the circuit correct ... there IS a preamp in ...

It is in upper left corner

Or for what is that transistor for and those 2 contacts that are bridging
that transistor???

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Mel Farrer
> Gesendet: Samstag, 26. April 2014 00:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] linear amp question
>
> An additional test. Since it does not have a preamp, you should be able to
> put an ohm meter from the center conductor on the input and output and see
> continuity on receive mode.
>
> Mel, K6KBE
>
>
>
> On Friday, April 25, 2014 4:59 PM, Yazen Aswad <yazen@...> wrote:
>
> Here are some picture that show how I connected it.
>
>
>
> On Apr 25, 2014, at 6:32 PM, Yazen Aswad <yazen@...> wrote:
>
>
> Thank you for your response.
>
> I am not sure if it has a switchable pre-amolifier or not. Attached is
> the diagram which came with the device.
>
> Brand name is: HYS
> Model: TC-150
> Frequency: VHF
> Input power: 1-5 Watt
> Output power: 50 Watt
>

>
> Thank you once again,
> Yazen, KD0ZTC
>
>
>
>
>
>
>
>
>
>
> On Apr 25, 2014, at 6:20 PM, DVC3565@... wrote:
>
>
>
> Yazen: WE here on the group need more information.
>
>
> 1. Whose amplifier's are they (Make?) 2. Do they have a switchable
> pre-amplifier (for the receive side,) in the amplifier? If not, I suspect
> the relay is bad that switch's between Transmit & Receive. If so, suspect
> the pre-amp for the condition's you set.
>
> Can't advise any further without knowing WHO made the amp's (so I
> can look up the schematic's,) and IF they have pre-amp's in them,
>
> 73, for now
> Dave-KJ4PF
>
>
>
>

32158. Re: [ham-antennas] Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 14:18:21 UTC
From: Brian Carling
Topic: 32118 Message: 32158

I think she is going to notice a dramatic improvement in radio performance.

Best regards - Bry Carling

> On Apr 22, 2014, at 10:15 AM, <ve5uj@yahoo.com> wrote:
>
> There is an antenna project planned for a five story steel frame apartment in the city. The proposal is to use a SGC 239 coupler feeding a 45 foot vertical aluminum roof top mast. The coupler would be located at the base of the vertical mast where the connection to the building's steel frame is available. Building administrators will allow no wires on the roof so there is no opportunity for radials or counterpoise.
>
> The thought is that long mast will pick up a lot of static during summer electrical storms and winter snow storms and maybe a balun at the feed point would be an advantage. The other proposal is a heavy RF choke across the feed point to the ground connection. The operator is active from 3.5 to 29 Mhz. and the coupler allows her to operate this range of frequencies on her present indoor 40 metre dipole. Comments and experiences would be appreciated. Thanks, 73
>
> Gordon, VE5UJ
>
>

32159. Tower question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 15:48:04 UTC
From: bcarling@...
Topic: 25 Message: 32159

Guys
I have a need for some advice about a small simple tower.

I am looking at putting up a small beam for HF (A3WS Cushcraft) which is about 4 sq ft wind
load. Need your advice,. I ONLY want to put it up 24 - 30 feet above ground to clear the roof
over our two story house. I am not climbing on the roof. I want to avoid guy wires and can get
LIMITED support from a bracket to the gutter. Hip pocket roof and the eaves are recessed
under the roof edge quite a bit, and not easily accessed for strong support points.

So basically I was looking at something like an aluma 25 footer or a Delhi 28 foot from
Canada. They are around $600 which is close to affordable... otherwise something like two
sections of Rohn 25G plpus a mast. I know there are a few options in towers of that size.
Ideally it would be free standing, no guy wires, and have a tilt over base - maybe even
homebrew the tilt mechanism, and walk it up or pulley it up into place at some point along the
support structure of the tilt over.

I would like to hear from experienced fellas out there. I have only done two towers before.
The first was a 60 footer, braced against the house and with two sets of guys. My lot is too
small for that here. The second was only 30 feet, (plus mast) and out in the open with one
set. Both used Rohn 25G with a gin pole etc. I need to keep this simple, inexpensive and not
too strenuous for an old guy.

The mast at the top can add some height. I will measure the actual distance to the peak of
the roof but it has to be around 22 or 23 feet.

My friend has a nice looking homebrew hinge plate at the base of a tower, and looks like it is
made of angle iron painted with rustoleum for protection.

73 de AF4K, Bry

32160. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 16:02:46 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32160

On 26 Apr 2014 at 9:35, siegfried jackstien wrote:

> If i have seen the circuit correct ... there IS a preamp in ...
>
> It is in upper left corner
>
> Or for what is that transistor for and those 2 contacts that are bridging
> that transistor???

Sigi:

If you look carefully, you will see that that circuit, with Q-3, is ONLY IN the circuit when the amp is in the transmit condition. Therefore, it has to be some sort of driver for the final amps.

Also, if you look at the photo that was sent of the open amplifier, you will see that Q-3 is obviously a VHF transistor of some sort.

The relays are shown in the receive condition: i.e., bypassing the Q-3 circuit.

Therefore, that is NOT a preamp.

At this point, it also appears likely that that schematic is not the correct one for the amp that is the subjece of this discussion: the schematic shows only two switches, whereas the amp has three, and the board photo does not show Q-1 or Q-2 or C-5, although they COULD be mounted somewhere else...

Ken W7EKB

32161. End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 18:16:33 UTC
From: <schwartzj22@...>
Topic: 32161 Message: 32161

To all:
I want to put in an end-fed wire for receiving only. My house is a rectangle, 60 feet by 25 feet. I am planning to install this antenna on the house about 6 to 10 feet high. Since the perimeter is 170 feet I have the option to run a wire at any length up to 170 feet. I have also run calculations and determined what lengths to avoid for the frequencies that I will be using. I will use a good tuner but no balun. This receiving antenna will be used with an SDR receiver.

My questions are:
1) What configuration is best (but attached to my house) for optimum signal reception for 80 - 10M? Any articles I could read for receive antennas? Specifically on theory of wire antenna orientation and optimum receive signals?
2) If I do transmit at low power, can I use the same configuration as for receive?

Any help is appreciated,

Joel - N3GSE

32162. RE: [ham-antennas] End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 18:51:43 UTC
From: Billy McFarland
Topic: 32161 Message: 32162

Joel,

Have you got room for a loop antenna? Thus would serve you better than an endfed for listening.

73 Billy
GM0OBX
SKCC# 12202

32163. Re: [ham-antennas] linear amp question

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 19:11:20 UTC
From: Kenneth G. Gordon
Topic: 32142 Message: 32163

On 26 Apr 2014 at 14:47, KA4INM wrote:

> > If you look carefully, you will see that that circuit, with Q-3, is ONLY IN
> > the circuit when the amp is in the transmit condition. Therefore, it has to be
> > some sort of driver for the final amps.
>
> I'm not Sigi, but it's not wired that way,

I disagree: it is wired so that Q-3 is included in the circuit in the transmit mode, by JR-2 (or JR-1), which is operated by Q-1 (or Q-2: I don't have the schemo in front of me right now) which is operated by the RF input to the RF-sensing switch. Q-1 and Q-2 are essentially in parallel. If that "extra switch" was to turn the preamp on and off, it would be connected somewhere OTHER than where the contacts of JR-2 are "bypassing" Q-3.

The schemo shows the amp in the receive mode, and Q-3 is bypassed in that mode.

Besides, if that extra switch was to turn a preamp on and off, why are both JR-1 AND JR-2 shown and labeled very clearly on the circuit board itself as shown by the photo of the opened amp? If the switch was what bypassed the preamp, the entire circuit would be wired differently.

Also, if Q-3 is a preamp, why is the transistor obviously a VHF transmitting transistor?

I agree with you about a preamp: they are almost never necessary.

Ken W7EKB

32164. Re: [ham-antennas] End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 19:16:24 UTC
From: Kenneth G. Gordon
Topic: 32161 Message: 32164

On 26 Apr 2014 at 19:51, Billy McFarland wrote:

> Joel,
>
> Have you got room for a loop antenna? Thus would serve you better than an endfed
> for listening.
>
> 73 Billy
> GM0OBX
> SKCC# 12202

I agree with Bill: use your perimeter (I assume you mean, the perimeter of your property line) to run a loop completely around it.

Since you are going to use a tuner, I think you will find a loop of much more value than an end-fed, especially one that low.

And it WILL work as a transmitting antenna too, although, most likely, as an NVIS one.

Nonetheless, TRYING it will tell you far more than asking here.

Ken W7EKB

32165. AW: [ham-antennas] End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 19:25:18 UTC
From: siegfried jackstien
Topic: 32161 Message: 32165

Nvis on the lower bands ... and a real good dx antenna on the higher bands
:-)

Dg9bfc

Sigi

Ps using a topband fullsize loop here .. ladderline fed to make it multiband

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Kenneth G. Gordon
> Gesendet: Samstag, 26. April 2014 19:16
> An: Billy McFarland; ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] End-Fed random wire antenna
>
>
>
> On 26 Apr 2014 at 19:51, Billy McFarland wrote:
>
> > Joel,
> >
> > Have you got room for a loop antenna? Thus would serve you better than
> an endfed
> > for listening.
> >
> > 73 Billy
> > GM0OBX
> > SKCC# 12202
>
> I agree with Bill: use your perimeter (I assume you mean, the perimeter of
> your property line) to run a loop completely around it.
>
> Since you are going to use a tuner, I think you will find a loop of much
> more
> value than an end-fed, especially one that low.
>
> And it WILL work as a transmitting antenna too, although, most likely, as
> an
> NVIS one.
>
> Nonetheless, TRYING it will tell you far more than asking here.
>
> Ken W7EKB
>
>

>

32166. Re: [ham-antennas] End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 20:15:27 UTC
From: Billy McFarland
Topic: 32161 Message: 32166

I had a 20m mono loop horizontal 3ft off the ground when testing it and worked an a62 station in 70w so it works well.

73 Billy
GM0OBX
SKCC# 12202

32167. Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 20:25:28 UTC
From: <schwartzj22@...>
Topic: 32161 Message: 32167

Billy, Ken, Sigi,
Great input-thanks. I will have to read up on loops but maybe it is simple and I do not have to. For a loop I think all I have to do is the following but please correct me if I'm wrong.

The loop would be attached to my house which is 60' by 25'. I think all I would need is a single 170 foot length of wire and run the two ends into my shack under my window sill. Ladderline is not an option. The loop would not be symmetrical but would be about 170 feet. I think I should connect to a tuner with its balanced line connection and its internal 4:1 balun. Is this correct?

Originally I was thinking end-fed and would use ¼ wave counterpoise wires for each band. For the end-fed I did calculate the best wire lengths so as to avoid multiples of a half wave length. For the loop, are there any preferable lengths to use and if so how do I calculate this for 10 – 80 meters?

Tks,
Joel – N3GSE

32168. RE: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 20:39:30 UTC
From: Billy McFarland
Topic: 32161 Message: 32168

Joel,

Google the formulas they are a few on line for loops. But you want a loop for the lowest band. The key with a loop is as big an area in the middle as possible. A resonant loop is around 100 ohms at feed point. However if yours is a non resonant loop I usually use a 4;1 balun with them for multiband use and never had any issues with it. Forget ladder line anyway.

73 Billy
GM0OBX
SKCC# 12202

32169. RE: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-26 20:40:10 UTC
From: Roland Brade
Topic: 32161 Message: 32169

Joel

Maybe you should try something else which is a very simple antenna and good for DX.

Nothing new really, everything has been tried in the past by someone.

Before I always used the W3DZZ in my globe trotting A 10 to 80 metre antenna and only 108 foot long.

Well that□s too long for my backyard at this QTH so I thought lets use half of it. So we are now down to 54 foot.

Even better lets go vertical and along.

So I hung one end on my gutter which was about 20 foot and then horizontal and down 20 foot. That gives me an overall distance of 34 foot.

Most people can do that.

It has worked a treat and I have been working all over the world with my 25-50 watts.

Since then I have got the vertical section up to 32 foot and then the trap is attached and come off horizontal for 20 foot.

The really good thing is you can go straight in with 50 ohm coax.

I am just waiting for some tubing to come so that I can get the vertical section up to 40 or 50 foot. I then intend to put a 75/80 metre trap on the end and about another 20 or so foot.

The G3VIR Trap L is born!

One thing about this without going into all the technical details. You do need a counterpoise or radial system to make it work at full potential.

Of course you can always put a 1:1 balun at the feed point too.

A couple of my local friends have now made this antenna and they are delighted with theirs.

I hope this gives you more food for thought.

Roley G3VIR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of schwartzj22@...m
Sent: 26 April 2014 21:25
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: End-Fed random wire antenna

Billy, Ken, Sigi,

Great input-thanks. I will have to read up on loops but maybe it is simple and I do not have to. For a loop I think all I have to do is the following but please correct me if I☐m wrong.

The loop would be attached to my house which is 60☐ by 25☐. I think all I would need is a single 170 foot length of wire and run the two ends into my shack under my window sill. Ladderline is not an option. The loop would not be symmetrical but would be about 170 feet. I think I should connect to a tuner with its balanced line connection and its internal 4:1 balun. Is this correct?

Originally I was thinking end-fed and would use ¼ wave counterpoise wires for each band. For the end-fed I did calculate the best wire lengths so as to avoid multiples of a half wave length. For the loop, are there any preferable lengths to use and if so how do I calculate this for 10 ☐ 80 meters?

Tks,

Joel ☐ N3GSE

32170. Re: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 00:13:03 UTC
From: Kenneth G. Gordon
Topic: 32161 Message: 32170

On 26 Apr 2014 at 21:39, Billy McFarland wrote:

> Joel,
>
> the lowest band. The key with a loop is as big an area in the middle as
> possible. A resonant loop is around 100 ohms at feed point. However if yours is
> a non resonant loop I usually use a 4;1 balun with them for multiband use and
> never had any issues with it. Forget ladder line anyway.
>
> 73 Billy

Good job, Billy.

> loop would not be symmetrical but would be about 170 feet. I think I should
> connect to a tuner with its balanced line connection and its internal 4:1 balun.
> Is this correct?

See what Billy says above: IMHO, yes, you are correct. No need for
ladder-line.

Ken W7EKB

32171. RE: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 01:43:44 UTC
From: Richard Schmuke
Topic: 32161 Message: 32171

Some basic loop information, it is my favorite antenna.

Loop Dimensions

14.2 Loop

X

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

1005/F MHz

70.770

2

141.540

4

3.5

3

2.5

2

1

0.5

70.770

3

212.310

6

5.3

4.5

3.8

3

1.5

0.8

70.770

4

283.080

8X

7X

6X

5X

4X

2X

1X

70.770

5

353.850

10

8.8

7.5

6.4

5

2.5

1.3

70.770

6

424.620

12

10.6

9

7.6

6

3

1.6

70.770

7

495.390

14

12.3

11

8.9

7

3.5

1.8

70.770

8

566.160

16X

14X

12X

10X

8X

4X

2X

1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if

the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match

the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed

on the 7 bands shown

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of schwartzj22@...
Sent: Saturday, April 26, 2014 3:25 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: End-Fed random wire antenna

Billy, Ken, Sigi,

Great input-thanks. I will have to read up on loops but maybe it is simple and I do not have to. For a loop I think all I have to do is the following but please correct me if I'm wrong.

The loop would be attached to my house which is 60' by 25'. I think all I would need is a single 170 foot length of wire and run the two ends into my shack under my window sill. Ladderline is not an option. The loop would not be symmetrical but would be about 170 feet. I think I should connect to a tuner with its balanced line connection and its internal 4:1 balun. Is this correct?

Originally I was thinking end-fed and would use ¼ wave counterpoise wires for each band. For the end-fed I did calculate the best wire lengths so as to avoid multiples of a half wave length. For the loop, are there any preferable lengths to use and if so how do I calculate this for 10 – 80 meters?

Tks,

Joel – N3GSE

[Non-text portions of this message have been removed]

32172. RE: [ham-antennas] Tower question

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 02:12:46 UTC
From: KB3YRC
Topic: 25 Message: 32172

Look at my QSL page

33 Ft crank up used A3 Used

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of bcarling@...
Sent: Saturday, April 26, 2014 11:48 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Tower question

Guys
I have a need for some advice about a small simple tower.

I am looking at putting up a small beam for HF (A3WS Cushcraft) which is about 4 sq ft wind
load. Need your advice,. I ONLY want to put it up 24 - 30 feet above ground to clear the roof
over our two story house. I am not climbing on the roof. I want to avoid guy wires and can get
LIMITED support from a bracket to the gutter. Hip pocket roof and the eaves are recessed
under the roof edge quite a bit, and not easily accessed for strong support points.

So basically I was looking at something like an aluma 25 footer or a Delhi 28 foot from
Canada. They are around $600 which is close to affordable... otherwise something like two
sections of Rohn 25G plpus a mast. I know there are a few options in towers of that size.
Ideally it would be free standing, no guy wires, and have a tilt over base - maybe even
homebrew the tilt mechanism, and walk it up or pulley it up into place at some point along the
support structure of the tilt over.

I would like to hear from experienced fellas out there. I have only done two towers before.
The first was a 60 footer, braced against the house and with two sets of guys. My lot is too
small for that here. The second was only 30 feet, (plus mast) and out in the open with one
set. Both used Rohn 25G with a gin pole etc. I need to keep this simple, inexpensive and not
too strenuous for an old guy.

The mast at the top can add some height. I will measure the actual distance
to the peak of
the roof but it has to be around 22 or 23 feet.

My friend has a nice looking homebrew hinge plate at the base of a tower,
and looks like it is
made of angle iron painted with rustoleum for protection.

73 de AF4K, Bry

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32173. Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 02:35:52 UTC
From: Jeffrey Lord
Topic: 32161 Message: 32173

Setting up new antenna after 8 months caravan I g around Queensland Australia
Back yard is 14 x 16 yards or 12 x 15 meters
I have ;4 masts , min ht 6 my or 19ft
I am looking at putting up a 40 mt loop with open wire feeder to use on 40 , 80 , 15 , 10 mt bands with a t tuner in line
What is the groups thoughts ??

Sent from my iPhone

32174. Re: [ham-antennas] Tower question

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 02:57:15 UTC
From: Brian Carling
Topic: 25 Message: 32174

Thank you. I will ...

Best regards - Bry Carling

> On Apr 26, 2014, at 10:12 PM, "KB3YRC" <kb3yrc@...> wrote:
>
> Look at my QSL page
>
>
>
> 33 Ft crank up used A3 Used
>
>
>
> KB3YRC
>
>
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of bcarling@...
> Sent: Saturday, April 26, 2014 11:48 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Tower question
>
>
>
>
>
> Guys
> I have a need for some advice about a small simple tower.
>
> I am looking at putting up a small beam for HF (A3WS Cushcraft) which is about 4 sq ft wind
> load. Need your advice,. I ONLY want to put it up 24 - 30 feet above ground to clear the roof
> over our two story house. I am not climbing on the roof. I want to avoid guy wires and can get
> LIMITED support from a bracket to the gutter. Hip pocket roof and the eaves are recessed
> under the roof edge quite a bit, and not easily accessed for strong support points.
>
> So basically I was looking at something like an aluma 25 footer or a Delhi 28 foot from

> Canada. They are around $600 which is close to affordable... otherwise something like two
> sections of Rohn 25G plpus a mast. I know there are a few options in towers of that size.
> Ideally it would be free standing, no guy wires, and have a tilt over base - maybe even
> homebrew the tilt mechanism, and walk it up or pulley it up into place at some point
along the
> support structure of the tilt over.
>
> I would like to hear from experienced fellas out there. I have only done two towers
before.
> The first was a 60 footer, braced against the house and with two sets of guys. My lot is
too
> small for that here. The second was only 30 feet, (plus mast) and out in the open with
one
> set. Both used Rohn 25G with a gin pole etc. I need to keep this simple, inexpensive and
not
> too strenuous for an old guy.
>
> The mast at the top can add some height. I will measure the actual distance to the peak
of
> the roof but it has to be around 22 or 23 feet.
>
> My friend has a nice looking homebrew hinge plate at the base of a tower, and looks like
it is
> made of angle iron painted with rustoleum for protection.
>
> 73 de AF4K, Bry
>
>
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>
> This email is free from viruses and malware because avast! Antivirus protection is
active.
>
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>

32175. Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 08:10:59 UTC
From: Jeffrey Lord
Topic: 10944 Message: 32175

I an thinking of erecting a 4o mt loop antenna with A 10 mt inside
Yard area is only 15 x 12 meters and I have 4 extendable pipe masts that will give me 7-8 mt height for the antennas
I currently use MFJ 941E tuner but I am looking at a T tuner as the MFJ has seen better-days
Any thoughts please

Jeff
VK4FNRS
Sent from my iPhone

32176. RE: [ham-antennas] Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 08:25:52 UTC
From: Billy McFarland
Topic: 10944 Message: 32176

Jeffrey

A loop will work well with your 10w. Ditch the ladder line tho and feed it with 50ohm coax going to a 4:1 balun. A square loop will be fine. I gas a loop up at my house triangular shape only 6m of the ground and it worked very well on 40m. I don't know how well your loop design will work on 80m but will work well on 40-10m. I had a ldg tuner which handled the loop fine so your tuner should be good.

73 Billy
GM0OBX
SKCC# 12202

32177. AW: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 08:54:36 UTC
From: siegfried jackstien
Topic: 32161 Message: 32177

I think you live on a very tiny property

Not much room on 12x15m for antennas

40m loop will not work (good) on 80

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jeffrey Lord
> Gesendet: Sonntag, 27. April 2014 02:36
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: End-Fed random wire antenna
>
>
>
> Setting up new antenna after 8 months caravan I g around Queensland
> Australia
> Back yard is 14 x 16 yards or 12 x 15 meters
> I have ;4 masts , min ht 6 my or 19ft
> I am looking at putting up a 40 mt loop with open wire feeder to use on 40
> , 80 , 15 , 10 mt bands with a t tuner in line
> What is the groups thoughts ??
>
> Sent from my iPhone
>
>

32178. Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 11:52:08 UTC
From: mikerodgerske5gbc@...
Topic: 10944 Message: 32178

If your transmission line is say 50' or less, then ditching the ladder line may be ok. That's a decision you'll have to make.

The higher the swr on the coax, the higher the loss.

Google the article " the lure of ladder line".

Many run coax. Many more run ladder line to a Balun under the eave and coax thru the wall. I ran it all the way to a Palstar tuner.

73
Mike R

Check out the QRZ app

32179. Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 12:02:38 UTC
From: jc_2aussie
Topic: 10944 Message: 32179

With the loop, Imwas thinking of a 40mt loop and a 10 mt loop inside , I am wondering what if the 2 loops would interact with each other , and if they would act as either reflectors and or directors for each other???
Also I Have a J pole for 2mt &70cm which seems to work well , however I think I should be getting better distance than I am .
Any suggestions on a home brew that will give better radiation & gain??
Thanks for the imput sso far and I will consider all comments , I do a lot on 80mt so really need an antenna that is efficient on that band.
By the way we live on a 609 sq mt block and they are a common size block in Australia, .

Cheers,
JEFF
VK4FNRS

32180. interesting information from KY9C on coax

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 12:11:06 UTC
From: Goldtr8 (KD8NNU)
Topic: 32180 Message: 32180

Lots of discussion about feed line loss and so on in the reflector and there is good information on the web.

The link below was in a email from the Topband group and I found it interesting and I want to share it.

It has nice graphs and detailed information that you should consider before spending your money on coax.

www.k9yc.com/Coax-Stubs.pdf

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

32181. Re: [ham-antennas] Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 14:59:35 UTC
From: <daverickmers@...>
Topic: 32118 Message: 32181

It will be a good transmit antenna. You will need some kind of receive loop, I bet. Digital modes. No voice. 73 de dave/kd6il

32182. AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 15:42:39 UTC
From: siegfried jackstien
Topic: 10944 Message: 32182

If you build a 40m loop ... it will work fine on 10 ... no need to box a 10m loop inside

A good antenna for 80m??? local (nvis) or dx???

Local would be a dipole or also a (horizontal) loop

Dx?? A vertical and an added rx antenna (k9ay loop or similar)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jc_2aussie
> Gesendet: Sonntag, 27. April 2014 12:03
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Loop antenna
>
>
>
> With the loop, Imwas thinking of a 40mt loop and a 10 mt loop inside , I
> am wondering what if the 2 loops would interact with each other , and if
> they would act as either reflectors and or directors for each other???
> Also I Have a J pole for 2mt &70cm which seems to work well , however I
> think I should be getting better distance than I am .
> Any suggestions on a home brew that will give better radiation & gain??
> Thanks for the imput sso far and I will consider all comments , I do a lot
> on 80mt so really need an antenna that is efficient on that band.
> By the way we live on a 609 sq mt block and they are a common size block
> in Australia, .
>
> Cheers,
> JEFF
> VK4FNRS
>
>
>
>

32183. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 21:58:38 UTC
From: Billy McFarland
Topic: 10944 Message: 32183

Totally agree,

One loop should be fine. If your looking for a dx antenna for 80m get a vertical. Even if you can only get it vertical for 8m then slope the rest to the ground that works just as well as a vertical.

73 de GMØOBX Billy

From: siegfried jackstien <siegfried.jackstien@...>
To: ham-antennas@...m
Sent: Sunday, 27 April 2014, 16:42
Subject: AW: [ham-antennas] Re: Loop antenna

If you build a 40m loop ... it will work fine on 10 ... no need to box a 10m loop inside

A good antenna for 80m??? local (nvis) or dx???

Local would be a dipole or also a (horizontal) loop

Dx?? A vertical and an added rx antenna (k9ay loop or similar)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von jc_2aussie
> Gesendet: Sonntag, 27. April 2014 12:03
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Loop antenna
>
>
>
> With the loop, Imwas thinking of a 40mt loop and a 10 mt loop inside , I
> am wondering what if the 2 loops would interact with each other , and if
> they would act as either reflectors and or directors for each other???
> Also I Have a J pole for 2mt &70cm which seems to work well , however I
> think I should be getting better distance than I am .
> Any suggestions on a home brew that will give better radiation & gain??
> Thanks for the imput sso far and I will consider all comments , I do a lot
> on 80mt so really need an antenna that is efficient on that band.
> By the way we live on a 609 sq mt block and they are a common size block
> in Australia, .
>

> Cheers,
> JEFF
> VK4FNRS
>
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>
>

32184. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 22:03:11 UTC
From: Joe
Topic: 10944 Message: 32184
Attachments: 1 described; binary payloads are missing from this source WARC

Question,

A "Sky Lopp" antenna. Should it be resonant on the lowest band of interest? Or just make the thing as big as possible period?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/27/2014 4:58 PM, Billy McFarland wrote:
>
>
> Totally agree,
>
> One loop should be fine. If your looking for a dx antenna for 80m get
> a vertical. Even if you can only get it vertical for 8m then slope the
> rest to the ground that works just as well as a vertical.
>
> *73 de GMØOBX Billy*
>
> ---
> *From:* siegfried jackstien <siegfried.jackstien@...>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Sunday, 27 April 2014, 16:42
> *Subject:* AW: [ham-antennas] Re: Loop antenna
>
> If you build a 40m loop ... it will work fine on 10 ... no need to box
> a 10m
> loop inside
>
> A good antenna for 80m??? local (nvis) or dx???
>
> Local would be a dipole or also a (horizontal) loop
>
> Dx?? A vertical and an added rx antenna (k9ay loop or similar)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com

> [mailto:ham-antennas@yahoogroups.com] Im
> > Auftrag von jc_2aussie
> > Gesendet: Sonntag, 27. April 2014 12:03
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Loop antenna
> >
> >
> >
> > With the loop, Imwas thinking of a 40mt loop and a 10 mt loop inside , I
> > am wondering what if the 2 loops would interact with each other , and if
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> > Also I Have a J pole for 2mt &70cm which seems to work well , however I
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> > Any suggestions on a home brew that will give better radiation & gain??
> > Thanks for the imput sso far and I will consider all comments , I do
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> > on 80mt so really need an antenna that is efficient on that band.
> > By the way we live on a 609 sq mt block and they are a common size block
> > in Australia, .
> >
> > Cheers,
> > JEFF
> > VK4FNRS
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32185. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 22:08:16 UTC
From: Billy McFarland
Topic: 10944 Message: 32185

Joe,

A resonant loop is better obviously. I would always make a loop a multiple example 80m loop works all the way to 10m if I couldn't get a loop for say 80m in my garden but I could for 60m I would make the 60m loop size. Rather than a radian size. That's just my opinion tho.

73 Billy
GM0OBX
SKCC# 12202

32186. Re: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-27 23:49:54 UTC
From: Alex Netherton
Topic: 10944 Message: 32186

You really don't need two loops, especially if fed with ladder line. The losses on coax with a loop would be nasty, plus, tuning would be difficult. I use balanced line with a dipole, see MFJ-1777<http://www.mfjenterprises.com/Product.php?productid=MFJ-1777>, and have very good results, though it really does not like 160 - neither do I really. With my MFJ-993B tuner, it goes to 10, and with a LDG AT-100Pro][, it goes all the way to 6! With balanced line on your loop, you could make the loop for 80 and with a tuner work it through 10 or even up to 6 with no problems.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Sun, Apr 27, 2014 at 11:42 AM, siegfried jackstien <
siegfried.jackstien@freenet.de> wrote:

>
>
> If you build a 40m loop ... it will work fine on 10 ... no need to box a
> 10m
> loop inside
>
> A good antenna for 80m??? local (nvis) or dx???
>
> Local would be a dipole or also a (horizontal) loop
>
> Dx?? A vertical and an added rx antenna (k9ay loop or similar)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von jc_2aussie
> > Gesendet: Sonntag, 27. April 2014 12:03
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Loop antenna
>
> >
> >
> >

> > With the loop, Imwas thinking of a 40mt loop and a 10 mt loop inside , I
> > am wondering what if the 2 loops would interact with each other , and if
> > they would act as either reflectors and or directors for each other???
> > Also I Have a J pole for 2mt &70cm which seems to work well , however I
> > think I should be getting better distance than I am .
> > Any suggestions on a home brew that will give better radiation & gain??
> > Thanks for the imput sso far and I will consider all comments , I do a
> lot
> > on 80mt so really need an antenna that is efficient on that band.
> > By the way we live on a 609 sq mt block and they are a common size block
> > in Australia, .
> >
> > Cheers,
> > JEFF
> > VK4FNRS
> >
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> >
> >
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>

32187. RE: [ham-antennas] Tower question

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 00:36:49 UTC
From: Van Lincoln
Topic: 25 Message: 32187

A few years ago, I used a tower in my backyard
which was 2-ten foot sections of Rohn 25G and 1-section of 10 foot 25G
half buried (5 feet in the dirt hole, threw in
about 4 bags of cement in a lower disc of concrete and an upper disk
of concrete at ground level, then the nice part
was the Beam and rotator were mounted on a Glen Martin Haxer Trolley
which went up and down up and down the side of
the 25G Rohn tower. Lastly, got a 6 foot heavy wall aluminum mast
on the rotator and bolted on my TA-33 Sr.

Worked great, was 1 foot below the roof ridge,
not visible from street, but climbable, and easy
to work on, thanks to the hazer.
TOtal cost was $650 used tower and used hazer and
used rotator, and used TA-33Sr.

Wasn't hard to put up after purchasing all the
parts needed in various hamfests.

Just an Idea for you.
Van
WD8AAM
Minnesota

At 02:12 4/27/2014, you wrote:

>Look at my QSL page
>
>33 Ft crank up used A3 Used
>
>KB3YRC
>
>
>
>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On Behalf Of bcarling@...
>Sent: Saturday, April 26, 2014 11:48 AM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] Tower question
>
>
>
>Guys
>I have a need for some advice about a small simple tower.
>
>I am looking at putting up a small beam for HF (

>A3WS Cushcraft) which is about 4 sq ft wind
>load. Need your advice,. I ONLY want to put it
>up 24 - 30 feet above ground to clear the roof
>over our two story house. I am not climbing on
>the roof. I want to avoid guy wires and can get
>LIMITED support from a bracket to the gutter.
>Hip pocket roof and the eaves are recessed
>under the roof edge quite a bit, and not easily
>accessed for strong support points.
>
>So basically I was looking at something like an
>aluma 25 footer or a Delhi 28 foot from
>Canada. They are around $600 which is close to
>affordable... otherwise something like two
>sections of Rohn 25G plpus a mast. I know there
>are a few options in towers of that size.
>Ideally it would be free standing, no guy wires,
>and have a tilt over base - maybe even
>homebrew the tilt mechanism, and walk it up or
>pulley it up into place at some point along the
>support structure of the tilt over.
>
>I would like to hear from experienced fellas out
>there. I have only done two towers before.
>The first was a 60 footer, braced against the
>house and with two sets of guys. My lot is too
>small for tha
>
>
>----------
>This email is free from viruses and malware
>because <http://www.avast.com/>avast! Antivirus protection is active.
>
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>
>

32188. Re: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 00:38:32 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32161 Message: 32188

a 40 meter loop will be matchable on 80, but the radiation will be very poor. (Lots of cancellation due to the size.)

However, it will do a bang up job on 40 through 10.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: Jeffrey Lord <jc_2aussie@...>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Saturday, April 26, 2014 10:35 PM
Subject: [ham-antennas] Re: End-Fed random wire antenna

Setting up new antenna after 8 months caravan I g around Queensland Australia
Back yard is 14 x 16 yards or 12 x 15 meters
I have ;4 masts , min ht 6 my or 19ft
I am looking at putting up a 40 mt loop with open wire feeder to use on 40 , 80 , 15 , 10 mt bands with a t tuner in line
What is the groups thoughts ??

Sent from my iPhone

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

https://info.yahoo.com/legal/us/yahoo/utos/terms/

32189. Alex Loop vs Alpha Loop - The facts you should know

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 01:41:27 UTC
From: <aa2nh@...>
Topic: 32189 Message: 32189

Alex Loop vs Alpha Loop - The facts you should know

Additional testing is encouraged, and I am sure needed. I have eliminated the differences that appear obvious to me (bands covered, options included, etc.). I will do my best to compare seven common criteria; 1) Durability, 2) Losses, 3) Weight, 4) Bandwidth, 5) Efficiency, 6) Tuning, & 7) Price.

1) DURABILITY
Alex Loop - Primarily constructed of Coax with PL259/SO239 connections & PVC with a variable air capacitor in a plastic box
Alpha Loop - Primarily Annealed/Soft Solid Aluminum with stainless steel bolts/nuts, with variable air capacitors in UL-Listed Weatherproof Outdoor Electrical Box
Winner - By a narrow margin, the Alpha Loop for their use of a UL-Listed Weatherproof Outdoor Electrical Box.

2) LOSSES
Alex Loop - Losses occur when coax is used in the construction of a magnetic loop antenna because the braid of the coax has thousands of connection points.
Additional losses occur at both of the PL259/SO239 where the coax attaches. Alpha Loop - Losses occur at 8 connection points.

Winner - I would like to see an end to end test done on the outer loop of each, measuring resistance and the like, so I will reserve judgement on the outcome till that is performed.

3) WEIGHT
Both the Alpha Loop without tripod and the Alex Loop weigh just under 3 pounds.
Winner - Tie

4) BANDWIDTH
Alex Loop - All we know from the manufacturer is that this loop requires retuning when frequency is changed. Individual analysis from other sources indicates:
28.004 (SWR at 2.2) to 28.060 (SWR at 2.1) around 60 Khz of bandwidth.
21.020 (SWR at 2.0) to 21.070 (SWR at 1.7) around 50Khz of bandwidth
14.000 (SWR at 2.1) to 14.035 (SWR at 1.9) around 35Khz of bandwidth
10.110 (SWR at 1.8) to 10.125 (SWR at 1.9) around 15Khz of bandwidth
7.005 (SWR at 2.5) to 7.015 (SWR at 2.6) around 10Khz of bandwidth

Alpha Loop - The manufacturer of the Alpha Loop (Alpha Antenna) is upfront with a scientific analysis from a RigExpert AA-54 antenna analyzer. Ref:
http://alphaantenna.com/pdf/Alpha_Loop_Analysis.pdf
"Unlike other magnetic loop antennas that require retuning because of narrow bandwidth, the Alpha Loop provides a generous bandwidth of approximately 35% of the 15 meter band, 85% on 17 meters, 20% on 20 meters, 100% on 30 meters, & 20% of the 40 meter band while maintaining an SWR of between 1.1:1 and 3:1. This is made possible because we do not use a coaxial shield or copper tube in the construction of the Alpha Loop Antenna. Rather, the Alpha Loop Antenna uses a specially selected aluminum alloy that has particular chemical properties to make it softer and have less resistance than 'rigid aluminum' tubing. The

minimally resistive properties and physical dimensions help to optimize the bandwidth and effected radiated power of the antenna. Additionally, we use only Brass Bolts and Nuts at the connection points that feed the antenna as well as silver plated shield and gold plated pin connectors on the SO239 at the feed point of the antenna to further decrease the resistance throughout the whole antenna system." ~ Alpha Antenna
Winner - Alpha Antenna

5) EFFICIENCY
Comparing the Alpha Loop & Alex Loop
I have spent much time inputting all of the variables into
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx
http://www.66pacific.com/calculators/small_tx_loop_calc.aspx for the bands that are safe to operate both the Alex and Alpha Loop on, and found why the Alpha Loop has more gain.
The measurements from Alex for his loop are Length of Conductor (antenna "circumference") = 10.3 feet & Diameter of Conductor .32 inches.
Here are the calculated efficencies for the Alex and Alpha Loop antenna's. Please not that the Alpha Loop's measurements are Length of Conductor = 9.92 feet & Diameter of Conductor = .477

Antenna efficiency - The Alpha Loop VS the Alex Loop
From 7 to 7.3 MHz
Alpha Loop; 8% - 9%
Alex Loop; 6% - 7%

From 10.1 to 10.150 MHz
Alpha Loop: 23% - 23%
Alex Loop: 18% - 18%

From 14 to 14.350 MHz
Alpha Loop: 48% - 50%
Alex Loop: 41% - 43%

From 18.068 to 18.168 MHz
Alpha Loop: 69% - 70%
Alex Loop: 63% - 63%

From 21 to 21.450 MHz
Alpha Loop: 79% - 80%
Alex Loop: 74% - 76%

An alarming find when I input Alex's measurements for his loop into
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For more information on this, see the section titled "Inductance and self-resonance" here:
http://www.antennex.com/preview/Dec03/Dec603/Loopantennas.htm
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6) TUNING
Bandwidth determines how often an antenna has to be retuned, so the Alpha Loop has a fair advantage over the Alex Loop from the start. When retuning is required, the 6:1 reduction drive in the Alpha Loop's MicroTune version makes it easy to declare the Winner - Alpha Loop.

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Alex Loop (antenna only) $366 Delivered. Ref http://www.alexloop.com/buy.html
Alpha Loop (Antenna Only) $295 Delivered* Ref https://amateurradiostore.com/all-alpha-antennas-c-2/15-to-40-meter-alpha-loop-jr-without-tripod-or-bag-xmt-rcv-p-272 https://amateurradiostore.com/all-alpha-antennas-c-2/15-to-40-meter-alpha-loop-jr-without-tripod-or-bag-xmt-rcv-p-272

*$275 before delivery plus avg CONUS price est. at $20

John
AA2NH

32190. Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 02:03:49 UTC
From: Alex Netherton
Topic: 32189 Message: 32190

I would build my own "Alex" loop, since that is my name. A magnetic loop can be constructed for less than $50 US, and you can say "I built that!"
73 de kc4bo
On Apr 27, 2014 9:41 PM, <aa2nh@...> wrote:

>
>
> Alex Loop vs Alpha Loop - The facts you should know
>
> Additional testing is encouraged, and I am sure needed. I have eliminated
> the differences that appear obvious to me (bands covered, options included,
> etc.). I will do my best to compare seven common criteria; 1) Durability,
> 2) Losses, 3) Weight, 4) Bandwidth, 5) Efficiency, 6) Tuning, & 7) Price.
>
> 1) DURABILITY
> Alex Loop - Primarily constructed of Coax with PL259/SO239 connections &
> PVC with a variable air capacitor in a plastic box
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> bolts/nuts, with variable air capacitors in UL-Listed Weatherproof Outdoor
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> Winner - By a narrow margin, the Alpha Loop for their use of a UL-Listed Weatherproof
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> 2) LOSSES
> Alex Loop - Losses occur when coax is used in the construction of a
> magnetic loop antenna because the braid of the coax has thousands of
> connection points.
> Additional losses occur at both of the PL259/SO239 where the coax
> attaches.
> Alpha Loop - Losses occur at 8 connection points.
> Winner - I would like to see an end to end test done on the outer loop of
> each, measuring resistance and the like, so I will reserve judgement on the
> outcome till that is performed.
>
> 3) WEIGHT
> Both the Alpha Loop without tripod and the Alex Loop weigh just under 3
> pounds.
> Winner - Tie
>
> 4) BANDWIDTH
> Alex Loop - All we know from the manufacturer is that this loop requires
> retuning when frequency is changed. Individual analysis from other sources
> indicates:
> 28.004 (SWR at 2.2) to 28.060 (SWR at 2.1) around 60 Khz of bandwidth.

> 21.020 (SWR at 2.0) to 21.070 (SWR at 1.7) around 50Khz of bandwidth
> 14.000 (SWR at 2.1) to 14.035 (SWR at 1.9) around 35Khz of bandwidth
> 10.110 (SWR at 1.8) to 10.125 (SWR at 1.9) around 15Khz of bandwidth
> 7.005 (SWR at 2.5) to 7.015 (SWR at 2.6) around 10Khz of bandwidth
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> Alpha Loop - The manufacturer of the Alpha Loop (Alpha Antenna) is upfront
> with a scientific analysis from a RigExpert AA-54 antenna analyzer. Ref:
> http://alphaantenna.com/pdf/Alpha_Loop_Analysis.pdf
> "Unlike other magnetic loop antennas that require retuning because of
> narrow bandwidth, the Alpha Loop provides a generous bandwidth of
> approximately 35% of the 15 meter band, 85% on 17 meters, 20% on 20 meters,
> 100% on 30 meters, & 20% of the 40 meter band while maintaining an SWR of
> between 1.1:1 and 3:1. This is made possible because we do not use a
> coaxial shield or copper tube in the construction of the Alpha Loop
> Antenna. Rather, the Alpha Loop Antenna uses a specially selected aluminum
> alloy that has particular chemical properties to make it softer and have
> less resistance than 'rigid aluminum' tubing. The minimally resistive
> properties and physical dimensions help to optimize the bandwidth and
> effected radiated power of the antenna. Additionally, we use only Brass
> Bolts and Nuts at the connection points that feed the antenna as well as
> silver plated shield and gold plated pin connectors on the SO239 at the
> feed point of the antenna to further decrease the resistance throughout the
> whole antenna system." ~ Alpha Antenna
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> 5) EFFICIENCY
> Comparing the Alpha Loop & Alex Loop
> I have spent much time inputting all of the variables into
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> The measurements from Alex for his loop are Length of Conductor (antenna
> "circumference") = 10.3 feet & Diameter of Conductor .32 inches.
> Here are the calculated efficencies for the Alex and Alpha Loop antenna's.
> Please not that the Alpha Loop's measurements are Length of Conductor =
> 9.92 feet & Diameter of Conductor = .477
>
> Antenna efficiency - The Alpha Loop VS the Alex Loop
> From 7 to 7.3 MHz
> Alpha Loop; 8% - 9%
> Alex Loop; 6% - 7%
>
> From 10.1 to 10.150 MHz
> Alpha Loop: 23% - 23%
> Alex Loop: 18% - 18%
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> From 14 to 14.350 MHz
> Alpha Loop: 48% - 50%
> Alex Loop: 41% - 43%
>

> From 18.068 to 18.168 MHz
> Alpha Loop: 69% - 70%
> Alex Loop: 63% - 63%
>
> From 21 to 21.450 MHz
> Alpha Loop: 79% - 80%
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>
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>
> *$275 before delivery plus avg CONUS price est. at $20
>
> John
> AA2NH
>
>

32191. cactus j pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 04:26:07 UTC
From: <t2kb3ysu2@...>
Topic: 32191 Message: 32191

want to know would a bad solioder jont give a hum rf or like charging a battery with a wouxon handheld two meters homemade copper j pole with the loop 3/4 of inch gap on the short end I am told I sound or with me talking it also sounds I am charging a battery or rf hum need help 73s be watching kb3ysu

32192. Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 06:13:22 UTC
From: Craig Palmer KF5JYZ
Topic: 32189 Message: 32192

okay where could one find the var. cap. so cheap? another then the texts between the two loops did not cover portablity . as my use will be HFpack that is important.

Craig

From: Alex Netherton
Sent: Sunday, April 27, 2014 9:03 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

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On Apr 27, 2014 9:41 PM, <aa2nh@...> wrote:

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Additional testing is encouraged, and I am sure needed. I have eliminated the differences that appear obvious to me (bands covered, options included, etc.). I will do my best to compare seven common criteria; 1) Durability, 2) Losses, 3) Weight, 4) Bandwidth, 5) Efficiency, 6) Tuning, & 7) Price.

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Alpha Loop - Losses occur at 8 connection points.
Winner - I would like to see an end to end test done on the outer loop of each, measuring resistance and the like, so I will reserve judgement on the outcome till that is performed.

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Both the Alpha Loop without tripod and the Alex Loop weigh just under 3 pounds.
Winner - Tie

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"Unlike other magnetic loop antennas that require retuning because of narrow bandwidth, the Alpha Loop provides a generous bandwidth of approximately 35% of the 15 meter band, 85% on 17 meters, 20% on 20 meters, 100% on 30 meters, & 20% of the 40 meter band while maintaining an SWR of between 1.1:1 and 3:1. This is made possible because we do not use a coaxial shield or copper tube in the construction of the Alpha Loop Antenna. Rather, the Alpha Loop Antenna uses a specially selected aluminum alloy that has particular chemical properties to make it softer and have less resistance than 'rigid aluminum' tubing. The minimally resistive properties and physical dimensions help to optimize the bandwidth and effected radiated power of the antenna. Additionally, we use only Brass Bolts and Nuts at the connection points that feed the antenna as well as silver plated shield and gold plated pin connectors on the SO239 at the feed point of the antenna to further decrease the resistance throughout the whole antenna system." ~ Alpha Antenna
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John
AA2NH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4336 / Virus Database: 3920/7242 - Release Date: 03/24/14
Internal Virus Database is out of date.

32193. RE: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 06:17:11 UTC
From: Dan
Topic: 32189 Message: 32193

Craig,

AlexLoop has a portable version which I own. I never considered the others as I am not aware of any portable units they make. The AlexLoop Walkman comes with a nice carrying case and setup time is 1-2 minutes.

73, Dan 9V1DB

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Craig Palmer KF5JYZ
Sent: Monday, April 28, 2014 2:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

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Craig

From: Alex Netherton <mailto:anetherton@...>

Sent: Sunday, April 27, 2014 9:03 PM

To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>

Subject: Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

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John

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Version: 2014.0.4336 / Virus Database: 3920/7242 - Release Date: 03/24/14
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32194. Re: [ham-antennas] Alex Loop vs Alpha Loop - The facts you should know

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 06:21:41 UTC
From: Todd F. Carney / K7TFC
Topic: 32189 Message: 32194

On Mon, Apr 28, 2014 at 6:13 AM, Craig Palmer KF5JYZ <craigjp@mygrande.net>
wrote:

> okay where could one find the var. cap. so cheap?
>

Craig,

I have air-variable caps coming out of my ears for sale. Let me know what
range in pF you need and I will let you know how cheap.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

32195. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 06:29:37 UTC
From: mikerodgerske5gbc@...
Topic: 10944 Message: 32195

Joe wrote:
Question,

A "Sky Lopp" antenna. Should it be resonant on the lowest band of interest? Or just make the thing as big as possible period?

Joe WB9SBD

Reply: If using coax it will be better to get it resonant.

If ladder line , you don't need to fuss with it unless you want to.

73
Mike R

Check out the QRZ app

32196. RE: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 12:06:01 UTC
From: Richard Schmuke
Topic: 10944 Message: 32196

Joe, I made my loop about 80M in size and adjusted the length for a good SWR in the middle of the 20M band. I use it 80M thru 6M.

M0MCX has a good YouTube on MMANA for this loop set up.

Rich, Kd0zz

Joe wrote:
Question,

A "Sky Lopp" antenna. Should it be resonant on the lowest band of interest? Or just make the thing as big as possible period?

Joe WB9SBD

32197. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 14:21:15 UTC
From: <daverickmers@...>
Topic: 10944 Message: 32197

My limited experience with full size horizontal loops fed with a 4:1 balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from about half the resonant frequency through HF.) I only receive on the loops. YMMV 73 de dave/kd6il

32198. Re: [ham-antennas] Tower question

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 14:46:10 UTC
From: Brian Carling
Topic: 25 Message: 32198

Yes I did the same with a grown tower that was guy and only buried about 2 feet of the bottom section in the ground. For a shorter, freestanding tower I would bury a larger part of the bottom section and maybe use one cubic yard of concrete or more in the hole.

I have seen freestanding run 20 5G towers that are quite tall. However I think it is only safe with a shorter tower. Especially somewhere like where I live in Florida.

Best regards - Bry Carling

> On Apr 27, 2014, at 8:36 PM, Van Lincoln <vlincoln@frontiernet.net> wrote:
>
> A few years ago, I used a tower in my backyard which was 2-ten foot sections of Rohn 25G and 1-section of 10 foot 25G
> half buried (5 feet in the dirt hole, threw in about 4 bags of cement in a lower disc of concrete and an upper disk
> of concrete at ground level, then the nice part was the Beam and rotator were mounted on a Glen Martin Haxer Trolley
> which went up and down up and down the side of the 25G Rohn tower. Lastly, got a 6 foot heavy wall aluminum mast
> on the rotator and bolted on my TA-33 Sr.
>
> Worked great, was 1 foot below the roof ridge, not visible from street, but climbable, and easy to work on, thanks to the hazer.
> TOtal cost was $650 used tower and used hazer and used rotator, and used TA-33Sr.
>
> Wasn't hard to put up after purchasing all the parts needed in various hamfests.
>
> Just an Idea for you.
> Van
> WD8AAM
> Minnesota
>
>
> At 02:12 4/27/2014, you wrote:
>
>
>
>> Look at my QSL page
>>
>> 33 Ft crank up used A3 Used
>>
>> KB3YRC
>>
>>
>>
>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of

bcarling@...
>> Sent: Saturday, April 26, 2014 11:48 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] Tower question
>>
>>
>>
>> Guys
>> I have a need for some advice about a small simple tower.
>>
>> I am looking at putting up a small beam for HF (A3WS Cushcraft) which is about 4 sq ft wind
>> load. Need your advice,. I ONLY want to put it up 24 - 30 feet above ground to clear the roof
>> over our two story house. I am not climbing on the roof. I want to avoid guy wires and can get
>> LIMITED support from a bracket to the gutter. Hip pocket roof and the eaves are recessed
>> under the roof edge quite a bit, and not easily accessed for strong support points.
>>
>> So basically I was looking at something like an aluma 25 footer or a Delhi 28 foot from
>> Canada. They are around $600 which is close to affordable... otherwise something like two
>> sections of Rohn 25G plpus a mast. I know there are a few options in towers of that size.
>> Ideally it would be free standing, no guy wires, and have a tilt over base - maybe even
>> homebrew the tilt mechanism, and walk it up or pulley it up into place at some point along the
>> support structure of the tilt over.
>>
>> I would like to hear from experienced fellas out there. I have only done two towers before.
>> The first was a 60 footer, braced against the house and with two sets of guys. My lot is too
>> small for tha
>>
>> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>

32199. Loop Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 14:48:24 UTC
From: <soona4sail@...>
Topic: 6496 Message: 32199

Loop antennas, are my favorite antenna. I am lucky enough to have enough room to build large loops (in excess of 1000 ft) but even smaller loops (40 mtr and up) work very well.

Couple of points: To get the most out of your loop, and to make it into a multiband antenna, it should be fed with a balanced line. My feedline comes down to a 4 to 1 current balun, just outside the shack window, then
short piece of coax, for convenience, thru the window to a tuner. My Elmer tells me to use a CURRENT balun,and NOT a voltage balun. Voltage baluns, according to him, are a sure fire way to guarantee RF on the outside of any coax in the system.

It is also important to avoid multiples of frequency wavelengths on your feedline. Google "Feedline lengths to avoid"

Finally, here is a link (not me) to one of the best loop antenna construction sites on the internet I have found.

http://www.k5rcd.org/hor%20loop%20instruct.htm
http://www.k5rcd.org/hor%20loop%20instruct.htm

Loop antennas, are simple, inexpensive, and work well. If you can, build your own open wire feedline, it is the best way to go. The twin leads, and open wire ladderlines, have their own set of issues, i.e. sometimes the wires breaks inside the insulation, and they are very susceptible to tuning issues when wet, frosty, or covered in snow.

Good luck and good DX
Soonasail

32200. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 15:16:21 UTC
From: Gerald Bishop
Topic: 10944 Message: 32200

Why ??? They tx well,also- Lucky if you get better than 2 to 1 swr. Mine works well up to 20 mtrs. 268 ft long and 35 ft high- De Jerry W8KQ
----- Original Message -----
From: daverickmers@...
To: ham-antennas@yahoogroups.com
Sent: Monday, April 28, 2014 10:21 AM
Subject: Re: AW: [ham-antennas] Re: Loop antenna

My limited experience with full size horizontal loops fed with a 4:1 balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from about half the resonant frequency through HF.) I only receive on the loops. YMMV 73 de dave/kd6il

---
This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32201. Re: [ham-antennas] Loop Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 15:20:34 UTC
From: Joe
Topic: 6496 Message: 32201
Attachments: 1 described; binary payloads are missing from this source WARC

Here is an interesting question.

The 4 to 1 balun I do have, (commercial made one) OLD, ohh 5 years maybe? A W2AU made one. Now it is totally weathered, so there is no visible writing anymore.
Is there a way to tell if it is a current,, or a voltage one?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 4/28/2014 9:48 AM, soona4sail@... wrote:
>
>
> Loop antennas, are my favorite antenna. I am lucky enough to have
> enough room to build large loops (in excess of 1000 ft) but even
> smaller loops (40 mtr and up) work very well.
>
>
> Couple of points: To get the most out of your loop, and to make it
> into a multiband antenna, it should be fed with a balanced line. My
> feedline comes down to a 4 to 1 current balun, just outside the shack
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> short piece of coax, for convenience, thru the window to a tuner. My
> Elmer tells me to use a CURRENT balun,and NOT a voltage balun. Voltage
> baluns, according to him, are a sure fire way to guarantee RF on the
> outside of any coax in the system.
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> It is also important to avoid multiples of frequency wavelengths on
> your feedline. Google "Feedline lengths to avoid"
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> construction sites on the internet I have found.
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> http://www.k5rcd.org/hor%20loop%20instruct.htm
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>
> Loop antennas, are simple, inexpensive, and work well. If you can,

> build your own open wire feedline, it is the best way to go. The twin
> leads, and open wire ladderlines, have their own set of issues, i.e.
> sometimes the wires breaks inside the insulation, and they are very
> susceptible to tuning issues when wet, frosty, or covered in snow.
>
>
> Good luck and good DX
>
> Soonasail
>
>
>
>

32202. Re: [ham-antennas] Loop Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 15:23:54 UTC
From: Billy McFarland
Topic: 6496 Message: 32202

It'll be a voltage balun. It's the same OCF dipoles people say you need to use a 4:1 current balun. At my qth mine is a 4:1 voltage balun and u never have any rf issues on the coax. I can't remember how to do a test but I'm sure there's a video on YouTube showing you. (I would need to look)

73 Billy
GM0OBX
SKCC# 12202

32203. RE: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 15:40:08 UTC
From: Richard Schmuke
Topic: 10944 Message: 32203

I cannot explain why in a technical form but I know my antenna does not work as a square with good SWR points. Mine is a 80M size delta loop and has low SWR on all but 18 & 10Mhz but my internal tuner takes up the slack on those bands. I lowered my antenna one time because of a ice storm, raised it back up thru about 18” of snow and the readings were off because I had lost a support in a tree. I reset the shape back to a delta and again had good SWR. I use a homemade 4:1 duel rod balun at the apex feed point. I am doing a slight foliage adjustment with a Stihl #028 and plan on extending my delta to a 160 size, I will have to make a new 4:1 current balun to lower its center frequency also because the main operation of the loop will be 160 thru 40 and the center point of the balun in use is 10Mhz. I have a hex beam to do the rest, 20 thru 6. The chart below shows how a 283 or a 566 delta loop can cover several bands.

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

141.540

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3.5

3

2.5

2

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212.310

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4.5

3.8

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283.080

8X

7X

6X

5X

4X

2X

1X

353.850

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8.8

7.5

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2.5

1.3

424.620

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7.6

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1.6

495.390

14

12.3

10.5

8.9

7

3.5

1.8

566.160

16X

14X

12X

10X

8X

4X

2X

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of daverickmers@...
Sent: Monday, April 28, 2014 9:21 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Re: Loop antenna

My limited experience with full size horizontal loops fed with a 4:1 balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from about half the resonant frequency through HF.) I only receive on the loops. YMMV 73 de dave/kd6il

[Non-text portions of this message have been removed]

32204. Looks like I was wrong - the Alpha Loop is 10-40M now

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 16:02:14 UTC
From: <aa2nh@...>
Topic: 32204 Message: 32204

Alpha Antenna's loop is now 10-40 Meters (SEE HERE https://amateurradiostore.com/all-alpha-antennas-c-2/new-1040m-microtune-magnetic-loop-antenna-tripod-mount-bag-p-282). So suddenly all my posts about the Alpha Loop only being for 15-40 Meters are incorrect. Fortunately, they haven't tried to break the laws of physics and make their loop work 'as is' on 10-40 Meters continuous. Rather, they still adhere to the rule proven by all Magnetic Loop Antenna calculators, which shows that no MLA should be operated 10-40 Meters without a physical change to the length of the outer loop. In other words, to avoid self-resonance, an MLA should be for either 15-40 Meters or 10-30 Meters, unless you change the length of the outer loop. Constructing a MLA with coverage from 10-40 Meter continuous coverage without changing the physical dimensions of the outer loop is breaking the laws of physics.

John

AA2NH

32205. Re: [ham-antennas] Looks like I was wrong - the Alpha Loop is 10-40M now

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 16:08:56 UTC
From: Brian Carling
Topic: 32204 Message: 32205

Can you be arrested for that?

But seriously, a lot of antennas work in spite of their breaking the rules!

Best regards - Bry Carling

> On Apr 28, 2014, at 12:02 PM, <aa2nh@...> wrote:
>
> Alpha Antenna's loop is now 10-40 Meters (SEE HERE). So suddenly all my posts about the Alpha Loop only being for 15-40 Meters are incorrect. Fortunately, they haven't tried to break the laws of physics and make their loop work 'as is' on 10-40 Meters continuous. Rather, they still adhere to the rule proven by all Magnetic Loop Antenna calculators, which shows that no MLA should be operated 10-40 Meters without a physical change to the length of the outer loop. In other words, to avoid self-resonance, an MLA should be for either 15-40 Meters or 10-30 Meters, unless you change the length of the outer loop. Constructing a MLA with coverage from 10-40 Meter continuous coverage without changing the physical dimensions of the outer loop is breaking the laws of physics.
>
> John
>
>
>
> AA2NH
>
>

32206. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 16:31:04 UTC
From: Alex Netherton
Topic: 10944 Message: 32206

>>If you're looking for a dx antenna for 80m get a vertical. Even if you can only get it vertical for 8m then slope the rest to the ground that works just as well as a vertical. >>

The kicker here is to ground it as well as you can. If you live on the beach or where the ground is saturated with salt water, or perhaps even fresh, then a 4 foot ground rod (8 foot is better, of course) is all that is needed. For the rest of us who live in "ordinary" soil, then ground radials are in order. For 80 meters, four (4) 65 foot radials can make all the difference. If you can do it, bury them an inch or so. If you can't do that, then string a 65 foot piece of wire around the base of the house.

What he is talking about is a "lazy L" antenna, where you get as much of it as possible vertical, and then run the rest out horizontally; it still acts as a vertical.

Alex

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Mon, Apr 28, 2014 at 11:40 AM, Richard Schmuke <rdj@...> wrote:

>
>
> I cannot explain why in a technical form but I know my antenna does not
> work as a square with good SWR points. Mine is a 80M size delta loop and
> has low SWR on all but 18 & 10Mhz but my internal tuner takes up the slack
> on those bands. I lowered my antenna one time because of a ice storm,
> raised it back up thru about 18” of snow and the readings were off because
> I had lost a support in a tree. I reset the shape back to a delta and again
> had good SWR. I use a homemade 4:1 duel rod balun at the apex feed point. I
> am doing a slight foliage adjustment with a Stihl #028 and plan on
> extending my delta to a 160 size, I will have to make a new 4:1 current
> balun to lower its center frequency also because the main operation of the
> loop will be 160 thru 40 and the center point of the balun in use is 10Mhz.
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> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> On Behalf Of daverickmers@...
> Sent: Monday, April 28, 2014 9:21 AM
>
> To: ham-antennas@yahoogroups.com
> Subject: Re: AW: [ham-antennas] Re: Loop antenna
>
> My limited experience with full size horizontal loops fed with a 4:1 balun
> has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from about
> half the resonant frequency through HF.) I only receive on the loops. YMMV
> 73 de dave/kd6il
>
> [Non-text portions of this message have been removed]
>
>
>

32207. 40 meter 1/2 wave

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 17:57:05 UTC
From: <rs1946@...>
Topic: 32207 Message: 32207

I have a 40 meter 1/2 wave wire dipole antenna about 18 feet off the ground strung between two short trees. The antenna is feed with about 80 feet of 50 ohm coax. I also wound about 18 feet of coax around a piece of plastic pipe. question is do I need the winding or should I keep the winding but make it shorter. Also I needed to support the plastic pipe and it is taped to a long piece of 3/4 copper pipe going thought the center of the pipe. Does the copper pipe affect the antenna. Thanks Bob

32208. Re: [ham-antennas] 40 meter 1/2 wave

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 18:03:21 UTC
From: Don Sanders
Topic: 32207 Message: 32208

It is probably best to keep the ugly current balun in the line of coax. Hopefully it is close to the antenna. For 40 meters you should have about 20 feet of coax in the winding. The copper pipe should not affect the winding but I get the impression it is not at the feedpoint of the dipole where it should be.

Don W4BWS

>
>
>

--
Dr. Don W4BWS

32209. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 18:26:17 UTC
From: Geoff NW7GM
Topic: 10944 Message: 32209

Rich,

Do you have that chart as a Excel document or similar? I'd like to take a look at it. The way you sent it is not formatted as a chart, but as a single column of text.

With all this talk about loops recently, I printed off a Google Maps image of my property just to see what I could possibly string up as far as loops go. I think I can put up a loop that will be approx 90' x 56' x 90' x 50'... mostly a rectangle. The total wire length would be 286', which looks like it will be in the range of 3.6MHz or so... I think I might just add on a few more feet of wire to run down to my SGC-239 auto tuner (coupler) with a few spacers I have - to make an open wire feed - for multiband use. The length of the feed wouldn't be very long at all. I think I could get the antenna up to about 28', but not sure about that. The least expensive fiberglass poles I've seen that are that length are the Jackite poles, which I know are kinda flimsy at the top. I wonder if they would even be able to support 18ga wires of that length.

Anyway, it's nice to know that I can have an 80m loop on my property (I could do larger but that would involve going over/under our electrical service drop... don't want to even go there).

Geoff, NW7GM
Seattle, WA
CN87tr

On Mon, Apr 28, 2014 at 8:40 AM, Richard Schmuke <rdj@...> wrote:

>
>
> I cannot explain why in a technical form but I know my antenna does not
> work as a square with good SWR points. Mine is a 80M size delta loop and
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> On Behalf Of daverickmers@...
> Sent: Monday, April 28, 2014 9:21 AM
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> To: ham-antennas@yahoogroups.com
> Subject: Re: AW: [ham-antennas] Re: Loop antenna
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> half the resonant frequency through HF.) I only receive on the loops. YMMV
> 73 de dave/kd6il
>
> [Non-text portions of this message have been removed]
>
>
>

32210. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 18:35:50 UTC
From: Mike P.
Topic: 31890 Message: 32210

Did your Elmer teach you English as well? It doesnt look like it.

On Thursday, April 24, 2014 9:05 AM, "jerrybosak@..." <jerrybosak@...> wrote:

>Jim,
>
>
>The General Class Amateur Radio License does not expect anyone to know anything.
>The license examination itself is nothing more then a primer.
>The questions on the test exposes the operator to a smorgasbord of topics and gives you a little exposure to those topics.
>
>
>The old hams that wrote the test uses this as a way to identify those that are unwilling to study and learn.
>
>
>The test itself is nothing more then memorization.
>A person that has a good memory can identify the questions and pair them up to the right answer and regurgitate the right answer just long enough to get the license.
>
>
>The antenna book shows you how to build a simple antenna.
>Lets take the G5RV for example.
>The G5RV is a very poor resonator.
>It's creator - Louis Varney took that design to the grave with him, because it bothered him so much that it didn't work especially well - anywhere except 20 meters.
>
>
>When the G5RV was designed, the transmitters used tubes and the matching networks were very robust..
>A Johnson Matchbox is a good example.
>Un-knowledgeable hams often times exclaimed that you could tune up everything from a bed bug to the London bridge as long as you used a piece of ladder line..
>
>
>It was the coaxial cable that caused all the problems for the hams that came along after the golden era of ham radio.
>
>
>The only thing the antenna book will teach you is how to layout and build a antenna.. The rated gain of the antenna and the lobe angle expected from the antenna at X height.
>
>
>The take off angle of your signals and the signals you wish to receive is very important.

>
>
>Everything pertaining to radio is all about Location, Location, Location....
>
>
>Being in the highest place gives you a great take off angle and offers you the most signal available, but also increases the noise level..
>
>
>Its not always advantageous to have the highest antenna or live in the highest elevations.
>
>
>NVIS can be a very good antenna if you do not want to work DX, and just want to listen locally - up to 500 miles - which is what most hams does anyways.
>
>
>My Elmer once said there are two kinds of antenna's, the kind that works and the kind that does not!
>
>
>---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :
>
>
>I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.
>
>Thanks,
>
>Jim, K6JMG
>--
>Jim, K6JMG
>
>
>

32211. AW: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 18:33:32 UTC
From: siegfried jackstien
Topic: 10944 Message: 32211

If it does help ... i made an ecel sheet for my notes from my topband loop

Fed with ladderline and a homebrewed balun

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Montag, 28. April 2014 18:26
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Loop antenna
>
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>
> Rich,
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>
> Do you have that chart as a Excel document or similar? I'd like to take a
> look at it. The way you sent it is not formatted as a chart, but as a
> single column of text.
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>
> With all this talk about loops recently, I printed off a Google Maps image
> of my property just to see what I could possibly string up as far as loops
> go. I think I can put up a loop that will be approx 90' x 56' x 90' x
> 50'... mostly a rectangle. The total wire length would be 286', which
> looks like it will be in the range of 3.6MHz or so... I think I might just
> add on a few more feet of wire to run down to my SGC-239 auto tuner
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> multiband use. The length of the feed wouldn't be very long at all. I
> think I could get the antenna up to about 28', but not sure about that.
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> the Jackite poles, which I know are kinda flimsy at the top. I wonder if
> they would even be able to support 18ga wires of that length.
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> Anyway, it's nice to know that I can have an 80m loop on my property (I
> could do larger but that would involve going over/under our electrical
> service drop... don't want to even go there).
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>
> Geoff, NW7GM

> Seattle, WA
> CN87tr
>
>
> On Mon, Apr 28, 2014 at 8:40 AM, Richard Schmuke <rdj@wildblue.net> wrote:
>
>
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> I cannot explain why in a technical form but I know my antenna does
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> 8.8
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> 7.5
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> 1.3
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> 424.620
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> 12
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> 10.6
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> 3
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> 1.6
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> 495.390
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> 14
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> 12.3
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> 10.5
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> 8.9
>
> 7
>
> 3.5
>
> 1.8
>
> 566.160
>
> 16X
>
> 14X
>
> 12X
>
> 10X
>
> 8X

>
> 4X
>
> 2X
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On Behalf Of daverickmers@...
> Sent: Monday, April 28, 2014 9:21 AM
>
>
> To: ham-antennas@yahoogroups.com
> Subject: Re: AW: [ham-antennas] Re: Loop antenna
>
>
> My limited experience with full size horizontal loops fed with a 4:1
> balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from
> about half the resonant frequency through HF.) I only receive on the
> loops. YMMV 73 de dave/kd6il
>
>
> [Non-text portions of this message have been removed]
>
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>

32212. Re: AW: [ham-antennas] Re: Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 18:49:32 UTC
From: Geoff NW7GM
Topic: 10944 Message: 32212

Thanks Sigi, it might help. You can send it to me direct.

Geoff, NW7GM
Seattle, WA
CN87tr

On Mon, Apr 28, 2014 at 11:33 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

>
>
> If it does help ... i made an ecel sheet for my notes from my topband loop
>
> Fed with ladderline and a homebrewed balun
>
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Montag, 28. April 2014 18:26
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Re: Loop antenna
>
> >
> >
> >
> > Rich,
> >
> >
> > Do you have that chart as a Excel document or similar? I'd like to take a
> > look at it. The way you sent it is not formatted as a chart, but as a
> > single column of text.
> >
> >
> > With all this talk about loops recently, I printed off a Google Maps
> image
> > of my property just to see what I could possibly string up as far as
> loops
> > go. I think I can put up a loop that will be approx 90' x 56' x 90' x
> > 50'... mostly a rectangle. The total wire length would be 286', which
> > looks like it will be in the range of 3.6MHz or so... I think I might

> just
> > add on a few more feet of wire to run down to my SGC-239 auto tuner
> > (coupler) with a few spacers I have - to make an open wire feed - for
> > multiband use. The length of the feed wouldn't be very long at all. I
> > think I could get the antenna up to about 28', but not sure about that.
> > The least expensive fiberglass poles I've seen that are that length are
> > the Jackite poles, which I know are kinda flimsy at the top. I wonder if
> > they would even be able to support 18ga wires of that length.
> >
> >
> > Anyway, it's nice to know that I can have an 80m loop on my property (I
> > could do larger but that would involve going over/under our electrical
> > service drop... don't want to even go there).
> >
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> >
> > On Mon, Apr 28, 2014 at 8:40 AM, Richard Schmuke <rdj@...>
> wrote:
> >
> >
> >
> >
> >
> > I cannot explain why in a technical form but I know my antenna does
> > not work as a square with good SWR points. Mine is a 80M size delta loop
> > and has low SWR on all but 18 & 10Mhz but my internal tuner takes up the
> > slack on those bands. I lowered my antenna one time because of a ice
> > storm, raised it back up thru about 18” of snow and the readings were off
> > because I had lost a support in a tree. I reset the shape back to a delta
> > and again had good SWR. I use a homemade 4:1 duel rod balun at the apex
> > feed point. I am doing a slight foliage adjustment with a Stihl #028 and
> > plan on extending my delta to a 160 size, I will have to make a new 4:1
> > current balun to lower its center frequency also because the main
> > operation of the loop will be 160 thru 40 and the center point of the
> > balun in use is 10Mhz. I have a hex beam to do the rest, 20 thru 6. The
> > chart below shows how a 283 or a 566 delta loop can cover several bands.
> >
> > Overall Length Ft
> >
> > 10M
> >
> > 12M
> >
> > 15M
> >
> > 17M

> >
> > 20M
> >
> > 40M
> >
> > 80M
> >
> > 141.540
> >
> > 4
> >
> > 3.5
> >
> > 3
> >
> > 2.5
> >
> > 2
> >
> > 1
> >
> > 0.5
> >
> > 212.310
> >
> > 6
> >
> > 5.3
> >
> > 4.5
> >
> > 3.8
> >
> > 3
> >
> > 1.5
> >
> > 0.8
> >
> > 283.080
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> > 8X
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> > 7X
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> > 6X
> >
> > 5X
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> > 4X

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> >
> > 2X
> >
> > 1X
> >
> > 353.850
> >
> > 10
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> > 8.8
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> > 7.5
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> > 6.4
> >
> > 5
> >
> > 2.5
> >
> > 1.3
> >
> > 424.620
> >
> > 12
> >
> > 10.6
> >
> > 9
> >
> > 7.6
> >
> > 6
> >
> > 3
> >
> > 1.6
> >
> > 495.390
> >
> > 14
> >
> > 12.3
> >
> > 10.5
> >
> > 8.9
> >
> > 7
> >
> > 3.5
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> >
> > 1.8
> >
> > 566.160
> >
> > 16X
> >
> > 14X
> >
> > 12X
> >
> > 10X
> >
> > 8X
> >
> > 4X
> >
> > 2X
> >
> > Rich, Kd0zz
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-
> > antennas@yahoogroups.com] On Behalf Of daverickmers@...
> > Sent: Monday, April 28, 2014 9:21 AM
> >
> >
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: AW: [ham-antennas] Re: Loop antenna
> >
> >
> > My limited experience with full size horizontal loops fed with a 4:1
> > balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from
> > about half the resonant frequency through HF.) I only receive on the
> > loops. YMMV 73 de dave/kd6il
> >
> >
> > [Non-text portions of this message have been removed]
> >
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>
>

32213. RE: [ham-antennas] Loop Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:27:45 UTC
From: Richard Schmuke
Topic: 6496 Message: 32213

Sorry about the chart before

Subject: RE: AW: [ham-antennas] Re: Loop antenna

Sorry for the first chart I sent

I cannot explain why in a technical form but I know my antenna does not work as a square with good SWR points. Mine is a 80M size delta loop and has low SWR on all but 18 & 10Mhz but my internal tuner takes up the slack on those bands. I lowered my antenna one time because of a ice storm, raised it back up thru about 18” of snow and the readings were off because I had lost a support in a tree. I reset the shape back to a delta and again had good SWR. I use a homemade 4:1 duel rod balun at the apex feed point. I am doing a slight foliage adjustment with a Stihl #028 and plan on extending my delta to a 160 size, I will have to make a new 4:1 current balun to lower its center frequency also because the main operation of the loop will be 160 thru 40 and the center point of the balun in use is 10Mhz. I have a hex beam to do the rest, 20 thru 6. The chart below shows how a 283 or a 566 delta loop can cover several bands.

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

141.540

4

3.5

3

2.5

2

1

0.5

212.310

6

5.3

4.5

3.8

3

1.5

0.8

283.080

8X

7X

6X

5X

4X

2X

1X

353.850

10

8.8

7.5

6.4

5

2.5

1.3

424.620

12

10.6

9

7.6

6

3

1.6

495.390

14

12.3

10.5

8.9

7

3.5

1.8

566.160

16X

14X

12X

10X

8X

4X

2X

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of daverickmers@...
Sent: Monday, April 28, 2014 9:21 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Re: Loop antenna

My limited experience with full size horizontal loops fed with a 4:1 balun has shown me no resonance peaks (VSWR is around 1.5:1 to 2:1 from about half the resonant frequency through HF.) I only receive on the loops. YMMV 73 de dave/kd6il

32214. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:28:12 UTC
From: Timothy-Allen Albertson
Topic: 31890 Message: 32214

We dont need to ask if your Elmer taught you manners.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Apr 28, 2014 at 1:35 PM, Mike P. <ureii@...> wrote:

>
>
>
>
> Did your Elmer teach you English as well? It doesnt look like it.
>
> On Thursday, April 24, 2014 9:05 AM, "jerrybosak@..." <
> jerrybosak@...> wrote:
>
>
> Jim,
>
> The General Class Amateur Radio License does not expect anyone to know
> anything.
> The license examination itself is nothing more then a primer.
> The questions on the test exposes the operator to a smorgasbord of topics
> and gives you a little exposure to those topics.
>
> The old hams that wrote the test uses this as a way to identify those that
> are unwilling to study and learn.
>
> The test itself is nothing more then memorization.
> A person that has a good memory can identify the questions and pair them
> up to the right answer and regurgitate the right answer just long enough to
> get the license.
>
> The antenna book shows you how to build a simple antenna.
> Lets take the G5RV for example.
> The G5RV is a very poor resonator.
> It's creator - Louis Varney took that design to the grave with him,
> because it bothered him so much that it didn't work especially well -
> anywhere except 20 meters.
>
> When the G5RV was designed, the transmitters used tubes and the matching
> networks were very robust..
> A Johnson Matchbox is a good example.
> Un-knowledgeable hams often times exclaimed that you could tune up
> everything from a bed bug to the London bridge as long as you used a piece
> of ladder line..

>
> It was the coaxial cable that caused all the problems for the hams that
> came along after the golden era of ham radio.
>
> The only thing the antenna book will teach you is how to layout and build
> a antenna.. The rated gain of the antenna and the lobe angle expected from
> the antenna at X height.
>
> The take off angle of your signals and the signals you wish to receive is
> very important.
>
> Everything pertaining to radio is all about Location, Location,
> Location....
>
> Being in the highest place gives you a great take off angle and offers you
> the most signal available, but also increases the noise level..
>
> Its not always advantageous to have the highest antenna or live in the
> highest elevations.
>
> NVIS can be a very good antenna if you do not want to work DX, and just
> want to listen locally - up to 500 miles - which is what most hams does
> anyways.
>
> My Elmer once said there are two kinds of antenna's, the kind that works
> and the kind that does not!
>
>
> ---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :
>
> I'm sure this is some kind of heresy but I just have terrible time
> understanding the ARRL Antenna Book. Can you guys suggest something
> different that I can read that will help me understand antennas? I know
> that I am supposed to have a complete understanding of the subject to have
> a General Class license but that just ain't the case.
>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>
>
>
>

32215. Re: [ham-antennas] 40 meter 1/2 wave

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:29:47 UTC
From: <rs1946@...>
Topic: 32207 Message: 32215

the

---In ham-antennas@yahoogroups.com, <w4bws1@...> wrote :

It is probably best to keep the ugly current balun in the line of coax. Hopefully it is close to the antenna. For 40 meters you should have about 20 feet of coax in the winding. The copper pipe should not affect the winding but I get the impression it is not at the feedpoint of the dipole where it should be.

Don W4BWS

--
Dr. Don W4BWS

32216. Re: [ham-antennas] 40 meter 1/2 wave

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:30:59 UTC
From: <rs1946@...>
Topic: 32207 Message: 32216

The ulgy balun is about 3 feet below the feed point.

32217. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:39:57 UTC
From: Walt Wilson
Topic: 31890 Message: 32217

When did this become forum to tear down the ARRL books and other publications? Lets keep some of this stuff to ourselves if it runs contrary to the majority of operators now on the air. The ARRL and all of it’s publications have been the driving force for Amateur Radio for far longer than most of us have been alive. To start trying to pick apart the manuals serves no purpose. Let’s please stay on topic and be civil in the discussion of antennas. We can agree to disagree on some aspects of antennas and how they operate without all the other.
KK4FAL

From: Timothy-Allen Albertson
Sent: Monday, April 28, 2014 3:28 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Antenna book

We dont need to ask if your Elmer taught you manners.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Apr 28, 2014 at 1:35 PM, Mike P. <ureii@...> wrote:

Did your Elmer teach you English as well? It doesnt look like it.

On Thursday, April 24, 2014 9:05 AM, "jerrybosak@..." <jerrybosak@...> wrote:

Jim,

The General Class Amateur Radio License does not expect anyone to know anything.
The license examination itself is nothing more then a primer.
The questions on the test exposes the operator to a smorgasbord of topics and gives you a little exposure to those topics.

The old hams that wrote the test uses this as a way to identify those that are unwilling to study and learn.

The test itself is nothing more then memorization.
A person that has a good memory can identify the questions and pair them up to the right answer and regurgitate the right answer just long enough to get the license.

The antenna book shows you how to build a simple antenna.
Lets take the G5RV for example.
The G5RV is a very poor resonator.
It's creator - Louis Varney took that design to the grave with him, because it bothered him so much that it didn't work especially well - anywhere except 20 meters.

When the G5RV was designed, the transmitters used tubes and the matching networks were very robust..
A Johnson Matchbox is a good example.

Un-knowledgeable hams often times exclaimed that you could tune up everything from a bed bug to the London bridge as long as you used a piece of ladder line..

It was the coaxial cable that caused all the problems for the hams that came along after the golden era of ham radio.

The only thing the antenna book will teach you is how to layout and build a antenna.. The rated gain of the antenna and the lobe angle expected from the antenna at X height.

The take off angle of your signals and the signals you wish to receive is very important.

Everything pertaining to radio is all about Location, Location, Location....

Being in the highest place gives you a great take off angle and offers you the most signal available, but also increases the noise level..

Its not always advantageous to have the highest antenna or live in the highest elevations.

NVIS can be a very good antenna if you do not want to work DX, and just want to listen locally - up to 500 miles - which is what most hams does anyways.

My Elmer once said there are two kinds of antenna's, the kind that works and the kind that does not!

---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :

I'm sure this is some kind of heresy but I just have terrible time understanding the ARRL Antenna Book. Can you guys suggest something different that I can read that will help me understand antennas? I know that I am supposed to have a complete understanding of the subject to have a General Class license but that just ain't the case.

Thanks,

Jim, K6JMG
--
Jim, K6JMG

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3920/7406 - Release Date: 04/28/14

32218. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 19:49:38 UTC
From: Timothy-Allen Albertson
Topic: 31890 Message: 32218

that is what i was suggesting in a back handed way

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Apr 28, 2014 at 2:39 PM, Walt Wilson <WWILSON@...> wrote:

>
>
> When did this become forum to tear down the ARRL books and other
> publications? Lets keep some of this stuff to ourselves if it runs contrary
> to the majority of operators now on the air. The ARRL and all of it's
> publications have been the driving force for Amateur Radio for far longer
> than most of us have been alive. To start trying to pick apart the manuals
> serves no purpose. Let's please stay on topic and be civil in the
> discussion of antennas. We can agree to disagree on some aspects of
> antennas and how they operate without all the other.
> KK4FAL
>
> *From:* Timothy-Allen Albertson <kd0oia@...>
> *Sent:* Monday, April 28, 2014 3:28 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Re: Antenna book
>
>
>
> We dont need to ask if your Elmer taught you manners.
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
> On Mon, Apr 28, 2014 at 1:35 PM, Mike P. <ureii@...> wrote:
>
>>
>>
>>
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>>
>> On Thursday, April 24, 2014 9:05 AM, "jerrybosak@..." <
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>>
>>
>> Jim,

>>
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>> The questions on the test exposes the operator to a smorgasbord of topics
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>> The old hams that wrote the test uses this as a way to identify those
>> that are unwilling to study and learn.
>>
>> The test itself is nothing more then memorization.
>> A person that has a good memory can identify the questions and pair them
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>> get the license.
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>> The antenna book shows you how to build a simple antenna.
>> Lets take the G5RV for example.
>> The G5RV is a very poor resonator.
>> It's creator - Louis Varney took that design to the grave with him,
>> because it bothered him so much that it didn't work especially well -
>> anywhere except 20 meters.
>>
>> When the G5RV was designed, the transmitters used tubes and the matching
>> networks were very robust..
>> A Johnson Matchbox is a good example.
>> Un-knowledgeable hams often times exclaimed that you could tune up
>> everything from a bed bug to the London bridge as long as you used a piece
>> of ladder line..
>>
>> It was the coaxial cable that caused all the problems for the hams that
>> came along after the golden era of ham radio.
>>
>> The only thing the antenna book will teach you is how to layout and build
>> a antenna.. The rated gain of the antenna and the lobe angle expected from
>> the antenna at X height.
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>> The take off angle of your signals and the signals you wish to receive is
>> very important.
>>
>> Everything pertaining to radio is all about Location, Location,
>> Location....
>>
>> Being in the highest place gives you a great take off angle and offers
>> you the most signal available, but also increases the noise level..
>>
>> Its not always advantageous to have the highest antenna or live in the
>> highest elevations.
>>
>> NVIS can be a very good antenna if you do not want to work DX, and just

>> want to listen locally - up to 500 miles - which is what most hams does
>> anyways.
>>
>> My Elmer once said there are two kinds of antenna's, the kind that works
>> and the kind that does not!
>>
>>
>> ---In ham-antennas@yahoogroups.com, <jim.geidl@...> wrote :
>>
>> I'm sure this is some kind of heresy but I just have terrible time
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>> different that I can read that will help me understand antennas? I know
>> that I am supposed to have a complete understanding of the subject to have
>> a General Class license but that just ain't the case.
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>> Thanks,
>>
>> Jim, K6JMG
>> --
>> Jim, K6JMG
>>
>>
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>
> No virus found in this message.
>
> Checked by AVG - www.avg.com
> Version: 2014.0.4570 / Virus Database: 3920/7406 - Release Date: 04/28/14
>
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>

32219. Re: [ham-antennas] Re: Antenna book

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 20:25:11 UTC
From: Alex Netherton
Topic: 31890 Message: 32219

Did your Elmer teach you to be rude and abusive to fellow Hams? Sure looks like it...
KC4BO
On Apr 28, 2014 2:35 PM, "Mike P." <ureii@...> wrote:

>
>
>
>
> Did your Elmer teach you English as well? It doesnt look like it.
>
> On Thursday, April 24, 2014 9:05 AM, "jerrybosak@..." <
> jerrybosak@...> wrote:
>
>
> Jim,
>
> The General Class Amateur Radio License does not expect anyone to know
> anything.
> The license examination itself is nothing more then a primer.
> The questions on the test exposes the operator to a smorgasbord of topics
> and gives you a little exposure to those topics.
>
> The old hams that wrote the test uses this as a way to identify those that
> are unwilling to study and learn.
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> The test itself is nothing more then memorization.
> A person that has a good memory can identify the questions and pair them
> up to the right answer and regurgitate the right answer just long enough to
> get the license.
>
> The antenna book shows you how to build a simple antenna.
> Lets take the G5RV for example.
> The G5RV is a very poor resonator.
> It's creator - Louis Varney took that design to the grave with him,
> because it bothered him so much that it didn't work especially well -
> anywhere except 20 meters.
>
> When the G5RV was designed, the transmitters used tubes and the matching
> networks were very robust..
> A Johnson Matchbox is a good example.
> Un-knowledgeable hams often times exclaimed that you could tune up
> everything from a bed bug to the London bridge as long as you used a piece
> of ladder line..
>

> It was the coaxial cable that caused all the problems for the hams that
> came along after the golden era of ham radio.
>
> The only thing the antenna book will teach you is how to layout and build
> a antenna.. The rated gain of the antenna and the lobe angle expected from
> the antenna at X height.
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> The take off angle of your signals and the signals you wish to receive is
> very important.
>
> Everything pertaining to radio is all about Location, Location,
> Location....
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> Being in the highest place gives you a great take off angle and offers you
> the most signal available, but also increases the noise level..
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> highest elevations.
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> want to listen locally - up to 500 miles - which is what most hams does
> anyways.
>
> My Elmer once said there are two kinds of antenna's, the kind that works
> and the kind that does not!
>
>
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>
> I'm sure this is some kind of heresy but I just have terrible time
> understanding the ARRL Antenna Book. Can you guys suggest something
> different that I can read that will help me understand antennas? I know
> that I am supposed to have a complete understanding of the subject to have
> a General Class license but that just ain't the case.
>
> Thanks,
>
> Jim, K6JMG
> --
> Jim, K6JMG
>
>
>
>

32220. RE: [ham-antennas] Loop Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 20:34:19 UTC
From: Richard Schmuke
Topic: 6496 Message: 32220

Joe, I have a W2AU balun and that is what got me into building my own, I checked it with a carbon resistor and it was so far off on the upper and lower bands that I started to make my own so I would have at least a good start with a low SWR and hopefully less loss.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Joe
Sent: Monday, April 28, 2014 10:21 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Loop Antennas

Here is an interesting question.

The 4 to 1 balun I do have, (commercial made one) OLD, ohh 5 years maybe? A W2AU made one. Now it is totally weathered, so there is no visible writing anymore.
Is there a way to tell if it is a current,, or a voltage one?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com> http://www.idle-tyme.com

On 4/28/2014 9:48 AM, soona4sail@... wrote:

Loop antennas, are my favorite antenna. I am lucky enough to have enough room to build large loops (in excess of 1000 ft) but even smaller loops (40 mtr and up) work very well.

Couple of points: To get the most out of your loop, and to make it into a multiband antenna, it should be fed with a balanced line. My feedline comes down to a 4 to 1 current balun, just outside the shack window, then

short piece of coax, for convenience, thru the window to a tuner. My Elmer tells me to use a CURRENT balun,and NOT a voltage balun. Voltage baluns, according to him, are a sure fire way to guarantee RF on the outside of any coax in the system.

It is also important to avoid multiples of frequency wavelengths on your feedline. Google "Feedline lengths to avoid"

Finally, here is a link (not me) to one of the best loop antenna construction sites on the internet I have found.

http://www.k5rcd.org/hor%20loop%20instruct.htm

Loop antennas, are simple, inexpensive, and work well. If you can, build your own open wire feedline, it is the best way to go. The twin leads, and open wire ladderlines, have their own set of issues, i.e. sometimes the wires breaks inside the insulation, and they are very

susceptible to tuning issues when wet, frosty, or covered in snow.

Good luck and good DX

Soonasail

[Non-text portions of this message have been removed]

32221. Re: [ham-antennas] 40 meter 1/2 wave

Yahoo group: ham-antennas (2014)
Date: 2014-04-28 20:46:01 UTC
From: Don Sanders
Topic: 32207 Message: 32221

Probably close enough since you antenna is so low.
Too bad the antenna has to be low. it would be better
at 30 or more feet high at center and then possibly
inverted vee with 120 or more degrees angle between legs.
In Florida I had no high trees so mine was like mentioned
using 2X4 mast for center. In Alabama had 80 foot pine trees
and the Carolina windom and inverted vee worked well.
Here in Ecuador no high trees but 30 to 40 foot bamboo poles
to hold the fan dipoles work well.

Don W4BWS

On Mon, Apr 28, 2014 at 2:30 PM, <rs1946@...> wrote:

>
>
> The ulgy balun is about 3 feet below the feed point.
>
>

--
Dr. Don W4BWS

32222. Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 00:49:10 UTC
From: <schwartzj22@...>
Topic: 32161 Message: 32222

My thanks to all,

You've got me thinking about loops instead of the end-fed wire. I found this link:
http://srgproperties.inetusanow.net/files_custom/9467_2192.pdf
http://srgproperties.inetusanow.net/files_custom/9467_2192.pdf

I'll probably put together a loop for 7 meters and will be about 142 feet. I will use it for 40 - 10M.

Rich, KD0ZZ - can you send me your response in email. It did not come through here in the correct format.

Tks,
Joel - N3GSE

32223. "New" Tower

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 01:09:26 UTC
From: <hamuneggs@...>
Topic: 32223 Message: 32223

Had the chance to pick up a 40' tower with base plate and top spire for $150, couldn't pass it up as I've always wanted a tower. Now the big question of the day, does anybody know where I can get plans to build a "robust" beam antenna? I'm afraid some of the "wire" structures other than dipole, probably won't stand up to the wind. We have had gusts up to 120 mph and sustained better than 70 mph at times. We live in the Wet Mountain Valley in Colorado. Great place most of the time, 9000', on top of a hill and no trees to worry about. And the best part no HOA!!!
73's Mike

32224. Re: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 01:16:03 UTC
From: Alex Netherton
Topic: 32161 Message: 32224

7 meters? what is that, MARS?

Alex

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Mon, Apr 28, 2014 at 8:49 PM, <schwartzj22@...> wrote:

>
>
> My thanks to all,
>
> You've got me thinking about loops instead of the end-fed wire. I found
> this link: http://srgproperties.inetusanow.net/files_custom/9467_2192.pdf
>
> I'll probably put together a loop for 7 meters and will be about 142 feet.
> I will use it for 40 - 10M.
>
> Rich, KD0ZZ - can you send me your response in email. It did not come
> through here in the correct format.
>
> Tks,
> Joel - N3GSE
>
>
>
>

32225. Re: Single conductor

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 04:03:15 UTC
From: <ve5uj@...>
Topic: 32118 Message: 32225

Thanks to everyone who commented on our proposal. The operator is aware of the potential for high receiving noise level in the city downtown area with a vertical antenna. I will add to this story after the project has been completed. 73 Gordon, VE5UJ

32226. Re: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 12:07:43 UTC
From: Chuck Schultz
Topic: 32161 Message: 32226

Joel , Is there something new on the bands or have you made a mistake
. I do not have 7 meter privilages with my Extra Class license. I do
have 7 mgz privilage & the dimensions you give will fit . Have fun
with that loop . I waited 30 years to play with a loop . My Loss !
Chuck Wq5B
On 4/28/2014 7:49 PM, schwartzj22@... wrote:
>
> My thanks to all,
>
>
> You've got me thinking about loops instead of the end-fed wire. I
> found this link:
> http://srgproperties.inetusanow.net/files_custom/9467_2192.pdf
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> I'll probably put together a loop for 7 meters and will be about 142
> feet. I will use it for 40 - 10M.
>
> Rich, KD0ZZ - can you send me your response in email. It did not come
> through here in the correct format.
>
> Tks,
> Joel - N3GSE
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32227. Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 14:39:24 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32227

Good morning group,

I am in the process of sourcing out some fiberglass support poles for an 80m loop I am considering putting up on my property. I would happily use trees if I had them, but I don't.

I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @ $119) poles but since I will be purchasing 4 of them, those two poles are a bit out of my price range. I have also looked at the Jackite 31' poles (~$60/ea) which are much closer to my price range but don't seem as robust as the other two. Have any of you had any experience with the Jackite poles? I see on eham that they get great reviews, but I don't see anyone using them for suspending an 80m loop.

Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

32228. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:47:41 UTC
From: Billy McFarland
Topic: 32227 Message: 32228

Geoff,

How high are you going. I have the 1 spiderbeam pole and it's a cracking pole but to be honest the 10m fishing poles have served me just as well.

73 Billy
GM0OBX
SKCC# 12202

32229. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:50:06 UTC
From: Joe - W7RKN
Topic: 32227 Message: 32229

"Cracking", as in GREAT!, or "cracking", as it is not holding up?

Joe - W7RKN

----- Original Message -----
From: Billy McFarland
Subject: RE: [ham-antennas] Fiberglass support mast/pole

Geoff,

How high are you going. I have the 1 spiderbeam pole and it's a cracking pole but to be honest the 10m fishing poles have served me just as well.

73 Billy
GM0OBX
SKCC# 12202

32230. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:54:32 UTC
From: Billy McFarland
Topic: 32227 Message: 32230

Sorry I'm on my phone and I have big stupid fingers crabby / fishing poles

73 Billy
GM0OBX
SKCC# 12202

32231. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:55:06 UTC
From: Billy McFarland
Topic: 32227 Message: 32231

Cracking as in brilliant sorry forgetting my local lingo there

73 Billy
GM0OBX
SKCC# 12202

32232. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:55:19 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32232

I suspect 'cracking' as in great. :)

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 8:50 AM, Joe - W7RKN <w7rkn.7@...> wrote:

>
>
> □
> "Cracking", as in GREAT!, or "cracking", as it is not holding up?
>
> Joe - W7RKN
>
>
>
> ----- Original Message -----
> *From:* Billy McFarland <gm0obx@...>
> *Subject:* RE: [ham-antennas] Fiberglass support mast/pole
>
> Geoff,
>
> How high are you going. I have the 1 spiderbeam pole and it's a cracking
> pole but to be honest the 10m fishing poles have served me just as well.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
>
>
>
>

32233. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:58:37 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32233

And to answer your question, Billy, 30 - 33' (9-10m) is what I'm hoping for.

What type of antenna are you supporting with the Crappie pole? What gauge wire are you using?

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 8:47 AM, Billy McFarland <gm0obx@...> wrote:

>
>
> Geoff,
>
> How high are you going. I have the 1 spiderbeam pole and it's a cracking
> pole but to be honest the 10m fishing poles have served me just as well.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> ----------
> * From: * Geoff NW7GM <geoff.nw7gm@...>;
> * To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> * Subject: * [ham-antennas] Fiberglass support mast/pole
> * Sent: * Tue, Apr 29, 2014 2:39:24 PM
>
>
>
> Good morning group,
>
> I am in the process of sourcing out some fiberglass support poles for an
> 80m loop I am considering putting up on my property. I would happily use
> trees if I had them, but I don't.
>
> I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @
> $119) poles but since I will be purchasing 4 of them, those two poles are a
> bit out of my price range. I have also looked at the Jackite 31' poles
> (~$60/ea) which are much closer to my price range but don't seem as robust
> as the other two. Have any of you had any experience with the Jackite
> poles? I see on eham that they get great reviews, but I don't see anyone
> using them for suspending an 80m loop.
>
> Do any of you have any other suggestions for support poles?
>

> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
>

32234. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 15:59:30 UTC
From: Jim Bennett
Topic: 32227 Message: 32234

Geoff,

I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.

I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.

73, Jim / W6JHB
Folsom, CA

On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:

>
> Good morning group,
>
> I am in the process of sourcing out some fiberglass support poles for an 80m loop I am considering putting up on my property. I would happily use trees if I had them, but I don't.
>
> I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @ $119) poles but since I will be purchasing 4 of them, those two poles are a bit out of my price range. I have also looked at the Jackite 31' poles (~$60/ea) which are much closer to my price range but don't seem as robust as the other two. Have any of you had any experience with the Jackite poles? I see on eham that they get great reviews, but I don't see anyone using them for suspending an 80m loop.
>
> Do any of you have any other suggestions for support poles?
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

32235. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 16:10:43 UTC
From: Billy McFarland
Topic: 32227 Message: 32235

I used a portable delta loop and for a vertical antenna. With a 10m pole and the top section removed I glued in an m4 but so that I could screw a clip into the end to hold a wire. I mainly use auto car wire. Which is 16 awg but I have used 14 awg with my portable loop. Yes they do bend but supported at the bottom enough and allow for the bending it should take your wire no problem. Murmur will not take a weight of the balun at the top but from 1m of the ground the balun if used could be placed there.

73 Billy
GM0OBX
SKCC# 12202

32236. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 16:28:37 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32236

Thanks Billy. I was planning on using 18ga wire, but I'm sure that 16ga would be sufficient as well since I will only be running 100w max. I'm not planning on using a balun as I have an SGC-239 that I will be using to feed either some window line (450ohm) or I'll just extend the wires of the loop a bit longer to create an open wire feed with some spacers I have. I haven't decided that aspect yet.

Do you have a particular brand of pole you're using?

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 9:10 AM, Billy McFarland <gm0obx@...> wrote:

>
>
> I used a portable delta loop and for a vertical antenna. With a 10m pole
> and the top section removed I glued in an m4 but so that I could screw a
> clip into the end to hold a wire. I mainly use auto car wire. Which is 16
> awg but I have used 14 awg with my portable loop. Yes they do bend but
> supported at the bottom enough and allow for the bending it should take
> your wire no problem. Murmur will not take a weight of the balun at the top
> but from 1m of the ground the balun if used could be placed there.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> ----------
> * From: * Geoff NW7GM <geoff.nw7gm@gmail.com>;
> * To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> * Subject: * Re: [ham-antennas] Fiberglass support mast/pole
> * Sent: * Tue, Apr 29, 2014 3:58:37 PM
>
>
>
> And to answer your question, Billy, 30 - 33' (9-10m) is what I'm hoping
> for.
>
> What type of antenna are you supporting with the Crappie pole? What gauge
> wire are you using?
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr

>
>
> On Tue, Apr 29, 2014 at 8:47 AM, Billy McFarland <gm0obx@...>wrote:
>
>>
>>
>> Geoff,
>>
>> How high are you going. I have the 1 spiderbeam pole and it's a cracking
>> pole but to be honest the 10m fishing poles have served me just as well.
>>
>> 73 Billy
>> GM0OBX
>> SKCC# 12202
>>
>> ----------
>> * From: * Geoff NW7GM <geoff.nw7gm@...>;
>> * To: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
>> * Subject: * [ham-antennas] Fiberglass support mast/pole
>> * Sent: * Tue, Apr 29, 2014 2:39:24 PM
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>> Good morning group,
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>> I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @
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>> poles? I see on eham that they get great reviews, but I don't see anyone
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>>
>> Do any of you have any other suggestions for support poles?
>>
>> Thanks,
>>
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>>
>
>

32237. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 17:08:29 UTC
From: James M. Geidl
Topic: 32227 Message: 32237

This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the set in any kind of a permanent way.

As Jim said, it makes a great tool.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Tuesday, April 29, 2014 9:00 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Fiberglass support mast/pole

Geoff,

I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.

I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.

73, Jim / W6JHB
Folsom, CA

On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:

Good morning group,

I am in the process of sourcing out some fiberglass support poles for an 80m loop I am considering putting up on my property. I would happily use trees

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I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @ $119) poles but since I will be purchasing 4 of them, those two poles are a bit out of my price range. I have also looked at the Jackite 31' poles (~$60/ea) which are much closer to my price range but don't seem as robust as the other two. Have any of you had any experience with the Jackite poles? I see on eham that they get great reviews, but I don't see anyone using them for suspending an 80m loop.

Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

32238. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 17:12:19 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32238

If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling would they have? As I said, I will be running 100w MAX. Most often though it will be less as I do quite a bit of digital work.

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@spinochio.com>wrote:

>
>
> This is almost exactly the same use I have for the Jackite, although, I
> am about ready to try it with some 27 guage braided wire I have to make a
> temporary long wire antenna to use with our motor home. I will put the
> Jackkite on the back of the RV and run the wire out a couple hundred feet
> to a tree or post or, maybe, another Jackite.. I can use some more of the
> wire to make a temporary counterpoise. I am going to put the wire on a
> fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY
> setup while in a RV park as I don't think the Jackkite will standup to
> having the set in any kind of a permanent way.
>
> As Jim said, it makes a great tool.
>
> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*
>
>
>
> ---
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *On Behalf Of *Jim Bennett
> *Sent:* Tuesday, April 29, 2014 9:00 AM
> *To:* ham-antennas@yahoogroups.com
>
> *Subject:* Re: [ham-antennas] Fiberglass support mast/pole
>
> Geoff,
>
> I have had a Jackite for about 3-1/2 years. It is a "tool" I could not
> live without. However, the top section is fairly flimsy, and I doubt it
> would be strong enough to keep any sort of 80 meter loop suspended without
> some serious bending, unless you are using some very thin wire, like #26
> AWG or thinner.
>
> I'd say that 99% of the time I use the Jackite for erecting / moving my

> wire antennas around in the trees on our property. I removed the top
> section and keep it in the garage. I then fashioned a small "hook" out of
> insulated #10 solid coper wire and duct-taped it to the top of what is now
> the top section. This hook is what I snag my wires with. The other 1% of my
> Jackite's use is in supporting a 40-6 meter portable end fed vertical when
> operating in the back yard or on camping trips.
>
> 73, Jim / W6JHB
> Folsom, CA
>
>
> On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:
>
>
>
> Good morning group,
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> bit out of my price range. I have also looked at the Jackite 31' poles
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> as the other two. Have any of you had any experience with the Jackite
> poles? I see on eham that they get great reviews, but I don't see anyone
> using them for suspending an 80m loop.
>
> Do any of you have any other suggestions for support poles?
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
>
>

32239. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 17:22:35 UTC
From: Billy McFarland
Topic: 32227 Message: 32239

I got mine from eBay around £23 per pole. These were another name made by Diawa. Haven't had a problem with them although some pole can go to £120 I don't see the point in paying a lot of expense if they are going to get damaged by hard winds or whatever it will happen with an expensive one as well. That's what I've certainly found

73 Billy
GM0OBX
SKCC# 12202

32240. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 17:24:25 UTC
From: Billy McFarland
Topic: 32227 Message: 32240

18awg will take 100w no problem that's what I would use

73 Billy
GM0OBX
SKCC# 12202

32241. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 17:30:11 UTC
From: Jim Bennett
Topic: 32227 Message: 32241

I have #26 AWG on my 88 foot long doublet and have been running up to 500 watts with no problem. I feed it with 450-ohm ladder line.

Jim / W6JHB

On Tuesday, Apr 29, 2014, at Tuesday, 10:12 AM, Geoff NW7GM wrote:

>
> If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling would they have? As I said, I will be running 100w MAX. Most often though it will be less as I do quite a bit of digital work.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
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>
> On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...> wrote:
>
>
> This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the set in any kind of a permanent way.
>
> As Jim said, it makes a great tool.
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
> Sent: Tuesday, April 29, 2014 9:00 AM
> To: ham-antennas@yahoogroups.com
>
> Subject: Re: [ham-antennas] Fiberglass support mast/pole
>
> Geoff,
>
> I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep

any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.
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> I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.
>
> 73, Jim / W6JHB
> Folsom, CA
>
>
> On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:
>
>>
>>
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>>
>> Do any of you have any other suggestions for support poles?
>>
>> Thanks,
>>
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>
>
>
>
>

32242. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 18:34:21 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32242

Good to know, thanks Jim.

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 10:30 AM, Jim Bennett <w6jhb@...> wrote:

>
>
> I have #26 AWG on my 88 foot long doublet and have been running up to 500
> watts with no problem. I feed it with 450-ohm ladder line.
>
> Jim / W6JHB
>
>
> On Tuesday, Apr 29, 2014, at Tuesday, 10:12 AM, Geoff NW7GM wrote:
>
>
>
> If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling
> would they have? As I said, I will be running 100w MAX. Most often though
> it will be less as I do quite a bit of digital work.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
> On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...>wrote:
>
>>
>>
>> This is almost exactly the same use I have for the Jackite, although, I
>> am about ready to try it with some 27 guage braided wire I have to make a
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>> James "Jim" M. Geidl, K6JMG

>> *D.B. Cooper, you have a message.*
>>
>>
>>
>> ----------
>> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> *On Behalf Of *Jim Bennett
>> *Sent:* Tuesday, April 29, 2014 9:00 AM
>> *To:* ham-antennas@yahoogroups.com
>>
>> *Subject:* Re: [ham-antennas] Fiberglass support mast/pole
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>> Geoff,
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>> poles? I see on eham that they get great reviews, but I don't see anyone
>> using them for suspending an 80m loop.
>>

>> Do any of you have any other suggestions for support poles?
>>
>> Thanks,
>>
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
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>>
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>

32243. AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:08:18 UTC
From: siegfried jackstien
Topic: 32227 Message: 32243

Military fibre glass tent poles ... stacked together and some added guy wires ... easy and cheap

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Dienstag, 29. April 2014 14:39
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Fiberglass support mast/pole
>
>
>
> Good morning group,
>
>
> I am in the process of sourcing out some fiberglass support poles for an
> 80m loop I am considering putting up on my property. I would happily use
> trees if I had them, but I don't.
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>
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> anyone using them for suspending an 80m loop.
>
>
> Do any of you have any other suggestions for support poles?
>
>
> Thanks,
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

32244. AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:10:22 UTC
From: siegfried jackstien
Topic: 32227 Message: 32244

Use al fence wire ... less weight and very strong

Can not be soldered (or not easy)?!? ... then use spreaders down to tuner
(as you already thought doing so)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Dienstag, 29. April 2014 16:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Fiberglass support mast/pole
>
>
>
> Thanks Billy. I was planning on using 18ga wire, but I'm sure that 16ga
> would be sufficient as well since I will only be running 100w max. I'm not
> planning on using a balun as I have an SGC-239 that I will be using to
> feed either some window line (450ohm) or I'll just extend the wires of the
> loop a bit longer to create an open wire feed with some spacers I have. I
> haven't decided that aspect yet.
>
>
> Do you have a particular brand of pole you're using?
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
> On Tue, Apr 29, 2014 at 9:10 AM, Billy McFarland <gm0obx@yahoo.co.uk>
> wrote:
>
>
>
>
>
>
>
> I used a portable delta loop and for a vertical antenna. With a 10m pole
> and the top section removed I glued in an m4 but so that I could screw a
> clip into the end to hold a wire. I mainly use auto car wire. Which is 16

> awg but I have used 14 awg with my portable loop. Yes they do bend but
> supported at the bottom enough and allow for the bending it should take
> your wire no problem. Murmur will not take a weight of the balun at the
> top but from 1m of the ground the balun if used could be placed there.
>
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> ---
>
> From: Geoff NW7GM <geoff.nw7gm@gmail.com>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
>
> Subject: Re: [ham-antennas] Fiberglass support mast/pole
> Sent: Tue, Apr 29, 2014 3:58:37 PM
>
>
>
>
> And to answer your question, Billy, 30 - 33' (9-10m) is what I'm hoping
> for.
>
>
> What type of antenna are you supporting with the Crappie pole? What gauge
> wire are you using?
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
> On Tue, Apr 29, 2014 at 8:47 AM, Billy McFarland <gm0obx@...>
> wrote:
>
>
>
>
>
>
>
> Geoff,
>
> How high are you going. I have the 1 spiderbeam pole and it's a cracking
> pole but to be honest the 10m fishing poles have served me just as well.
>
> 73 Billy
> GM0OBX

> SKCC# 12202
>
> ---
>
> From: Geoff NW7GM <geoff.nw7gm@...>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: [ham-antennas] Fiberglass support mast/pole
> Sent: Tue, Apr 29, 2014 2:39:24 PM
>
>
>
>
> Good morning group,
>
>
> I am in the process of sourcing out some fiberglass support poles for an
> 80m loop I am considering putting up on my property. I would happily use
> trees if I had them, but I don't.
>
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> I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @
> $119) poles but since I will be purchasing 4 of them, those two poles are
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> (~$60/ea) which are much closer to my price range but don't seem as
> robust as the other two. Have any of you had any experience with the
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> anyone using them for suspending an 80m loop.
>
>
> Do any of you have any other suggestions for support poles?
>
>
> Thanks,
>
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
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>

32245. RE: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:17:43 UTC
From: Billy McFarland
Topic: 32227 Message: 32245

Sigi nice idea. I have never used fence wire before.

73 Billy
GM0OBX
SKCC# 12202

32246. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:25:05 UTC
From: Richard Schmuke
Topic: 32227 Message: 32246

At 100 watts as long as the wind does not break it you are OK. 26 gage is not very strong in tensile strength for a long loop. Pulling on the wire to keep if from having too much sag on it will over load 26ga doing a loop. My antenna book says a 20ga wire should have a max load on the end of 5 lbs(20ga is as light as it goes). Looking at it from the other side of the fence 12 or 14ga will be too heavy for fishing pole supports. 26ga wire is only .016 diameter , 24ga is .020. ,22ga is .025, 20ga is .032 or twice the diameter of 26ga. Also use bare wire for less weight and wind load if you are going very light. What sizes do you have on hand??

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Geoff NW7GM
Sent: Tuesday, April 29, 2014 12:12 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Fiberglass support mast/pole

If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling would they have? As I said, I will be running 100w MAX. Most often though it will be less as I do quite a bit of digital work.

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...> wrote:

This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the set in any kind of a permanent way.

As Jim said, it makes a great tool.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Tuesday, April 29, 2014 9:00 AM
To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Fiberglass support mast/pole

Geoff,

I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.

I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.

73, Jim / W6JHB

Folsom, CA

On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:

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Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

32247. Re: [ham-antennas] RF power handling capability of small wire.

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:31:22 UTC
From: Kenneth G. Gordon
Topic: 32227 Message: 32247

On 29 Apr 2014 at 10:12, Geoff NW7GM wrote:

> If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling would
> they have?

I don't know the exact answer to your question. I am certain it would depend on many factors, the LEAST of which would be the amount of power you connect to it.

However, I can give you an interesting anecdotal report from my own experience.

Back in the 1960s, I attended College at Montana State College in Bozeman, Montana studying Math-Physics, and I lived in a three-story dormitory building with the other students.

One of the students, a ham radio op, and an electrical engineering student, had been given a WWII BC-610 transmitter which didn't work.

Output power of the BC-610 is rated at 300 watts on CW, although it can be easily loaded to more than that. The final amp tube is a 250TH which has a plate dissipation rating of 250 watts.

Although having an operating ham radio in the dorms was forbidden, we cajoled a janitor in taking this 400 lb rig up to the second floor dorm room of the owner in the freight elevator one night.

After some troubleshooting, which included clearing a dead short in the HV (2800 VDC) power supply during which we blew the main breaker for the entire dorm, we got it working very well.

Since antennas of any kind were likewise forbidden, for our antenna, we used #36 black enameled solid wire. We ran a piece of this stuff, exactly 66 feet long, from one dorm window to a window in an adjacent dorm, using small rods of polystyrene as insulators. From a distance of 5 feet one couldn't even see it against the sky even if you knew it was there.

I have forgotten what we used for a receiver, but over that semester, we worked a lot of DX on the 80, 40, and 20 meter CW bands with the setup.

The owner took the complete setup back to his home when the semester ended.

The only problem we had with the #36 black enameled wire antenna was when, one morning, we woke up early to find it coated almost 1 inch thick with frost, making it extremely visible. We simply snapped our end of it, letting it fall, then put it back up that night.

So, in our case at least, 300 watts to a 66' long end fed wire made of #36 black enameled wire worked very well.

YMMV ;-)

Ken W7EKB

32248. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 20:42:08 UTC
From: Richard Schmuke
Topic: 32227 Message: 32248

Jim,

just so I understand when you say braided do you mean litz wire or stranded? I have often wondered if litz would be worth the extra cost. It would make a nice portable setup when you put it away.

Rich, Kd0zz

On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...> wrote:

This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the set in any kind of a permanent way.

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To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Fiberglass support mast/pole

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Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

32249. Re: [ham-antennas] RF power handling capability of small wire.

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 21:10:09 UTC
From: james fisher
Topic: 32227 Message: 32249

I am using a OCFD made up of 22 gaqe stranded wire [7 strands] .

I have put out about 1000 watts [HL2200] on this antenna [80,40,20 meters, ladderline, antenna tuner] with no adverse effects noted . I get reasonable to good reports at 100 watts and good to very strong reports at 1000 watts .

Best in your project.
On Tuesday, April 29, 2014 2:31 PM, Kenneth G. Gordon <kgordon2006@...> wrote:

On 29 Apr 2014 at 10:12, Geoff NW7GM wrote:

> If I were to use 20, 22, 24 or even 26ga wire, what kind of power handling would
> they have?

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YMMV ;-)

Ken W7EKB

32250. AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 21:10:28 UTC
From: siegfried jackstien
Topic: 32227 Message: 32250

We used al fence wire several times on field-day cause it is SOOOO light-weight (and also cheap!)

On a warm and sunny day it is nearly bending upwards (just kidding a bit)

Even on VERY long runs it does not need much tension to have a low sag

And you can pull very hard on it when needed

500 feet or more with just two trees at the ends?? No problem!

Most of installations we made there the insulators and support ropes made more weight as the wire itself ...

Connecting a dipole or loop to ladderline?!? We used stainless steel hardware (screws, nuts and whasers) .... and cause it was just for a few days there was no problem caused from the dissimilar metals

Hope that helps a bit

Dg9bfc

Sigi

Ps there IS special flux and solder available for al ... so even that could be solved when needed

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Billy McFarland
> Gesendet: Dienstag, 29. April 2014 20:18
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] Fiberglass support mast/pole
>
>
>
> Sigi nice idea. I have never used fence wire before.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> _____
>
> From: siegfried jackstien <siegfried.jackstien@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: AW: [ham-antennas] Fiberglass support mast/pole
> Sent: Tue, Apr 29, 2014 8:10:22 PM

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> Can not be soldered (or not easy)?!? ... then use spreaders down to tuner
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> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Dienstag, 29. April 2014 16:29
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Fiberglass support mast/pole
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> > Geoff, NW7GM
> > Seattle, WA
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> > GM0OBX
> > SKCC# 12202
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> > _____
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> > From: Geoff NW7GM <geoff.nw7gm@...>;
> > To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> >
> > Subject: Re: [ham-antennas] Fiberglass support mast/pole
> > Sent: Tue, Apr 29, 2014 3:58:37 PM
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> > Subject: [ham-antennas] Fiberglass support mast/pole
> > Sent: Tue, Apr 29, 2014 2:39:24 PM
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32251. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 21:48:10 UTC
From: James M. Geidl
Topic: 32227 Message: 32251

Rich,

This isn't Litz wire, it is braided wire that I am assuming was used for jewelry. It looks like it is about 7 strands. I stumbled across it at a garage sale. BTW, it is clear plastic coated. I have not tested it for strength but am betting it will carry it's own weight out to 200 feet or more with little effort.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Richard Schmuke
Sent: Tuesday, April 29, 2014 1:42 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Fiberglass support mast/pole

Jim,

just so I understand when you say braided do you mean litz wire or stranded? I have often wondered if litz would be worth the extra cost. It would make a nice portable setup when you put it away.

Rich, Kd0zz

On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...>
wrote:

This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the set in any kind of a permanent way.

As Jim said, it makes a great tool.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett

Sent: Tuesday, April 29, 2014 9:00 AM
To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Fiberglass support mast/pole

Geoff,

I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.

I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.

73, Jim / W6JHB

Folsom, CA

On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:

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Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

32252. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 21:53:53 UTC
From: James M. Geidl
Topic: 32227 Message: 32252

Rich,

A side note, this stuff won't solder and it is not magnetic. Anything I do with it is going to have to be by crimping.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

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List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

32253. Re: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 21:51:28 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32253

What would be the shortest run suggested for transitioning from the loop to the feeder? In my application (depending on where I place the tuner) it could be either 8' or 25'.

Geoff, NW7GM
Seattle, WA
CN87tr

On Tue, Apr 29, 2014 at 1:10 PM, siegfried jackstien <
siegfried.jackstien@...> wrote:

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> Use al fence wire ... less weight and very strong
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> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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> > An: ham-antennas@yahoogroups.com
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32254. AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 22:34:55 UTC
From: siegfried jackstien
Topic: 32227 Message: 32254

It does not matter much ... but could influence tuning on some of the higher bands (if used multiband) ...

Make it longer and try it out would be my best suggestion

I would need some more details (length of loop, bands used, length of feeding-line)... and then how you wanna feed that (used tuner ... added balun or not) ...

But my overall thinking is ... build it and you will love it :-)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Dienstag, 29. April 2014 21:51
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Fiberglass support mast/pole
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32255. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 23:08:01 UTC
From: Richard Schmuke
Topic: 32227 Message: 32255

Wont solder, braided, non magnetic , 27 gage ?? Sounds like stainless from here. FYI, a side note from the Kd0zz work shop, I solder stainless steel all the time with Oatey flux , #30106, not for circuit boards but fine for antenna work. The best is Ruby brand but it is 16 oz and Oatey is 4 oz. Just clean the joint after soldering.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of James M. Geidl
Sent: Tuesday, April 29, 2014 4:54 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Fiberglass support mast/pole

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Subject: RE: [ham-antennas] Fiberglass support mast/pole

Jim,

just so I understand when you say braided do you mean litz wire or stranded? I have often wondered if litz would be worth the extra cost. It would make a nice portable setup when you put it away.

Rich, Kd0zz

On Tue, Apr 29, 2014 at 10:08 AM, James M. Geidl <jim.geidl@...>
wrote:

This is almost exactly the same use I have for the Jackite, although, I am about ready to try it with some 27 guage braided wire I have to make a temporary long wire antenna to use with our motor home. I will put the Jackkite on the back of the RV and run the wire out a couple hundred feet to a tree or post or, maybe, another Jackite.. I can use some more of the wire to make a temporary counterpoise. I am going to put the wire on a fishing reel for easy of deplayment and retrrieval. This is a TEMPORARY setup while in a RV park as I don't think the Jackkite will standup to having the

set in any kind of a permanent way.

As Jim said, it makes a great tool.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Tuesday, April 29, 2014 9:00 AM
To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Fiberglass support mast/pole

Geoff,

I have had a Jackite for about 3-1/2 years. It is a "tool" I could not live without. However, the top section is fairly flimsy, and I doubt it would be strong enough to keep any sort of 80 meter loop suspended without some serious bending, unless you are using some very thin wire, like #26 AWG or thinner.

I'd say that 99% of the time I use the Jackite for erecting / moving my wire antennas around in the trees on our property. I removed the top section and keep it in the garage. I then fashioned a small "hook" out of insulated #10 solid coper wire and duct-taped it to the top of what is now the top section. This hook is what I snag my wires with. The other 1% of my Jackite's use is in supporting a 40-6 meter portable end fed vertical when operating in the back yard or on camping trips.

73, Jim / W6JHB

Folsom, CA

On Tuesday, Apr 29, 2014, at Tuesday, 7:39 AM, Geoff NW7GM wrote:

Good morning group,

I am in the process of sourcing out some fiberglass support poles for an 80m loop I am considering putting up on my property. I would happily use trees if I had them, but I don't.

I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam (40' @ $119) poles but since I will be purchasing 4 of them, those two poles are a bit out of my price range. I have also looked at the Jackite 31' poles (~$60/ea) which are much closer to my price range but don't seem as robust as the other two. Have any of you had any experience with the Jackite poles? I see on eham that they get great reviews, but I don't see anyone using them for suspending an 80m loop.

Do any of you have any other suggestions for support poles?

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
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for suspension. Moderators WILL have final say in these matters.
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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com
Yahoo Groups Links

[Non-text portions of this message have been removed]

32256. MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-29 23:23:04 UTC
From: Richard Solomon
Topic: 32256 Message: 32256

I have one of the 50' MGS Fiber-Glass poles and wonder how folks anchor it at ground level.

I thought just a piece of pipe beat into the ground might do. there will be sufficient guy ropes to hold it up, I just don't want the bottom moving around.

Anything more sophisticated one might suggest ??

Thanks, Dick, W1KSZ

32257. AW: [ham-antennas] MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 00:03:16 UTC
From: siegfried jackstien
Topic: 32256 Message: 32257

For our field-day pole (aluminium push up pole) we have a thicker piece of wood with a hole inside

Can be "nailed" to ground with 2 thicker "staples"

Easy, cheap ... and works well

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Richard Solomon
> Gesendet: Dienstag, 29. April 2014 23:23
> An: Ham Antennas
> Betreff: [ham-antennas] MGS Push-Up Pole Ground Mount
>
>
>
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>
> anchor it at ground level.
>
>
> I thought just a piece of pipe beat into the ground might do. there will
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> be sufficient guy ropes to hold it up, I just don't want the bottom moving
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> around.
>
>
> Anything more sophisticated one might suggest ??
>
>
> Thanks, Dick, W1KSZ
>
>
>

32258. Re: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 00:42:33 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32258

The total wire length of the horizontal loop will be in the order of 286 feet. I'll be using RG8 to my SGC-239 autotuner that will be connected directly at the feed of the antenna - no balun. I'm thinking this will be an 80 - 10m (maybe even 6m?) loop.

I'm thinking the wire choice will be somewhere between 20-24ga but I haven't made a definite choice yet.

Geoff, NW7GM
Seattle, WA
CN87tr
On Apr 29, 2014 3:37 PM, "siegfried jackstien" <
siegfried.jackstien@...> wrote:

>
>
> It does not matter much ... but could influence tuning on some of the
> higher
> bands (if used multiband) ...
>
> Make it longer and try it out would be my best suggestion
>
> I would need some more details (length of loop, bands used, length of
> feeding-line)... and then how you wanna feed that (used tuner ... added
> balun or not) ...
>
> But my overall thinking is ... build it and you will love it :-)
>
> Dg9bfc
>
> sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Dienstag, 29. April 2014 21:51
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Fiberglass support mast/pole
> >
> >
> >
> > What would be the shortest run suggested for transitioning from the loop
> > to the feeder? In my application (depending on where I place the tuner)
> it
> > could be either 8' or 25'.

> >
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> >
> > On Tue, Apr 29, 2014 at 1:10 PM, siegfried jackstien
> > <siegfried.jackstien@...> wrote:
> >
> >
> >
> >
> >
> > Use al fence wire ... less weight and very strong
> >
> > Can not be soldered (or not easy)?!? ... then use spreaders down to
> > tuner
> > (as you already thought doing so)
> >
> >
> >
> > Dg9bfc
> >
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com [mailto:ham-
> > antennas@yahoogroups.com] Im
> > > Auftrag von Geoff NW7GM
> >
> > > Gesendet: Dienstag, 29. April 2014 16:29
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: Re: [ham-antennas] Fiberglass support mast/pole
> >
> > >
> > >
> > >
> > > Thanks Billy. I was planning on using 18ga wire, but I'm sure that
> > 16ga
> > > would be sufficient as well since I will only be running 100w max.
> > I'm not
> > > planning on using a balun as I have an SGC-239 that I will be
> > using to
> > > feed either some window line (450ohm) or I'll just extend the
> > wires of the
> > > loop a bit longer to create an open wire feed with some spacers I
> > have. I
> > > haven't decided that aspect yet.
> > >

> > >
> > > Do you have a particular brand of pole you're using?
> > >
> > >
> > > Geoff, NW7GM
> > > Seattle, WA
> > > CN87tr
> > >
> > >
> > > On Tue, Apr 29, 2014 at 9:10 AM, Billy McFarland
> > <gm0obx@...>
> > > wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > I used a portable delta loop and for a vertical antenna. With a
> > 10m pole
> > > and the top section removed I glued in an m4 but so that I could
> > screw a
> > > clip into the end to hold a wire. I mainly use auto car wire.
> > Which is 16
> > > awg but I have used 14 awg with my portable loop. Yes they do bend
> > but
> > > supported at the bottom enough and allow for the bending it should
> > take
> > > your wire no problem. Murmur will not take a weight of the balun
> > at the
> > > top but from 1m of the ground the balun if used could be placed
> > there.
> > >
> > >
> > > 73 Billy
> > > GM0OBX
> > > SKCC# 12202
> > >
> > > _____
> > >
> > > From: Geoff NW7GM <geoff.nw7gm@...>;
> > > To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> > >
> > > Subject: Re: [ham-antennas] Fiberglass support mast/pole
> > > Sent: Tue, Apr 29, 2014 3:58:37 PM
> > >
> > >
> > >
> > >

> > > And to answer your question, Billy, 30 - 33' (9-10m) is what I'm
> > hoping
> > > for.
> > >
> > >
> > > What type of antenna are you supporting with the Crappie pole?
> > What gauge
> > > wire are you using?
> > >
> > >
> > > Geoff, NW7GM
> > > Seattle, WA
> > > CN87tr
> > >
> > >
> > > On Tue, Apr 29, 2014 at 8:47 AM, Billy McFarland
> > <gm0obx@...>
> > > wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > Geoff,
> > >
> > > How high are you going. I have the 1 spiderbeam pole and it's a
> > cracking
> > > pole but to be honest the 10m fishing poles have served me just as
> > well.
> > >
> > > 73 Billy
> > > GM0OBX
> > > SKCC# 12202
> > >
> > > _____
> > >
> > > From: Geoff NW7GM <geoff.nw7gm@gmail.com>;
> > > To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> > > Subject: [ham-antennas] Fiberglass support mast/pole
> > > Sent: Tue, Apr 29, 2014 2:39:24 PM
> > >
> > >
> > >
> > >
> > > Good morning group,
> > >
> > >
> > > I am in the process of sourcing out some fiberglass support poles

> > for an
> > > 80m loop I am considering putting up on my property. I would
> > happily use
> > > trees if I had them, but I don't.
> > >
> > >
> > > I have looked at both the Max Gain (32' @ $119.95) and Spiderbeam
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> > > $119) poles but since I will be purchasing 4 of them, those two
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> > >
> > >
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> > >
> > > Thanks,
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> > >
> > > Geoff, NW7GM
> > > Seattle, WA
> > > CN87tr
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>

32259. RE: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 00:43:42 UTC
From: James "Jim" M. Geidl
Topic: 32227 Message: 32259

Im going to look into that stuff.

Jim, K6JMG

On April 29, 2014 4:08:01 PM PDT, Richard Schmuke <rdj@...> wrote:
>Wont solder, braided, non magnetic , 27 gage ?? Sounds like stainless
>from
>here. FYI, a side note from the Kd0zz work shop, I solder stainless
>steel
>all the time with Oatey flux , #30106, not for circuit boards but fine
>for
>antenna work. The best is Ruby brand but it is 16 oz and Oatey is 4 oz.
>Just
>clean the joint after soldering.
>
>
>
>Rich, kd0zz
>
>
>
>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On
>Behalf Of James M. Geidl
>Sent: Tuesday, April 29, 2014 4:54 PM
>To: ham-antennas@yahoogroups.com
>Subject: RE: [ham-antennas] Fiberglass support mast/pole
>
>
>
>
>
>Rich,
>
>A side note, this stuff won't solder and it is not magnetic. Anything I
>do
>with it is going to have to be by crimping.
>
>James "Jim" M. Geidl, K6JMG
>D.B. Cooper, you have a message.
>
>
>-----Original Message-----
>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On

>Behalf Of Richard Schmuke
>Sent: Tuesday, April 29, 2014 1:42 PM
>To: ham-antennas@yahoogroups.com
>Subject: RE: [ham-antennas] Fiberglass support mast/pole
>
>Jim,
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>just so I understand when you say braided do you mean litz wire or
>stranded?
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>Jackkite on the back of the RV and run the wire out a couple hundred
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>set in any kind of a permanent way.
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>As Jim said, it makes a great tool.
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>James "Jim" M. Geidl, K6JMG
>D.B. Cooper, you have a message.
>
>
>_____
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>From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com] On
>Behalf Of Jim Bennett
>Sent: Tuesday, April 29, 2014 9:00 AM
>To: ham-antennas@yahoogroups.com
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>Subject: Re: [ham-antennas] Fiberglass support mast/pole
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>Geoff,
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>I have had a Jackite for about 3-1/2 years. It is a "tool" I could not
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>Jackite's use is in supporting a 40-6 meter portable end fed vertical
>when
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>Folsom, CA
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>Geoff, NW7GM
>Seattle, WA
>CN87tr
>
>[Non-text portions of this message have been removed]
>
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>[Non-text portions of this message have been removed]
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>Yahoo Groups Links
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>
>

James "Jim" M. Geidl

Sent from my pocket.

32260. Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 02:13:09 UTC
From: <w6jhb@...>
Topic: 32256 Message: 32260

Interesting to get this email today - I just built a bottom support system this afternoon, although my fiberglass poles are from DX Engineering. I dug a 12 inch hole in the ground, placed a 12 inch long1-1/2 inch pipe in it and filled it with concrete. One bag did the trick. Into that pipe I slid a 24 inch long 1-1/4 inch pipe, and my bottom fiberglass pole sits on it / over it. I did not go up 50 feet. More like 25, but my pole will be holding a 12 meter Moxon beam and I didn't need the height or to annoy the neighbors.

Jim / W6JHB

32261. Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 10:00:24 UTC
From: <p_chap@...>
Topic: 32227 Message: 32261

Mixed reviews on eham

http://www.eham.net/reviews/detail/6842 http://www.eham.net/reviews/detail/6842

32262. AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 10:22:39 UTC
From: siegfried jackstien
Topic: 32227 Message: 32262

So you wanna feed a loop (balanced amtenna) ... with the scg tuner (unbalanced tuner) ... ?!?

I would then let the tuner "float" (rf-wise) ... means I would add a balun (choke) on the input side of the tuner ... and also a choke in the power lines for the tuner ... that takes care of that only the antenna radiates (no common mode current on the coax shield or power lines)...

You can try it out without a balun ... but I would recommend to use one

You also can add a balun on the output side of the tuner ... (like it is done in dozens of manual tuners)

In my yaesu fc1000 autotuner (nearly the same thing as your sgc tuner) I had some "spare" room ... and I added a 1:4 there

Now if needed I can connect the output (or the tuner) to the balun and then connect the (balanced) antenna there ... or use the tuner without balun (longwire or whip antenna)

Try out what works best

If the tuner does not find a match on a given band ... then change the setup and try again ...

Sure you will find one solution that works on all bands (10-80)

If you can add a bigger number of radials below the antenna you also can connect both ladderline wires together and use the ladderline and the loop as a "vertical with a big topload" ... (you sure know what I mean)

For that you had to place the tuner at the ground ... otherwise you can mount it on a pole in one of the loop-corners (I would use the first setup! on the ground) ...

Cause ladderline has nearly no loss you can play around with lengths of loop and ladderline till you find a setup that works on all bands (except topband ... there an 80m loop does not work)

Good luck

Dg9bfc

Sigi

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Mittwoch, 30. April 2014 00:43
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Fiberglass support mast/pole
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> The total wire length of the horizontal loop will be in the order of 286
> feet. I'll be using RG8 to my SGC-239 autotuner that will be connected
> directly at the feed of the antenna - no balun. I'm thinking this will be
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>
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> > Gesendet: Dienstag, 29. April 2014 21:51
> > An: ham-antennas@yahoogroups.com
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> > > CN87tr
> > >
> > >
> > > On Tue, Apr 29, 2014 at 9:10 AM, Billy McFarland
> > <gm0obx@...>
> > > wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > I used a portable delta loop and for a vertical antenna. With a
> > 10m pole
> > > and the top section removed I glued in an m4 but so that I could
> > screw a
> > > clip into the end to hold a wire. I mainly use auto car wire.
> > Which is 16
> > > awg but I have used 14 awg with my portable loop. Yes they do
> bend
> > but
> > > supported at the bottom enough and allow for the bending it
> should
> > take
> > > your wire no problem. Murmur will not take a weight of the balun
> > at the
> > > top but from 1m of the ground the balun if used could be placed

> > there.
> > >
> > >
> > > 73 Billy
> > > GM0OBX
> > > SKCC# 12202
> > >
> > > _____
> > >
> > > From: Geoff NW7GM <geoff.nw7gm@...>;
> > > To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> > >
> > > Subject: Re: [ham-antennas] Fiberglass support mast/pole
> > > Sent: Tue, Apr 29, 2014 3:58:37 PM
> > >
> > >
> > >
> > >
> > > And to answer your question, Billy, 30 - 33' (9-10m) is what I'm
> > hoping
> > > for.
> > >
> > >
> > > What type of antenna are you supporting with the Crappie pole?
> > What gauge
> > > wire are you using?
> > >
> > >
> > > Geoff, NW7GM
> > > Seattle, WA
> > > CN87tr
> > >
> > >
> > > On Tue, Apr 29, 2014 at 8:47 AM, Billy McFarland
> > <gm0obx@...>
> > > wrote:
> > >
> > >
> > >
> > >
> > >
> > >
> > >
> > > Geoff,
> > >
> > > How high are you going. I have the 1 spiderbeam pole and it's a
> > cracking
> > > pole but to be honest the 10m fishing poles have served me just
> as
> > well.

> > >
> > > 73 Billy
> > > GM0OBX
> > > SKCC# 12202
> > >
> > > _____
> > >
> > > From: Geoff NW7GM <geoff.nw7gm@...>;
> > > To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> > > Subject: [ham-antennas] Fiberglass support mast/pole
> > > Sent: Tue, Apr 29, 2014 2:39:24 PM
> > >
> > >
> > >
> > >
> > > Good morning group,
> > >
> > >
> > > I am in the process of sourcing out some fiberglass support
> poles
> > for an
> > > 80m loop I am considering putting up on my property. I would
> > happily use
> > > trees if I had them, but I don't.
> > >
> > >
> > > I have looked at both the Max Gain (32' @ $119.95) and
> Spiderbeam
> > (40' @
> > > $119) poles but since I will be purchasing 4 of them, those two
> > poles are
> > > a bit out of my price range. I have also looked at the Jackite
> 31'
> > poles
> > > (~$60/ea) which are much closer to my price range but don't
> seem
> > as
> > > robust as the other two. Have any of you had any experience with
> > the
> > > Jackite poles? I see on eham that they get great reviews, but I
> > don't see
> > > anyone using them for suspending an 80m loop.
> > >
> > >
> > > Do any of you have any other suggestions for support poles?
> > >
> > >
> > > Thanks,
> > >
> > >

> > > Geoff, NW7GM
> > > Seattle, WA
> > > CN87tr
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32263. Re: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 13:51:29 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32263

On Apr 30, 2014 3:24 AM, "siegfried jackstien" <
siegfried.jackstien@...> wrote:
>
>
>
> So you wanna feed a loop (balanced amtenna) ... with the scg tuner
> (unbalanced tuner) ... ?!?

AFAIK the SGC is a balanced tuner. The output is two screw terminals, not an so-239. It is very much like the SG-237 or SG-230, just without the waterproof case (I have mine in a CATV demarc box).

The choke @ the input if the tuner is a good idea and I was planning on that part already (on both rf input and control line).

I'll think about your other suggestions as well.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

32264. AW: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 15:29:51 UTC
From: siegfried jackstien
Topic: 32227 Message: 32264

A balanced tuner just cause it has 2 screw terminals?!? That is a VERY ROUGH GUESS :-)

Does the tuner has a balun on the input??

Are all tuning parts (coils and caps) TWICE in the tuner (real balanced)??

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Geoff NW7GM
> Gesendet: Mittwoch, 30. April 2014 13:51
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Fiberglass support mast/pole
>
>
>
> On Apr 30, 2014 3:24 AM, "siegfried jackstien"
> <siegfried.jackstien@freenet.de> wrote:
> >
> >
> >
> > So you wanna feed a loop (balanced amtenna) ... with the scg tuner
> > (unbalanced tuner) ... ?!?
>
> AFAIK the SGC is a balanced tuner. The output is two screw terminals, not
> an so-239. It is very much like the SG-237 or SG-230, just without the
> waterproof case (I have mine in a CATV demarc box).
>
> The choke @ the input if the tuner is a good idea and I was planning on
> that part already (on both rf input and control line).
>
> I'll think about your other suggestions as well.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

32265. RE: AW: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 15:54:47 UTC
From: Billy McFarland
Topic: 32227 Message: 32265

I think that tuner is an actual proper balanced tuner rather than using a balun inside it.

73 Billy
GM0OBX
SKCC# 12202

32266. Re: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 16:33:19 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32266

You're right, it is just a guess - one that is based on the manual as there are several 'suggested antenna configurations'. Included are loops and dipoles (fed with balanced line). Here is the manual for the tuner:

http://sgcworld.com/Publications/Manuals/239man.pdf

There's a schematic in there so you can see what is included in the tuning parts.

Geoff, NW7GM
Seattle, WA
CN87tr

On Wed, Apr 30, 2014 at 8:29 AM, siegfried jackstien <
siegfried.jackstien@...> wrote:

>
>
> A balanced tuner just cause it has 2 screw terminals?!? That is a VERY
> ROUGH
> GUESS :-)
>
> Does the tuner has a balun on the input??
>
> Are all tuning parts (coils and caps) TWICE in the tuner (real balanced)??
>
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Mittwoch, 30. April 2014 13:51
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: AW: AW: [ham-antennas] Fiberglass support mast/pole
>
> >
> >
> >
> > On Apr 30, 2014 3:24 AM, "siegfried jackstien"
> > <siegfried.jackstien@freenet.de> wrote:
> > >
> > >

> > >
> > > So you wanna feed a loop (balanced amtenna) ... with the scg tuner
> > > (unbalanced tuner) ... ?!?
> >
> > AFAIK the SGC is a balanced tuner. The output is two screw terminals, not
> > an so-239. It is very much like the SG-237 or SG-230, just without the
> > waterproof case (I have mine in a CATV demarc box).
> >
> > The choke @ the input if the tuner is a good idea and I was planning on
> > that part already (on both rf input and control line).
> >
> > I'll think about your other suggestions as well.
> >
> > Thanks,
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> >
>
>
>

32267. Re: AW: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 16:34:05 UTC
From: Geoff NW7GM
Topic: 32227 Message: 32267

It has a Pi/L network so I 'think' you are right.

Geoff, NW7GM
Seattle, WA
CN87tr

On Wed, Apr 30, 2014 at 8:54 AM, Billy McFarland <gm0obx@....uk> wrote:

>
>
> I think that tuner is an actual proper balanced tuner rather than using a
> balun inside it.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> ----------
> * From: * siegfried jackstien <siegfried.jackstien@...>;
> * To: * <ham-antennas@yahoogroups.com>;
> * Subject: * AW: AW: AW: [ham-antennas] Fiberglass support mast/pole
> * Sent: * Wed, Apr 30, 2014 3:29:51 PM
>
>
>
> A balanced tuner just cause it has 2 screw terminals?!? That is a VERY
> ROUGH
> GUESS :-)
>
> Does the tuner has a balun on the input??
>
> Are all tuning parts (coils and caps) TWICE in the tuner (real balanced)??
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Im
> > Auftrag von Geoff NW7GM
> > Gesendet: Mittwoch, 30. April 2014 13:51
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: AW: AW: [ham-antennas] Fiberglass support mast/pole
> >
> >

> >
> > On Apr 30, 2014 3:24 AM, "siegfried jackstien"
> > <siegfried.jackstien@freenet.de> wrote:
> > >
> > >
> > >
> > > So you wanna feed a loop (balanced amtenna) ... with the scg tuner
> > > (unbalanced tuner) ... ?!?
> >
> > AFAIK the SGC is a balanced tuner. The output is two screw terminals, not
> > an so-239. It is very much like the SG-237 or SG-230, just without the
> > waterproof case (I have mine in a CATV demarc box).
> >
> > The choke @ the input if the tuner is a good idea and I was planning on
> > that part already (on both rf input and control line).
> >
> > I'll think about your other suggestions as well.
> >
> > Thanks,
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> >
>
>
>

32268. Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 16:54:47 UTC
From: <schwartzj22@...>
Topic: 32161 Message: 32268

Chuck, Whatever info you have on your loop, please send to me. If you have a 4NEC2 model, by all means send that to me.

In fact if anyone has a 4NEC2 model for a loop, please send to me.

OH - I meant to say 40M - 7 MHz,. sorry.

Tks,
Joel - N3GSE

32269. Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 17:34:43 UTC
From: <schwartzj22@...>
Topic: 32161 Message: 32269

Alex - 40M - 7MHz, my error

32270. Re: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 17:41:28 UTC
From: KA4INM
Topic: 32227 Message: 32270

On 04/30/14 12:33, Geoff NW7GM wrote:

> You're right, it is just a guess - one that is based on the manual as
> there are several 'suggested antenna configurations'. Included are loops
> and dipoles (fed with balanced line). Here is the manual for the tuner:

> http://sgcworld.com/Publications/Manuals/239man.pdf

> There's a schematic in there so you can see what is included in the
> tuning parts.

Kind-a-scary, says 80 Watts in one place and 200 Watts in another.
The component layout is marked in two places "RF HOT" and "RF ground"
which screams not a balanced tuner. The RF path through it is single sided.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32271. Re: [ham-antennas] Re: End-Fed random wire antenna

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 18:03:13 UTC
From: Jerry
Topic: 32161 Message: 32271

Test
On 4/30/2014 1:34 PM, schwartzj22@... wrote:
>
> Alex - 40M - 7MHz, my error
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32272. Re: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 18:29:06 UTC
From: Dale Miller
Topic: 32227 Message: 32272

On 4/30/2014 11:33 AM, Geoff NW7GM wrote:
>
>
> You're right, it is just a guess - one that is based on the manual as
> there are several 'suggested antenna configurations'. Included are
> loops and dipoles (fed with balanced line). Here is the manual for the
> tuner:
>
> http://sgcworld.com/Publications/Manuals/239man.pdf
>
> There's a schematic in there so you can see what is included in the
> tuning parts.
>
> Geoff, NW7GM
> Seattle, WA

The manual on page 32 states

5. The SG-239 can be used next to your transceiver as a RF line feed
trimmer for balanced or unbalanced lines of 100-
1000 ohms or coaxial lines (25-100 ohms). The unit does not require a
balanced transformer to perform efficiently.

So no need for a balun or unun.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32273. Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 21:34:49 UTC
From: Brian Carling
Topic: 32256 Message: 32273

Fiberglas mast equals very risky! I have broken one just trying to put up a 6 meter beam! Not robust enough.

Best regards - Bry Carling

> On Apr 29, 2014, at 10:13 PM, <w6jhb@...> wrote:
>
> Interesting to get this email today - I just built a bottom support system this afternoon, although my fiberglass poles are from DX Engineering. I dug a 12 inch hole in the ground, placed a 12 inch long1-1/2 inch pipe in it and filled it with concrete. One bag did the trick. Into that pipe I slid a 24 inch long 1-1/4 inch pipe, and my bottom fiberglass pole sits on it / over it. I did not go up 50 feet. More like 25, but my pole will be holding a 12 meter Moxon beam and I didn't need the height or to annoy the neighbors.
>
> Jim / W6JHB
>
>

32274. Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 21:56:53 UTC
From: Will
Topic: 32256 Message: 32274

Another source of mast are used fibreglass windsurfer masts - 12 to 16 ft. Goood for wires but I wouldn't attempt anything bigger than a 6m dipole on top.

Cheers
Will
ZL1TAO

> ----- Original Message -----
> From: Brian Carling
> Sent: 05/01/14 09:34 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount
>
> Fiberglas mast equals very risky! I have broken one just trying to put up a 6 meter beam! Not robust enough.
>
> Best regards - Bry Carling
>
>
>
> > On Apr 29, 2014, at 10:13 PM, <w6jhb@...> wrote:
> >
> > Interesting to get this email today - I just built a bottom support system this afternoon, although my fiberglass poles are from DX Engineering. I dug a 12 inch hole in the ground, placed a 12 inch long1-1/2 inch pipe in it and filled it with concrete. One bag did the trick. Into that pipe I slid a 24 inch long 1-1/4 inch pipe, and my bottom fiberglass pole sits on it / over it. I did not go up 50 feet. More like 25, but my pole will be holding a 12 meter Moxon beam and I didn't need the height or to annoy the neighbors.
> >
> > Jim / W6JHB
> >
> >

32275. Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 22:18:59 UTC
From: Geoff NW7GM
Topic: 32256 Message: 32275

It would be a good source, but they aren't cheap.

Geoff, NW7GM
Seattle, WA
CN87tr

On Wed, Apr 30, 2014 at 2:56 PM, Will <zl1tao@...> wrote:

>
>
>
> Another source of mast are used fibreglass windsurfer masts - 12 to 16 ft.
> Goood for wires but I wouldn't attempt anything bigger than a 6m dipole on
> top.
>
> Cheers
> Will
> ZL1TAO
>
>
> > ----- Original Message -----
> > From: Brian Carling
> > Sent: 05/01/14 09:34 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount
> >
> > Fiberglas mast equals very risky! I have broken one just trying to put
> up a 6 meter beam! Not robust enough.
> >
> > Best regards - Bry Carling
> >
> >
> >
> > > On Apr 29, 2014, at 10:13 PM, <w6jhb@...m> wrote:
> > >
> > > Interesting to get this email today - I just built a bottom support
> system this afternoon, although my fiberglass poles are from DX
> Engineering. I dug a 12 inch hole in the ground, placed a 12 inch long1-1/2
> inch pipe in it and filled it with concrete. One bag did the trick. Into
> that pipe I slid a 24 inch long 1-1/4 inch pipe, and my bottom fiberglass
> pole sits on it / over it. I did not go up 50 feet. More like 25, but my
> pole will be holding a 12 meter Moxon beam and I didn't need the height or
> to annoy the neighbors.
> > >
> > > Jim / W6JHB
> > >

> > >
>
>
>

32276. Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 22:38:45 UTC
From: Billy Manley
Topic: 32256 Message: 32276

What about making your own out of PVC? I've talked to hams in New Hampshire and he's made himself a mast out of it. Made a small base and guide it for QRP/portable work. I do believe he got the idea out of a QST ad. I can't remember who has them. But made them larger than what the ad ha for some stiffness. Height was about 20ft/7meters high.

I've also thought about making one myself for portable operations and making a larger base and larger diameter PVC for a longer dipole for when I'm camping.
I have the diagram drawn in my "home-brew wish list" notebook. It's small enough (2 1/2in... 6.3cm) at the base to 1 1/2 in/ 3.8cm at the top. Only about 10ft/3.5 meters overall height... Also thought about using wood to stiffen the vertical part in certain parts.

Overall cost would be $20-$40. I've also check at my local commercial store(Lowes/Home Depot) if they had some precut pieces(scrap) and they sell them for a few dollars.

73s

Bill

N2NDF

32277. Cushcraft AR 10

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 23:25:36 UTC
From: Jerry
Topic: 32277 Message: 32277

I am unable to get this ant to tune. 200" and match at 7 1/2" it is
most resonant at 21mhz. If I remove the tuning stub it is most resonant
around 24. I'm stuck
it is mounted in a trip[od 6' above ground. I had it higher and it
didn't make a difference. Jerry

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32278. Re: [ham-antennas] Cushcraft AR 10

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 23:37:46 UTC
From: Mark Pope
Topic: 32277 Message: 32278

I have this antenna. It is also at 200". With the stub the way it came out of the box. Never measured the stub. Once in the air I just rotated the ring adjustment until I got a 1:3/1 swr at 28.400. It stays that way from 28.200 -28.600. Wish I had some Ideas but it does work if you can get it tuned.

Good Luck
Mark/W7MCP
On Apr 30, 2014 5:25 PM, "Jerry" <wa2tti@...t> wrote:

>
>
> I am unable to get this ant to tune. 200" and match at 7 1/2" it is
> most resonant at 21mhz. If I remove the tuning stub it is most resonant
> around 24. I'm stuck
> it is mounted in a trip[od 6' above ground. I had it higher and it
> didn't make a difference. Jerry
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
>
>
>

32279. RE: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-04-30 23:40:43 UTC
From: Michael D Earls
Topic: 32256 Message: 32279

I'll tell you what I found when I considered building a mast from PVC.

I got the idea of using decreasing sizes of PVC from a book published in 1988.

When I looked at PVC from Lowes and Home Depot, it appears not everything is solid PVC.

The larger sizes, beginning at 1 ¼", marked DWV, may be a foam core with a PVC cover, not solid PVC.

Make sure to inspect and verify that it is solid PVC before buying.

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy Manley
Sent: Wednesday, April 30, 2014 5:39 PM
To: ham-antennas@yahoogroups.com; ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

What about making your own out of PVC? I've talked to hams in New Hampshire and he's made himself a mast out of it. Made a small base and guide it for QRP/portable work. I do believe he got the idea out of a QST ad. I can't remember who has them. But made them larger than what the ad ha for some stiffness. Height was about 20ft/7meters high.

I've also thought about making one myself for portable operations and making a larger base and larger diameter PVC for a longer dipole for when I'm camping.
I have the diagram drawn in my "home-brew wish list" notebook. It's small enough (2 1/2in... 6.3cm) at the base to 1 1/2 in/ 3.8cm at the top. Only about 10ft/3.5 meters overall height... Also thought about using wood to stiffen the vertical part in certain parts.

Overall cost would be $20-$40. I've also check at my local commercial store(Lowes/Home Depot) if they had some precut pieces(scrap) and they sell them for a few dollars.

73s

Bill

N2NDF

32280. RE: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 00:23:23 UTC
From: Michael Koffler
Topic: 32256 Message: 32280

Putting wood inside the PVC insures it won't eventually bend in hot weather. I've used this method in the Philippines.

Mike
W6QT

To: ham-antennas@yahoogroups.com
From: mikeearls@...
Date: Wed, 30 Apr 2014 18:40:43 -0500
Subject: RE: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

I'll tell you what I found when I considered building a mast from PVC.

I got the idea of using decreasing sizes of PVC from a book published in 1988.

When I looked at PVC from Lowes and Home Depot, it appears not everything is solid PVC.

The larger sizes, beginning at 1 ¼", marked DWV, may be a foam core with a PVC cover, not solid PVC.

Make sure to inspect and verify that it is solid PVC before buying. Mike EarlsAF5MSTSRA Life MemberNRA Benefactor Member From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Billy Manley
Sent: Wednesday, April 30, 2014 5:39 PM
To: ham-antennas@yahoogroups.com; ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount What about making your own out of PVC? I've talked to hams in New Hampshire and he's made himself a mast out of it. Made a small base and guide it for QRP/portable work. I do believe he got the idea out of a QST ad. I can't remember who has them. But made them larger than what the ad ha for some stiffness. Height was about 20ft/7meters high.

I've also thought about making one myself for portable operations and making a larger base and larger diameter PVC for a longer dipole for when I'm camping.
I have the diagram drawn in my "home-brew wish list" notebook. It's small enough (2 1/2in... 6.3cm) at the base to 1 1/2 in/ 3.8cm at the top. Only about 10ft/3.5 meters overall height... Also thought about using wood to stiffen the vertical part in certain parts.

Overall cost would be $20-$40. I've also check at my local commercial store(Lowes/Home Depot) if they had some precut pieces(scrap) and they sell them for a few dollars.

73s

Bill

N2NDF

32281. RE: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 00:32:06 UTC
From: Billy Manley
Topic: 32256 Message: 32281

Dave Tadlock KG0ZZ has a you tube channel where he used a wooden closet rod to stiffen up a shortened dipole. He used PVC as the support. This is how I got the idea. Yes it might effect the antenna a little. But shouldn't be much...

Bill

N2NDF

32282. Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 04:42:08 UTC
From: Original Woodchuck
Topic: 32256 Message: 32282

On Wed, Apr 30, 2014 at 06:40:43PM -0500, Michael D Earls wrote:
> I'll tell you what I found when I considered building a mast from PVC.
>
> I got the idea of using decreasing sizes of PVC from a book published in 1988.
>
> When I looked at PVC from Lowes and Home Depot, it appears not everything is solid PVC.
>
> The larger sizes, beginning at 1 ?", marked DWV, may be a foam core with a PVC cover, not solid PVC.
>
> Make sure to inspect and verify that it is solid PVC before buying.

DWV = "Drain, Waste and Vent", i.e. pipe not rated for any pressure or heat.

The stronger (and more expensive) stuff is rated (in the US) according to "schedules", Sched 10, 20, 40, 80 are what I've heard of (for PVC), getting progressively stronger with increasing number. These are the same numbers as used for steel pipe. Supposedly Sched 40 PVC pipe, say, has the same dimensions (not the same strength) as Sched 40 steel pipe.

But yeah, DWV pipe is as weak as a kitten.

Dave AB3NR

32283. RE: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 05:34:01 UTC
From: Michael D Earls
Topic: 32256 Message: 32283

The DWV that Lowes sells is also marked SCH 40.

To further complicate the issue, solid PVC pipe is dual marked DWV.

Hence, my comment to inspect to be sure what you're buying.

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Original Woodchuck
Sent: Wednesday, April 30, 2014 11:42 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: MGS Push-Up Pole Ground Mount

On Wed, Apr 30, 2014 at 06:40:43PM -0500, Michael D Earls wrote:
> I'll tell you what I found when I considered building a mast from PVC.
>
> I got the idea of using decreasing sizes of PVC from a book published in 1988.
>
> When I looked at PVC from Lowes and Home Depot, it appears not everything is solid PVC.
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> The larger sizes, beginning at 1 ¼", marked DWV, may be a foam core with a PVC cover, not solid PVC.
>
> Make sure to inspect and verify that it is solid PVC before buying.

DWV = "Drain, Waste and Vent", i.e. pipe not rated for any pressure or heat.

The stronger (and more expensive) stuff is rated (in the US) according to "schedules", Sched 10, 20, 40, 80 are what I've heard of (for PVC), getting progressively stronger with increasing number. These are the same numbers as used for steel pipe. Supposedly Sched 40 PVC pipe, say, has the same dimensions (not the same strength) as Sched 40 steel pipe.

But yeah, DWV pipe is as weak as a kitten.

Dave AB3NR

32284. AW: AW: AW: [ham-antennas] Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 10:36:59 UTC
From: siegfried jackstien
Topic: 32227 Message: 32284

It will work without a balun ... but it will work BETTER with a balun added

Equal currents on the ladderline (or on both legs of dipole/loop) ... and NO CURRENT ON OUTSIDE OF COAX!!! ... no common mode current ... no "hot lips" on the microphone ... no rf in the shack

The tuner will work ... but it is not a balanced device

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Dale Miller
> Gesendet: Mittwoch, 30. April 2014 18:29
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Fiberglass support mast/pole
>
>
>
> On 4/30/2014 11:33 AM, Geoff NW7GM wrote:
>
>
> You're right, it is just a guess - one that is based on the manual
> as there are several 'suggested antenna configurations'. Included are
> loops and dipoles (fed with balanced line). Here is the manual for the
> tuner:
>
> http://sgcworld.com/Publications/Manuals/239man.pdf
>
>
> There's a schematic in there so you can see what is included in the
> tuning parts.
>
>
> Geoff, NW7GM
> Seattle, WA
>
>
>
> The manual on page 32 states
>
> 5. The SG-239 can be used next to your transceiver as a RF line feed
> trimmer for balanced or unbalanced lines of 100-
> 1000 ohms or coaxial lines (25-100 ohms). The unit does not require a

> balanced transformer to perform efficiently.
>
> So no need for a balun or unun.
>
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Cookeville, Tennessee
> Ham Operator since 1997 (Extra)
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@twlakes.net
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
> __
>
>

32285. AW: [ham-antennas] Cushcraft AR 10

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 11:09:32 UTC
From: siegfried jackstien
Topic: 32277 Message: 32285

That tuning stup is needed!! ...

The "slider" is adjusted for 50 ohms impedance ... and length of antenna
sets the resonance point higher if you make it shorter

So look carefully how you assembled the antenna ... maybe you made a fault
with connecting the ring and the slider?!?

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jerry
> Gesendet: Mittwoch, 30. April 2014 23:26
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Cushcraft AR 10
>
>
>
> I am unable to get this ant to tune. 200" and match at 7 1/2" it is
> most resonant at 21mhz. If I remove the tuning stub it is most resonant
> around 24. I'm stuck
> it is mounted in a trip[od 6' above ground. I had it higher and it
> didn't make a difference. Jerry
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
>
>
>
>

32286. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 16:40:57 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 32286

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

32287. New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 17:19:09 UTC
From: Jim Bennett
Topic: 32287 Message: 32287

Hi Folks,

Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.

I prepared a sufficiently long length of the same type of cable to run from the beam over to the shack, somewhere in the vicinity of 90+- or so feet away. Since I have several antennas here (don't tell the CC&R/HOA police!) I run all my cables into an MFJ 4603 Window Pass-thru Panel. On the inside of the panel I ran a six foot length of that same coax and connected it to the AIM-4170C, just to verify my readings from yesterday afternoon. They are OK, but not what I had expected. Now, I am seeing the Impedance as still flat, but at about 75 ohms. My SWR had also gone up a tad; it is now about 1.6: across the entire band. At first I thought my six foot length of inside coax was to blame, so I replaced it with another piece, about 20 feet long. No real change - still higher impedance and SWR. Tried a different "port" on the MFJ pass-thru. No change. I have a four foot length of #4 copper wire running to a five foot long copper clad steel ground rod. Tried disconnecting that from the MFJ. No change. I put the six foot piece back in place and went outside with the AIM-4170C, disconnected the 90 foot length of coax from the MFJ pass-thru and connected it directly to the analyzer. My readings were fairly consistent with what I got yesterday on the patio.

So, I'm pretty confident that this variance in SWR and impedance is due to it being connected to the MFJ pass-thru, but why? This thing is constructed such that all coax cables connected to it have their outer conductor in common - it is an aluminum plate sandwiched between a wood frame. This is the only thing I can think of, but then again, all my equipment is tied together with a ground cable, so what's going on here?

Jim / W6JHB
Folsom, CA

32288. RE: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 18:32:42 UTC
From: Scott Myers
Topic: 32287 Message: 32288

You do understand what the letters MFJ stand for, right? hihi

Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Thursday, May 01, 2014 1:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New Antenna Measurement Question

Hi Folks,

Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.

I prepared a sufficiently long length of the same type of cable to run from the beam over to the shack, somewhere in the vicinity of 90+- or so feet away. Since I have several antennas here (don't tell the CC&R/HOA police!) I run all my cables into an MFJ 4603 Window Pass-thru Panel. On the inside of the panel I ran a six foot length of that same coax and connected it to the AIM-4170C, just to verify my readings from yesterday afternoon. They are OK, but not what I had expected. Now, I am seeing the Impedance as still flat, but at about 75 ohms. My SWR had also gone up a tad; it is now about 1.6: across the entire band. At first I thought my six foot length of inside coax was to blame, so I replaced it with another piece, about 20 feet long. No real change - still higher impedance and SWR. Tried a different "port" on the MFJ pass-thru. No change. I have a four foot length of #4 copper wire running to a five foot long copper clad steel ground rod. Tried disconnecting that from the MFJ. No change. I put the six foot piece back in place and went outside with the AIM-4170C, disconnected the 90 foot length of coax from the MFJ pass-thru and connected it directly to the analyzer. My readings were fairly consistent with what I got yesterday on the patio.

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such that all coax cables connected to it have their outer conductor in common - it is an aluminum plate sandwiched between a wood frame. This is the only thing I can think of, but then again, all my equipment is tied together with a ground cable, so what's going on here?

Jim / W6JHB
Folsom, CA

32289. How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:00:28 UTC
From: <worahm@...>
Topic: 32289 Message: 32289

I just sold my Suburban which freed my Kenwood 7950 for base station use.

I purchased a SlimJim Jpole antenna fabricated from copper tubing, that I intend to hang from a 40 foot high tree limb with wx resistant cord just inside the wood line behind my house. The slim jim is about 5 feet tall.

At this point, I know that the wind moves the trees so I am guessing the antenna will also sway. However, I am not certain what effect a swaying antenna will have on my signal. I have been told it could be detrimental. In any case, I am thinking it would probably be a good idea to do something to minimize the sway

I am considering tying 3 or 4 small diameter cords from the bottom of the antenna to 3 or 4 surrounding tree trunks.

I am open to any and all solutions. Maybe a couple of little muffin fans set up to counter the effects of the wind would do the trick.

Bill KB2GF

32290. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:23:41 UTC
From: Jim Bennett
Topic: 32287 Message: 32290

Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....

Anyway, doing away with it is easier said than done. I have six coax lines, a station ground, and a 14VDC solar panel positive and negative power cable to account for. Whatever would replace the MFJ 4603 would need to be non-conductive AND relatively thin, which kinda limits what I can use. Suggestions?

Jim, W6JHB

On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers wrote:

>
> You do understand what the letters MFJ stand for, right? hihi
>
>
>
> Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.
>
>
>
> 73,
>
> Scott AC8DE
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
> Sent: Thursday, May 01, 2014 1:19 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New Antenna Measurement Question
>
>
>
>
>
> Hi Folks,
>
> Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly

surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.
>
> I prepared a sufficiently long length of the same type of cable to run from the beam over to the shack, somewhere in the vicinity of 90+- or so feet away. Since I have several antennas here (don't tell the CC&R/HOA police!) I run all my cables into an MFJ 4603 Window Pass-thru Panel. On the inside of the panel I ran a six foot length of that same coax and connected it to the AIM-4170C, just to verify my readings from yesterday afternoon. They are OK, but not what I had expected. Now, I am seeing the Impedance as still flat, but at about 75 ohms. My SWR had also gone up a tad; it is now about 1.6: across the entire band. At first I thought my six foot length of inside coax was to blame, so I replaced it with another piece, about 20 feet long. No real change - still higher impedance and SWR. Tried a different "port" on the MFJ pass-thru. No change. I have a four foot length of #4 copper wire running to a five foot long copper clad steel ground rod. Tried disconnecting that from the MFJ. No change. I put the six foot piece back in place and went outside with the AIM-4170C, disconnected the 90 foot length of coax from the MFJ pass-thru and connected it directly to the analyzer. My readings were fairly consistent with what I got yesterday on the patio.
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>
> Jim / W6JHB
> Folsom, CA
>
>
>
>

32291. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:31:24 UTC
From: Mel Farrer
Topic: 32287 Message: 32291

Jim,

Sounds to me like you have some CMC flowing and the coupling of the shields of the other antennas is causing a change in the end feed point impedance. I suggest you just disconnect the pass thru and couple the antenna directly to the radio/analyser and see if the measurement is the same. If so, isolate the shield of the Moxon from the rest of the pass thru.

Mel, K6KBE

On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@mac.com> wrote:

Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....

Anyway, doing away with it is easier said than done. I have six coax lines, a station ground, and a 14VDC solar panel positive and negative power cable to account for. Whatever would replace the MFJ 4603 would need to be non-conductive AND relatively thin, which kinda limits what I can use. Suggestions?

Jim, W6JHB

On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers wrote:

>
>
>You do understand what the letters MFJ stand for, right? hihi
>
>Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.
>
>73,
>Scott AC8DE
>
>From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
>Sent: Thursday, May 01, 2014 1:19 PM
>To: ham-antennas@yahoogroups.com
>Subject: [ham-antennas] New Antenna Measurement Question
>
>
>Hi Folks,
>
>Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial

testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.
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>
>So, I'm pretty confident that this variance in SWR and impedance is due to it being connected to the MFJ pass-thru, but why? This thing is constructed such that all coax cables connected to it have their outer conductor in common - it is an aluminum plate sandwiched between a wood frame. This is the only thing I can think of, but then again, all my equipment is tied together with a ground cable, so what's going on here?
>
>Jim / W6JHB
>Folsom, CA
>
>

32292. Re: [ham-antennas] How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:31:36 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32289 Message: 32292

A little sway won't hurt the slim jim. Mine hangs from a 20' pole in back of my apartment. (One of the n9tax antennas)... performs very well, with simplex reaching out almost 40 miles. I'd LIKE to push it up another 10 feet, but a fiberglass pole bends a bit, and with the wind around here, I don't think it would stay put. (It would join the ground..)

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "worahm@..." <worahm@comcast.net>
To: ham-antennas@yahoogroups.com
Sent: Thursday, May 1, 2014 3:00 PM
Subject: [ham-antennas] How to Minimize Antenna Sway.

I just sold my Suburban which freed my Kenwood 7950 for base station use.

I purchased a SlimJim Jpole antenna fabricated from copper tubing, that I intend to hang from a 40 foot high tree limb with wx resistant cord just inside the wood line behind my house. The slim jim is about 5 feet tall.

At this point, I know that the wind moves the trees so I am guessing the antenna will also sway. However, I am not certain what effect a swaying antenna will have on my signal. I have been told it could be detrimental. In any case, I am thinking it would probably be a good idea to do something to minimize the sway

I am considering tying 3 or 4 small diameter cords from the bottom of the antenna to 3 or 4 surrounding tree trunks.

I am open to any and all solutions. Maybe a couple of little muffin fans set up to counter the effects of the wind would do the trick.

Bill KB2GF

32293. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:31:55 UTC
From: Dale Miller
Topic: 32287 Message: 32293

On 5/1/2014 1:32 PM, Scott Myers wrote:
>
>
> You do understand what the letters MFJ stand for, right? hihi
>
> Who knows what is going on, but sounds like you have found the issue.
> Just make your own pass-through with some bulkhead connectors.
>
> 73,
>
> Scott AC8DE
>
>

Scott there isn't anything special about the MFJ pass-through, it is
basically what you describe.
I don't know what could be causing Jim's issue though.

Jim how old is the MFJ pass-through?

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32294. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:36:47 UTC
From: Jim Bennett
Topic: 32287 Message: 32294

Hi Mel,

I did that - I connected the AIM at the outside of the house, directly to the feed line of the Moxon without going thru the pass-thru, and the SWR & Impedance went back to where they were yesterday. So, it is the MFJ pass-thru causing the change. It wouldn't break my heart to replace the MFJ with something else, but as I noted in my last post, with what? :-)

On Thursday, May 1, 2014, at Thursday, 12:31 PM, Mel Farrer wrote:

>
> Jim,
>
> Sounds to me like you have some CMC flowing and the coupling of the shields of the other antennas is causing a change in the end feed point impedance. I suggest you just disconnect the pass thru and couple the antenna directly to the radio/analyser and see if the measurement is the same. If so, isolate the shield of the Moxon from the rest of the pass thru.
>
> Mel, K6KBE
>
> On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@...m> wrote:
>
> Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....
>
> Anyway, doing away with it is easier said than done. I have six coax lines, a station ground, and a 14VDC solar panel positive and negative power cable to account for. Whatever would replace the MFJ 4603 would need to be non-conductive AND relatively thin, which kinda limits what I can use. Suggestions?
>
> Jim, W6JHB
>
>
> On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers wrote:
>
>>
>>
>> You do understand what the letters MFJ stand for, right? hihi
>>
>> Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.
>>
>> 73,
>> Scott AC8DE
>>

>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
>> Sent: Thursday, May 01, 2014 1:19 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] New Antenna Measurement Question
>>
>>
>> Hi Folks,
>>
>> Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.
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>>
>> Jim / W6JHB
>> Folsom, CA
>>
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32295. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:45:30 UTC
From: Billy Manley
Topic: 32287 Message: 32295

What about making your own? Prolly would be cheaper than buying another commercial made pass thru. That's what I've done. Well, one for the car window. And I'm going to be making one for the apartment window. A little paint, to seal the wood and blend it into the window casing...

N2NDF

32296. AW: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 19:45:47 UTC
From: siegfried jackstien
Topic: 32287 Message: 32296

So when you connect it thru the pass thru the swr goes bad??

Did you try a different connector in the panel??? Maybe one of them is bad only (and can replaced with a good one)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von Jim Bennett
> Gesendet: Donnerstag, 1. Mai 2014 19:37
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] New Antenna Measurement Question
>
>
>
> Hi Mel,
>
> I did that - I connected the AIM at the outside of the house, directly to
> the feed line of the Moxon without going thru the pass-thru, and the SWR &
> Impedance went back to where they were yesterday. So, it is the MFJ pass-
> thru causing the change. It wouldn't break my heart to replace the MFJ
> with something else, but as I noted in my last post, with what? :-)
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> On Thursday, May 1, 2014, at Thursday, 12:31 PM, Mel Farrer wrote:
>
>
>
>
> Jim,
>
> Sounds to me like you have some CMC flowing and the coupling of the
> shields of the other antennas is causing a change in the end feed point
> impedance. I suggest you just disconnect the pass thru and couple the
> antenna directly to the radio/analyser and see if the measurement is the
> same. If so, isolate the shield of the Moxon from the rest of the pass
> thru.
>
> Mel, K6KBE
>
>
>
> On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@mac.com>
> wrote:

>
>
> Yep, I can probably resolve this issue by not using that MFJ pass-
> thru. And now I'm wondering if it has had the same effect on my other
> antennas and I've not noticed it before...? Hmmmm....
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> Anyway, doing away with it is easier said than done. I have six coax
> lines, a station ground, and a 14VDC solar panel positive and negative
> power cable to account for. Whatever would replace the MFJ 4603 would need
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>
> Jim, W6JHB
>
>
> On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers
> wrote:
>
>
>
>
> You do understand what the letters MFJ stand for, right?
hihi
>
> Who knows what is going on, but sounds like you have found
the
> issue. Just make your own pass-through with some bulkhead connectors.
>
> 73,
> Scott AC8DE
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com] On Behalf Of Jim Bennett
> Sent: Thursday, May 01, 2014 1:19 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] New Antenna Measurement Question
>
>
> Hi Folks,
>
> Looking for an answer to a minor issue I've run across. I
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> completed building a Moxon Rectangle beam for 12 meters, per the data at
> the web site of KG4JJH.COM <http://kg4jjh.com/> . It is mounted atop an 18
> foot tall, guyed fiberglass mast in the middle of the back yard. For my
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>
> Jim / W6JHB
> Folsom, CA
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32297. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 20:26:09 UTC
From: Jim Bennett
Topic: 32287 Message: 32297

Prolly..?

W6JHB

On Thursday, May 1, 2014, at Thursday, 12:45 PM, Billy Manley wrote:

> What about making your own? Prolly would be cheaper than buying another commercial made pass thru. That's what I've done. Well, one for the car window. And I'm going to be making one for the apartment window. A little paint, to seal the wood and blend it into the window casing...
>
> N2NDF
>
> From: Jim Bennett <w6jhb@...>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: Re: [ham-antennas] New Antenna Measurement Question
> Sent: Thu, May 1, 2014 7:36:47 PM
>
>
>
> Hi Mel,
>
> I did that - I connected the AIM at the outside of the house, directly to the feed line of the Moxon without going thru the pass-thru, and the SWR & Impedance went back to where they were yesterday. So, it is the MFJ pass-thru causing the change. It wouldn't break my heart to replace the MFJ with something else, but as I noted in my last post, with what? :-)
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>> Mel, K6KBE
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>>> You do understand what the letters MFJ stand for, right? hihi
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>>> Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.
>>>
>>> 73,
>>> Scott AC8DE
>>>
>>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
>>> Sent: Thursday, May 01, 2014 1:19 PM
>>> To: ham-antennas@yahoogroups.com
>>> Subject: [ham-antennas] New Antenna Measurement Question
>>>
>>>
>>> Hi Folks,
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>>> Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.
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>>> Jim / W6JHB
>>> Folsom, CA
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32298. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 20:27:31 UTC
From: Jim Bennett
Topic: 32287 Message: 32298

Yes, I tried a different connector - still not so good. Not real bad, but not the same as when no pass-thru is involved.

W6JHB

On Thursday, May 1, 2014, at Thursday, 12:45 PM, siegfried jackstien wrote:

> So when you connect it thru the pass thru the swr goes bad??
>
> Did you try a different connector in the panel??? Maybe one of them is bad
> only (and can replaced with a good one)
>
> Dg9bfc
>
> Sigi
>
> > Hi Folks,
> >
> > Looking for an answer to a minor issue I've run across. I
> just
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> >
> > Jim / W6JHB
> > Folsom, CA
> >
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32299. RE: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 20:39:28 UTC
From: Richard Schmuke
Topic: 32287 Message: 32299

Jim, 6MM thick polycarbonate (Lexan), shatter proof window replacement from the hardware store. It is easy to cut , drill and whatever. A couple of strips into the window , overlap the center and RTV together, some RTV on the edge, bulkhead fittings or thru the strip and RTV. Insulators for ladder line, ground wire , whatever you want.

http://i1102.photobucket.com/albums/g453/KD0ZZ/PassThru.jpg

No snide remarks about the curtain are required. Leftover polycarbonate scraps make good dipole centers.

http://i1102.photobucket.com/albums/g453/KD0ZZ/QuickChangeDipole008.jpg

Or equipment racks

http://i1102.photobucket.com/albums/g453/KD0ZZ/Radio1-23-10002.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Thursday, May 01, 2014 2:24 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New Antenna Measurement Question

Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....

Anyway, doing away with it is easier said than done. I have six coax lines, a station ground, and a 14VDC solar panel positive and negative power cable to account for. Whatever would replace the MFJ 4603 would need to be non-conductive AND relatively thin, which kinda limits what I can use. Suggestions?

Jim, W6JHB

On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers wrote:

You do understand what the letters MFJ stand for, right? hihi

Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Thursday, May 01, 2014 1:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New Antenna Measurement Question

Hi Folks,

Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.

I prepared a sufficiently long length of the same type of cable to run from the beam over to the shack, somewhere in the vicinity of 90+- or so feet away. Since I have several antennas here (don't tell the CC&R/HOA police!) I run all my cables into an MFJ 4603 Window Pass-thru Panel. On the inside of the panel I ran a six foot length of that same coax and connected it to the AIM-4170C, just to verify my readings from yesterday afternoon. They are OK, but not what I had expected. Now, I am seeing the Impedance as still flat, but at about 75 ohms. My SWR had also gone up a tad; it is now about 1.6: across the entire band. At first I thought my six foot length of inside coax was to blame, so I replaced it with another piece, about 20 feet long. No real change - still higher impedance and SWR. Tried a different "port" on the MFJ pass-thru. No change. I have a four foot length of #4 copper wire running to a five foot long copper clad steel ground rod. Tried disconnecting that from the MFJ. No change. I put the six foot piece back in place and went outside with the AIM-4170C, disconnected the 90 foot length of coax from the MFJ pass-thru and connected it directly to the analyzer. My readings were fairly consistent with what I got yesterday on the patio.

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Jim / W6JHB
Folsom, CA

[Non-text portions of this message have been removed]

32300. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 20:58:33 UTC
From: Kenneth G. Gordon
Topic: 32287 Message: 32300

On 1 May 2014 at 13:26, Jim Bennett wrote:

> Prolly..?
>
> W6JHB

An ancient, cartoonish version of "probably". I like it. :-)

Ken W7EKB

32301. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 21:35:01 UTC
From: Stan Labinsky Jr.
Topic: 32287 Message: 32301

Question:

Have you disconnected everything else - inside, outside, the ground connection included, except the Moxon's cables, from the panel and then re-checked the Moxon's SWR?

If the readings go back to the better value, the panel's pass-through connectors are not at fault. You've got some weird common mode stuff going on here.

Stan

From: Jim Bennett
Sent: Thursday, May 01, 2014 3:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New Antenna Measurement Question

Hi Mel,

I did that - I connected the AIM at the outside of the house, directly to the feed line of the Moxon without going thru the pass-thru, and the SWR & Impedance went back to where they were yesterday. So, it is the MFJ pass-thru causing the change. It wouldn't break my heart to replace the MFJ with something else, but as I noted in my last post, with what? :-)

On Thursday, May 1, 2014, at Thursday, 12:31 PM, Mel Farrer wrote:

Jim,

Sounds to me like you have some CMC flowing and the coupling of the shields of the other antennas is causing a change in the end feed point impedance. I suggest you just disconnect the pass thru and couple the antenna directly to the radio/analyser and see if the measurement is the same. If so, isolate the shield of the Moxon from the rest of the pass thru.

Mel, K6KBE

On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@...> wrote:

Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....

Anyway, doing away with it is easier said than done. I have six coax lines, a station ground, and a 14VDC solar panel positive and negative power cable to account for. Whatever would replace the MFJ 4603 would need to be non-conductive AND relatively thin, which kinda limits what I can use. Suggestions?

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On Thursday, May 1, 2014, at Thursday, 11:32 AM, Scott Myers wrote:

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Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Thursday, May 01, 2014 1:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New Antenna Measurement Question

Hi Folks,

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Jim / W6JHB
Folsom, CA

32302. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-01 22:02:56 UTC
From: KA4INM
Topic: 32287 Message: 32302

On 05/01/14 16:27, Jim W6JHB Bennett:

> Yes, I tried a different connector - still not so good. Not real bad,
> but not the same as when no pass-thru is involved.

It is obvious, when you connect to the panel the outer conductor now
connected to other antennas coaxes adds the other feed lines and
antennas to this antenna system. A balun just before the panel or at the
antenna fed point will help.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32303. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 00:16:33 UTC
From: Brian Carling
Topic: 32287 Message: 32303

It's SO easy to make your own pass thru. I just copied the MFJ and added two more SO239 ports with parts from eBay and Home Depot. Cost was very minimal.

Best regards - Bry Carling

> On May 1, 2014, at 5:35 PM, "Stan Labinsky Jr." <k2stn@...> wrote:
>
> Question:
>
> Have you disconnected everything else - inside, outside, the ground connection included, except the Moxon's cables, from the panel and then re-checked the Moxon's SWR?
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> If the readings go back to the better value, the panel's pass-through connectors are not at fault. You've got some weird common mode stuff going on here.
>
> Stan
>
> From: Jim Bennett
> Sent: Thursday, May 01, 2014 3:36 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] New Antenna Measurement Question
>
>
> Hi Mel,
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>> On Thursday, May 1, 2014, at Thursday, 12:31 PM, Mel Farrer wrote:
>>
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>>
>> Mel, K6KBE

>>
>> On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@mac.com> wrote:
>>
>> Yep, I can probably resolve this issue by not using that MFJ pass-thru. And now I'm wondering if it has had the same effect on my other antennas and I've not noticed it before...? Hmmmm....
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>>> Who knows what is going on, but sounds like you have found the issue. Just make your own pass-through with some bulkhead connectors.
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>>> 73,
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>>> Jim / W6JHB
>>> Folsom, CA
>
>
>

32304. Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 00:16:44 UTC
From: <k9jfk@...>
Topic: 32289 Message: 32304

Hi Bill,

I wouldn't worry about it. The antenna would need a heck of sway angle to disrupt the signal at the repeater. If signal disruption proves to be a problem, then drop a rope straight to the ground and fasten it to a brick or pipe.

I've had all sorts of 2m antennas mounted outside, including a 16ft tall dual band fiberglass colinear that bent a lot in storm winds. Signal disruption was never an issue.

As my "Pappy" used to say, "If it ain't broke, don't "fix" it!

73, Jimmie, K9JFK

---In ham-antennas@yahoogroups.com, <worahm@...> wrote :

I just sold my Suburban which freed my Kenwood 7950 for base station use.

I purchased a SlimJim Jpole antenna fabricated from copper tubing, that I intend to hang from a 40 foot high tree limb with wx resistant cord just inside the wood line behind my house. The slim jim is about 5 feet tall.

At this point, I know that the wind moves the trees so I am guessing the antenna will also sway. However, I am not certain what effect a swaying antenna will have on my signal. I have been told it could be detrimental. In any case, I am thinking it would probably be a good idea to do something to minimize the sway

I am considering tying 3 or 4 small diameter cords from the bottom of the antenna to 3 or 4 surrounding tree trunks.

I am open to any and all solutions. Maybe a couple of little muffin fans set up to counter the effects of the wind would do the trick.

Bill KB2GF

32305. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 00:51:46 UTC
From: Mel Farrer
Topic: 32287 Message: 32305

OK, there are several solutions. First one is that since you see the problem with the pass thru, you can do one of the following.
1. Get a hole saw and punch a larger hole in the panel and cover the hole with a piece of insulation material/plastic from TAP/MASONITE, I don't like it but works if out of the weather. Then punch a hole in the insulation material the same size of the pass thru connector and you are done.
2. Make a new pass through panel as suggested. If you need to do this, you make the panel the size you want, you punch the number of insulated holes you want for either the coax sans the connector or for the pass thru connectors. I did several in the past and when I finished the panel with the cable holes, I cut the panel splitting the panel into two pieces across the centerline of the cable holes, use a thin band saw blade. The two pieces now can capture the cable without the need of the pass thru connector. This is my method of choice.

Good luck in which ever method you use.

Mel, K6KBE

On Thursday, May 1, 2014 5:16 PM, Brian Carling <bcarling@...> wrote:

It's SO easy to make your own pass thru. I just copied the MFJ and added two more SO239 ports with parts from eBay and Home Depot. Cost was very minimal.

Best regards - Bry Carling

On May 1, 2014, at 5:35 PM, "Stan Labinsky Jr." <k2stn@...> wrote:

>Question:
>
>Have you disconnected everything else - inside, outside, the
ground connection included, except the Moxon's cables, from the panel and then
re-checked the Moxon's SWR?
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>If the readings go back to the better value, the panel's
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>Sent: Thursday, May 01, 2014 3:36 PM
>To: ham-antennas@yahoogroups.com
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>>>Jim / W6JHB
>>>Folsom, CA
>>>

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>>
>

32306. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 02:16:40 UTC
From: Rob
Topic: 32287 Message: 32306

Another quick idea to replace your metal plate... McMaster-Carr (and others) sell fiberglass sheet material. If you bought a 2'x3' sheet of 3/16" thick G10 you could cut it to size and install all the jacks you need. This stuff is very strong, stiff, resists water uptake, is flame retardant and is UV resistant. It takes paint well if you tough up the surface. We in the boomerang building community love this stuff.

John
WA3JRS

> On May 1, 2014, at 8:51 PM, Mel Farrer <farrerfolks@...> wrote:
>
> OK, there are several solutions. First one is that since you see the problem with the pass thru, you can do one of the following.
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>>> Mel, K6KBE
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>>> On Thursday, May 1, 2014 12:23 PM, Jim Bennett <w6jhb@...> wrote:
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>>>> Folsom, CA
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>

32307. RE: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 03:46:22 UTC
From: William Collister
Topic: 32287 Message: 32307

Internet/texting equivalent for 'probably'.
Bill
N7MOG

To: ham-antennas@yahoogroups.com
From: w6jhb@...
Date: Thu, 1 May 2014 13:26:09 -0700
Subject: Re: [ham-antennas] New Antenna Measurement Question

Prolly..?
W6JHB

On Thursday, May 1, 2014, at Thursday, 12:45 PM, Billy Manley wrote:

What about making your own? Prolly would be cheaper than buying another commercial made pass thru. That's what I've done. Well, one for the car window. And I'm going to be making one for the apartment window. A little paint, to seal the wood and blend it into the window casing...

N2NDF

From:

Jim Bennett <w6jhb@...>;

To:

<ham-antennas@yahoogroups.com>;

Subject:

Re: [ham-antennas] New Antenna Measurement Question

Sent:

Thu, May 1, 2014 7:36:47 PM

Hi Mel,I did that - I connected the AIM at the outside of the house, directly to the feed line of the Moxon without going thru the pass-thru, and the SWR & Impedance went back to where they were yesterday. So, it is the MFJ pass-thru causing the change. It wouldn't break my heart to replace the MFJ with something else, but as I noted in my last post, with what? :-)On Thursday, May 1, 2014, at Thursday, 12:31 PM, Mel Farrer wrote:

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Jim Bennett <w6jhb@...> wrote:

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CA

32308. Yo!

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 05:18:29 UTC
From: allen jackson
Topic: 32308 Message: 32308

http://higl.org/wp-content/themes/pyrmont-v2/without.php?ngxactea1938gknm

*.

Fri, 2 May 2014 05:18:29
kc4sbj2000@...

allen jackson

It's the really good ones that break your heart. -- David Scharch

32309. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 13:51:03 UTC
From: <ke7zag@...>
Topic: 32287 Message: 32309

Hi Jim,

Connecting the braid shields of multiple antennas at a termination point will result in interplay of whatever common mode current is flowing on the feedlines. This is very common and generally will not result in VSWR outside of what your rig can handle. There will always be some shift due to the interplay because your various feedlines also function as antennas and pick up some CMC after the balun (assuming a balun at the antenna end), and closely placed antennas "see" each other and tend to function as one large array creating further complications with tuning.

If you are getting a dramatic swing, take your multimeter and start doing voltage checks between your various antenna feedlines and you will find one or more that are passing CMC and creating the interplay that allows your passthrough plate to function as an inductor.

Contributors are feedlines cut to resonant frequencies, or more commonly in restricted space one or more antennas located too close to each other, or simply the balun or baluns themselves.

The best solution is to not worry about it in an installation like you describe, but use a good tuner at the rig end. There is a very good explanation of CMC and the impacts of VSWR here: http://www.hamuniverse.com/wc7iswr.html http://www.hamuniverse.com/wc7iswr.html It is not the bugaboo that many believe it to be.

73's
Randy

32310. Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 16:48:23 UTC
From: <jerrybosak@...>
Topic: 32287 Message: 32310

Your antenna is not high enough, to be efficient on 10 / 12 meters, it needs to be somewhere in the neighborhood of about 36 or more feet off the ground. 30' would be a minimum in my opinion.

If you look at the specifications - velocity factor for the cable and figure out half wavelengths - you will come up with a length where you should see 50 ohms into a 50 ohm dummy load.

Did you check it with a dummy load?

If you were transmitting and someone walked near the feed line with a florescent bulb, once every wavelength, the bulb would illuminate.
This would be where the E and the H fields meets.

My guess is that you were tricking your SWR meter and analyzer into reading what you wanted it to read.
50 ohm / 75 ohm - who cares.

Tell me the voltage / amperage on the line at the end of the line and the feed point, that is all that I care about.

Raise the antenna, move the antenna into a free space - something in the neighborhood is interfering with it.

Use a resonant half wave length piece of coax when you do your next analysis of the antenna..

In theory, if the antenna is purely resistive - 50 ohms, the length of the coax will not change it's efficiency - not one iota.

Rule of thumb - don't sweat the petty stuff and don't pet the sweaty stuff..

---In ham-antennas@yahoogroups.com, <w6jhb@...> wrote :

Hi Folks,

Looking for an answer to a minor issue I've run across. I just completed building a Moxon Rectangle beam for 12 meters, per the data at the web site of KG4JJH.COM. It is mounted atop an 18 foot tall, guyed fiberglass mast in the middle of the back yard. For my initial testing, I had hooked a 50 foot length of DX Engineering RG-8X to the beam. Sitting on the back patio, I connected the free end of the coax to my AIM-4170C analyzer. I was pleasantly surprised to see impedance to be between 50-46 ohms across the entire 12 meter band. The SWR showed up at 1.25:1 at the bottom of the band and increased only to 1.4:1 at the top. Sweet, I thought.

I prepared a sufficiently long length of the same type of cable to run from the beam over to the shack, somewhere in the vicinity of 90+- or so feet away. Since I have several antennas here (don't tell the CC&R/HOA police!) I run all my cables into an MFJ 4603 Window

Pass-thru Panel. On the inside of the panel I ran a six foot length of that same coax and connected it to the AIM-4170C, just to verify my readings from yesterday afternoon. They are OK, but not what I had expected. Now, I am seeing the Impedance as still flat, but at about 75 ohms. My SWR had also gone up a tad; it is now about 1.6: across the entire band. At first I thought my six foot length of inside coax was to blame, so I replaced it with another piece, about 20 feet long. No real change - still higher impedance and SWR. Tried a different "port" on the MFJ pass-thru. No change. I have a four foot length of #4 copper wire running to a five foot long copper clad steel ground rod. Tried disconnecting that from the MFJ. No change. I put the six foot piece back in place and went outside with the AIM-4170C, disconnected the 90 foot length of coax from the MFJ pass-thru and connected it directly to the analyzer. My readings were fairly consistent with what I got yesterday on the patio.

So, I'm pretty confident that this variance in SWR and impedance is due to it being connected to the MFJ pass-thru, but why? This thing is constructed such that all coax cables connected to it have their outer conductor in common - it is an aluminum plate sandwiched between a wood frame. This is the only thing I can think of, but then again, all my equipment is tied together with a ground cable, so what's going on here?

Jim / W6JHB
Folsom, CA

32311. Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 16:52:56 UTC
From: <jerrybosak@...>
Topic: 32289 Message: 32311

Buy a real antenna and put up a pole or a tower.

J Pole antenna's are used to teach theory.
If you have the only repeaters you wish to talk on in your neighborhood in your back yard, the J Pole antenna will work just fine - regardless.

But if you are a real ham - you will want to talk on as many repeaters as you possibly can, which means talking at distance, which means putting up a real antenna with some kind of gain and having it higher then everything else in the neighborhood.

Kenwood 7950 - geesh that thing is an antique..

32312. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 16:57:38 UTC
From: <jerrybosak@...>
Topic: 32287 Message: 32312

A piece of rigid styrofoam and a coupler.

Try a sign shop or a place that makes walk in coolers / refridgerators.

Why not just drill a hole in the wall / or take out the coupler and put in your own coupler.

The pass thru panel allows you to run cables through the windows - but how do you keep the air from escaping through the gap at the top of the window?

The window is still open at the top, even when you have the hole plugged at the bottom.

32313. Re: [ham-antennas] Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 17:33:11 UTC
From: worahm@...
Topic: 32289 Message: 32313

I had a one of those antennae you are talking about, when I was younger and lived in New Jersey, a long time ago. It was a Cushcraft A-147-22, two meter beam on top of my 70 foot tower. But that was when I was young when I could climb a tower and lived in a community that allowed towers and antennae. I still have the Cushcraft, A147-22 stored in my attic along with a Mosley CL33.

Now that I am 80 years old, and live in a different kind of community in Florida, I feel fortunate to have ten acres of pine woods behind my house where I can hide a few antennae.

Do I yearn for the old days, when I had a tower that I could climb and real antennae. You bet. But, time moves on and dealing with that sometimes calls for compromise..

Yes, the Kenwood 7950 is old but it still works and puts out 45 watts. And, I was able to find an after market subtone board that will give me three subtones. How lucky can one old man get? I know, two meters has come a long way since my hay day, but at this point in my life, I would be satisfied to be able to contact my Ham friends on the East coast of Florida, 50 miles away when the sun is high in the ski.

I can always use HF when I want to talk DX.

Bill KB2GF

32314. Re: [ham-antennas] Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 17:38:05 UTC
From: Jim Bennett
Topic: 32287 Message: 32314

I think I have found the culprit. But first, I want to extend my thanks to the many folks who have responded to my post - I really appreciate the input. And I came away from this with some great ideas!

This morning I had some time to do a bit of testing. I re-measured with the AIM 4170C connected to a six foot length of cable, the other end of which went to the MFJ pass thru. On the outside, the coax connected to the pass thru ran about 90 feet to the antenna. My readings were the same - impedance about 75 ohms, SWR pretty flat, but up around 1.6:1 across the whole 12 meter band. This is consistent with what I saw yesterday afternoon.

I unhooked the six foot coax, opened up the window, and pulled a foot or so of that 90 foot cable into the shack. Hooked it to the AIM and re-scanned. SWR still flat, but under 1.5:1, and the impedance runs around 38 ohms. At the suggestion of my buddy K6PJV, I unhooked the 90 foot cable and placed a 2 inch barrel connector between it and that six foot coax and connected it to the AIM. Readings went back to where they were when connected to the MFJ pass thru. I changed the six foot coax out for another piece, about 10 feet long. Same readings. I tried a longer (3.5") barrel connector - same readings. Well, whadda ya know!! The MFJ uses a 3.5" barrel connector to get the cable inside, too. And it is these darn double female barrel connectors that appear to be what is giving me these inconsistent readings. At this point I have to say it is more than a guess - it is pretty much proven by the testing I just did.

OK, let me be clear about one thing: no, I am NOT worried about having an SWR that is 1.6:1 instead of 1.4:1. :-) That falls into the realm of "BFD". And yes, my Elecraft KAT500 auto tuner has absolutely no problem matching things and presenting the KPA500 with a 1:1 SWR. My intentions for the original post were to see if anyone had an idea why things were different between "direct connect" and MFJ pass thru connect. It appears the the barrel connector(s) cause it.

I can probably get the original 1.4:1 SWR at the back of the KAT500 by eliminating the MFJ pass thru with it's barrel connectors. But is it really worth it? I have six coax cables, a ground cable, and the 14VDC power cable from my solar panel to deal with if I replace the MFJ pass thru. Building my own pass-thru out of Lexan or fiberglass is certainly an option. And, since I've maxed out the coax "ports" on this MFJ thing, I might just do that, but not by using barrel connectors!!! And yes, the window "was" open at the top when first installed, but I placed a fitted piece of foam insulation at the top and resolved that problem. The horizontally sliding window locks also fit into one of their grooves with the MFJ in place, so it isn't as if the window could easily be opened up. Other than the barrel connector issue, I have no major gripes about that MFJ unit.

On the antenna height - yes, going higher would make it perform slightly better, but in my situation, it isn't gonna happen. We have CC&R / HOA regulations and as it is I'm pushing the envelope with six (yes, SIX) outside antennas: an 88' long doublet at 45', an 80 meter Inverted L, a 160 meter Inverted L, a ground mounted Hustler 5BTV, a 5/4 wave 144 MHz vertical, and now this Moxon beam for 12 meters. However, the EZnec statistics for this antenna, at 24.900 MHz show that there is only a difference of 1.3dB forward gain and 1.7dB

F/B when dropping from 1 wavelength elevation (39.5 feet) to 1/2 wavelength elevation (19.75 feet). I'm just about 1/2 wavelength as it site now. I might be able to push it up another two feet, but..... would it really matter...?

So, for now, I think that's the end of it for me. Now, if only the 12 meter bad would open up. Arrghhhhhhhh!!!

73, and again, thanks folks.

Jim / W6JHB

32315. Re: [ham-antennas] Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 18:40:38 UTC
From: Don Sanders
Topic: 32289 Message: 32315

Yes, the 7950 is old but a goody. I used one mobile and fixed in the early
80's. Actually had 5 units, pulled them out of box to use mobile to
hamfests and then sold them on my table.Along with my Skylane Quads.
No 2 meter activity here except for the wife and I car to house.
I use HF to talk with old friends and many new ones. From here every
contact is DX.

Don HC4/W4BWS

On Fri, May 2, 2014 at 12:33 PM, <worahm@...> wrote:

>
>
> I had a one of those antennae you are talking about, when I was younger
> and lived in New Jersey, a long time ago. It was a Cushcraft A-147-22, two
> meter beam on top of my 70 foot tower. But that was when I was young when
> I could climb a tower and lived in a community that allowed towers and
> antennae. I still have the Cushcraft, A147-22 stored in my attic along
> with a Mosley CL33.
>
>
>
> Now that I am 80 years old, and live in a different kind of community in
> Florida, I feel fortunate to have ten acres of pine woods behind my house
> where I can hide a few antennae.
>
>
>
> Do I yearn for the old days, when I had a tower that I could climb and
> real antennae. You bet. But, time moves on and dealing with that
> sometimes calls for compromise..
>
>
>
> Yes, the Kenwood 7950 is old but it still works and puts out 45
> watts. And, I was able to find an after market subtone board that will
> give me three subtones. How lucky can one old man get? I know, two
> meters has come a long way since my hay day, but at this point in my life,
> I would be satisfied to be able to contact my Ham friends on the East coast
> of Florida, 50 miles away when the sun is high in the ski.
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>
> I can always use HF when I want to talk DX.
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> Bill KB2GF
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Dr. Don W4BWS

32316. RE: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 18:58:24 UTC
From: Richard Schmuke
Topic: 32287 Message: 32316

The pass thru panel allows you to run cables through the windows - but how do you keep the air from escaping through the gap at the top of the window?

The window is still open at the top, even when you have the hole plugged at the bottom.

You use the same thing that you used for the pass thru, remember I said to get a sheet of polycarbonate (Lexan) from the hardware store, home depot, lowes,. Cut a 1 wide strip of poly and seal that top gap. Also for you info the stores carry a removable , clear caulk for temporary installations. You can install it and a year later peel off the sealer and change things.

Next question??

Rich, Kd0zz

[Non-text portions of this message have been removed]

32317. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 19:03:50 UTC
From: Jim Bennett
Topic: 32287 Message: 32317

Rich,

I sealed the wind/cold/heat out with a strip of insulating form that I jammed in at the top of the window works pretty well. But, if I re-build my pass-thru it won't be with barrel connectors for the coax! A sheet of Lexan or fiberglass, holes drilled through for the coax, and then slit down the center will work. But I'll probably keep it as I have it now, unless I somehow come up with a seventh antenna!!! :-)

Jim / W6JHB

On Friday, May 2, 2014, at Friday, 11:58 AM, Richard Schmuke wrote:

>
>
> The pass thru panel allows you to run cables through the windows - but how do you keep the air from escaping through the gap at the top of the window?
>
> The window is still open at the top, even when you have the hole plugged at the bottom.
>
> You use the same thing that you used for the pass thru, remember I said to get a sheet of polycarbonate (Lexan) from the hardware store, home depot, lowes,. Cut a 1 wide strip of poly and seal that top gap. Also for you info the stores carry a removable , clear caulk for temporary installations. You can install it and a year later peel off the sealer and change things.
>
> Next question??
>
> Rich, Kd0zz
>
> [Non-text portions of this message have been removed]
>
>

32318. RE: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 20:00:20 UTC
From: Richard Schmuke
Topic: 32287 Message: 32318

You are getting it Jim, I used the foam at the lower open joint where it is window to frame and the polycarbonate strip with removable caulk at the top where the window latch is. Next trick if you just RTV your coax thru the pass thru you might need to stabilize the coax. Again I used a small strip of poly and attached the coax cables with some adell clamps. Then the strip is supported with 1/16 steel cables up to the roof overhang. Show and tell picture follows. The small white wire in picture is for something else.

http://i1102.photobucket.com/albums/g453/KD0ZZ/DSC00956_zps68437923.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Jim Bennett
Sent: Friday, May 02, 2014 2:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New Antenna Measurement Question

Rich,

I sealed the wind/cold/heat out with a strip of insulating form that I jammed in at the top of the window works pretty well. But, if I re-build my pass-thru it won't be with barrel connectors for the coax! A sheet of Lexan or fiberglass, holes drilled through for the coax, and then slit down the center will work. But I'll probably keep it as I have it now, unless I somehow come up with a seventh antenna!!! :-)

Jim / W6JHB

On Friday, May 2, 2014, at Friday, 11:58 AM, Richard Schmuke wrote:

The pass thru panel allows you to run cables through the windows - but how do you keep the air from escaping through the gap at the top of the window?

The window is still open at the top, even when you have the hole plugged at the bottom.

You use the same thing that you used for the pass thru, remember I said to get a sheet of polycarbonate (Lexan) from the hardware store, home depot, lowes,. Cut a 1 wide strip of poly and seal that top gap. Also for you info the stores carry a removable , clear caulk for temporary installations. You can install it and a year later peel off the sealer and change things.

Next question??

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

32319. AW: [ham-antennas] Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 20:41:47 UTC
From: siegfried jackstien
Topic: 32287 Message: 32319

> double female barrel connectors that appear to be what is giving me these
> inconsistent readings. At this point I have to say it is more than a guess
> - it is pretty much proven by the testing I just did.

The inconsistence readings is cause you do not have 50 ohms at the antenna end ... and then along the coax there are points interchanging every quarterwave length of the line with impedance around 80 ohms and 35 ohm (or in that range) ... and the changing is not caused by the barrel connector but with the changed length of the line and the not 50 ohms input!!!

A real test would be you have on length of cable with barrel connector (as you have now with the pass thru) ...

And the same length without a barrel connector inside (same length as the LONGER cable in previous test!)

If you would slightly change the antenna (to get closer to 50 ohms on the antenna end of the cable) ... then you would not notice changing the length, adding 1 or 2 barrel connectors, etc. ...

... now a complete different question ...

Why you did erect that 12m moxox?? On nearly the same space you could build a spider beam or hexbeam for 3 or 5 bands ...

And if you put that on a metal pole ... and all elements are connected to boom .... then this antenna makes a nice topload to feed the pole as a vertical :-)

Dg9bfc

Sigi

Ps ... nice setup for a restricted home ... grin

32320. Re: AW: [ham-antennas] Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 20:57:23 UTC
From: Rob Stewart
Topic: 32287 Message: 32320

Love to see this kind of collective analysis, troubleshooting and collaboration.

John
WA3JRS
On Friday, May 2, 2014 4:44 PM, siegfried jackstien <siegfried.jackstien@...> wrote:

> double female barrel connectors that appear to be what is giving me these
> inconsistent readings. At this point I have to say it is more than a guess
> - it is pretty much proven by the testing I just did.

The inconsistence readings is cause you do not have 50 ohms at the antenna end ... and then along the coax there are points interchanging every quarterwave length of the line with impedance around 80 ohms and 35 ohm (or in that range) ... and the changing is not caused by the barrel connector but with the changed length of the line and the not 50 ohms input!!!

A real test would be you have on length of cable with barrel connector (as you have now with the pass thru) ...

And the same length without a barrel connector inside (same length as the LONGER cable in previous test!)

If you would slightly change the antenna (to get closer to 50 ohms on the antenna end of the cable) ... then you would not notice changing the length, adding 1 or 2 barrel connectors, etc. ...

... now a complete different question ...

Why you did erect that 12m moxox?? On nearly the same space you could build a spider beam or hexbeam for 3 or 5 bands ...

And if you put that on a metal pole ... and all elements are connected to boom .... then this antenna makes a nice topload to feed the pole as a vertical :-)

Dg9bfc

Sigi

Ps ... nice setup for a restricted home ... grin

32321. Re: [ham-antennas] Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-02 22:09:37 UTC
From: Jim Bennett
Topic: 32287 Message: 32321

I have tested this with several lengths of coax on the radio side of the barrel connectors. Some six feet long, some 15 feet, and another one close to 25 feet long. In EVERY instance, the SWR is in the 1.6:1 range and the impedance is around 75 or so ohms. With no barrel connector and several different lengths of coax directly between the AIM 4170 and the Moxon, the readings were consistently 1.3:1 and just under 50 ohms. But as I mentioned, these differences are not worth my worrying about. If I were running 100mw output, I'd be concerned about every 100th of a db, but I most often run 500 watts CW on 12 meters.

Why a 12 meter Moxon? Several reasons. First, it is the band I am most interested in completing my Worked All States on. ALready have WAS on 80, 40, 20, 15, and 10 meters. I am trying to complete it on 12 meters before the sunspot cycle (as crappy as this one is) leaves us. I'm 65 years old - who knows if I'll be around for the peak of the next one! :-)

Second reason - quite inexpensive. I built this one for less than $100USD.

Third - a single band Moxon for 12 meters is pretty inconspicuous. It isn't too large and I'm able to have it placed in a spot in the yard where it is hidden by several redwood trees. A hexbeam or spiderbeam would have a larger turning radius and would not fit in the allotted space. If the restrictions were not there, I'd have a nice tower and a multiband (30-17-12) yagi on top, but alas - that isn't possible. So, the Moxon was my antenna of choice. And it does work quite nicely. First QSO: 3D2RH, Fiji - on the first call in a moderate pileup.

Jim / W6JHB

Friday, May 2, 2014, at Friday, 1:41 PM, siegfried jackstien wrote:

> > double female barrel connectors that appear to be what is giving me these
> > inconsistent readings. At this point I have to say it is more than a guess
> > - it is pretty much proven by the testing I just did.
>
> The inconsistence readings is cause you do not have 50 ohms at the antenna
> end ... and then along the coax there are points interchanging every
> quarterwave length of the line with impedance around 80 ohms and 35 ohm (or
> in that range) ... and the changing is not caused by the barrel connector
> but with the changed length of the line and the not 50 ohms input!!!
>
> A real test would be you have on length of cable with barrel connector (as
> you have now with the pass thru) ...
>
> And the same length without a barrel connector inside (same length as the
> LONGER cable in previous test!)
>
> If you would slightly change the antenna (to get closer to 50 ohms on the
> antenna end of the cable) ... then you would not notice changing the length,
> adding 1 or 2 barrel connectors, etc. ...

>
> ... now a complete different question ...
>
> Why you did erect that 12m moxox?? On nearly the same space you could build
> a spider beam or hexbeam for 3 or 5 bands ...
>
> And if you put that on a metal pole ... and all elements are connected to
> boom .... then this antenna makes a nice topload to feed the pole as a
> vertical :-)
>
> Dg9bfc
>
> Sigi
>
> Ps ... nice setup for a restricted home ... grin
>
>

32322. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 12:00:42 UTC
From: <radiomanl@...>
Topic: 32287 Message: 32322

uesed to be able to get a 2 or 3 " square gray foam strip at most any hardware or home improvement store that was used to seal the gap when you had a window A/C . they may still have them but be prepared to find it on your own . I needed a few about 5 years ago and the staff had never heard of them .

kd5pnt

32323. Re: [ham-antennas] New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 13:25:42 UTC
From: Stan Labinsky Jr.
Topic: 32287 Message: 32323

Sounds like nice stuff... I'll keep it in mind for other projects.

However, the intent of the metal plate is to create a common connection point for the shields of all the cables. A point which then can be run to your lightning protection grounding point.

If you used just the fiberglass sheet you'd then have to separately tie all the shields together to be run to your lightning ground. Something you definitely do NOT want to do through the connections inside the shack. We never, never invite lightning in for lunch... it's really a lousy guest!

Stan

From: Rob
Sent: Thursday, May 01, 2014 10:16 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New Antenna Measurement Question

Another quick idea to replace your metal plate... McMaster-Carr (and others) sell fiberglass sheet material. If you bought a 2'x3' sheet of 3/16" thick G10 you could cut it to size and install all the jacks you need. This stuff is very strong, stiff, resists water uptake, is flame retardant and is UV resistant. It takes paint well if you tough up the surface. We in the boomerang building community love this stuff.

John
WA3JRS

On May 1, 2014, at 8:51 PM, Mel Farrer <farrerfolks@yahoo.com> wrote:

OK, there are several solutions. First one is that since you see the problem with the pass thru, you can do one of the following.

32324. Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 14:44:01 UTC
From: <jferrell13@...>
Topic: 32289 Message: 32324

No offense intended but there are many facets to Ham Radio.
My most used antenna is a J-Pole stuck into a short piece of masting, about 6 feet. It reaches the local repeaters fine using about 10 watts. I can talk to my local friends very well and I have managed to stay out of trouble with lightning.

If I change over to an 11 element yagi at 60 feet I can be a nuisance across several states.
Most of those operating older equipment do so with great pride. My ICOM 32-AT HT Out performs Every modern HT I have seen. It also runs from a number of power sources including Alkalines from Dollar General.

I do appreciate your enthusiasm though!

32325. Re: [ham-antennas] Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 15:19:04 UTC
From: DVC3565@...
Topic: 32289 Message: 32325

Got to agree with you. Then again I have been "hamming" for 37+ years now.
Seems the "new" guys are taught to try and communicate HF distances on
VHF/UHF frequencies. But even those ways of communicating are changing too.
Look at the WAN repeater systems popping up. And all the digital modes of
communicating with 5 watts-around the world!
At my new QTH, I am high up and run my 5 watt IC-O2AT into a J-Pole at 12
foot. I can WORK repeaters in 4 states! (PA, OH, NY & WVA.) At my old
QTH...stacked 11 elm 2 Meter beams at 55 foot, on a tower, fed with 1/2 Helix
and a 300 watt amplifier...had "trouble" hitting repeaters in Pittsburgh,
which was 35 air miles away. (Cabot was down in a "bowl.") VHF/UHF is all
location, Location, LOCATION! The higher, the better. (The VHF array is stored
away.) I could just imagine what problems (for me,) operating the beams AND
power would cause me "up here."
I have "upgraded" my ham knowledge over the years, but don't pretend to
know the ham radio the young guys are more comfortable with.
I miss the old nights of the glow of the tubes in my "separate"
transmitter AND receiver. And the old teletype banging away beside them. I suspect 35
years from now THESE ham's will be saying the same things I do now.
Enjoy the hobby!
73,
Dave-KJ4PF

In a message dated 5/3/2014 10:44:04 A.M. Eastern Daylight Time,
jferrell13@... writes:

No offense intended but there are many facets to Ham Radio.

My most used antenna is a J-Pole stuck into a short piece of masting, about
6 feet. It reaches the local repeaters fine using about 10 watts. I can
talk to my local friends very well and I have managed to stay out of trouble
with lightning.
If I change over to an 11 element yagi at 60 feet I can be a nuisance
across several states.
Most of those operating older equipment do so with great pride. My ICOM
32-AT HT Out performs Every modern HT I have seen. It also runs from a number
of power sources including Alkalines from Dollar General.
I do appreciate your enthusiasm though!

32326. Re: [ham-antennas] Re: How to Minimize Antenna Sway.

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 16:14:20 UTC
From: worahm@...
Topic: 32289 Message: 32326

I agree.

One of the reasons I did not use the 2 meter beam very much when I lived in NJ was that I would bring up more then one repeater at the same time. NOT GOOD. Of course, many years ago before most repeaters used a sub tone frequency.

As far as the Slim Jim JPole that I intend to use here in Florida. My situation is entirely different. I live in a restricted community that fronds on outside antennae. Of course, they don't want to talk about TV satellite dishes. I am lucky to have 10 acres of pine woods behind my property where I have 2 dipoles and a 5 band vertical. Hanging the Jpole antenna is a convenient way to get the Jpole up high and at the same time remain inconspicuous.

I'll see what happens with the Jpole hanging from a tree limb. If I get reports of flutter or fading, It should be an easy matter to stabilized the Jpole with 3 or 4 small diameter cords to a few surrounding tree trunks.

God, I love this hobby.

Bill KB2GF

32327. Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 16:48:25 UTC
From: <bartenderjim2002@...>
Topic: 32327 Message: 32327

Good morning all,
Just a quick question for the group...In the last week or so I was forced to move my station from one room to another room which is closer to the antenna system. I have the Yaesu 897D...with a G5RV,jr and the MFJ-1622 vertical. I was running approximately 100' of coax from each antenna to the station. Now that it is closer I find I do not need this much cable. Right now I have the excess coiled up under the desk, however, when I turn on the radio and tune through the bands I am not receiving anything. I suspect it is the coiled cable that is not allowing me to receive. My question: Should I buy some smaller length of coax (funds are an issue as well) or just coil the excess outside at the fed point?
Suggestions...thoughts....funny remarks....snide comments....I will read all but may not respond to all.
Thanks for all you guys do.
JamesM.
KJ6FXA

32328. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 16:57:01 UTC
From: Don Sanders
Topic: 32327 Message: 32328

Coiling the excess cable should not prevent you from hearing anything.
You need to check the connections, connectors, etc and make sure everything is still correct.
Moving coax can sometimes cause a kink and thus a short internal particularly with foam coax.
Also connector center pin solder joints sometimes are not good and come apart when moved.
Quick test is to connect just the outside shield to the center pin of the receiver connector. You should hear signals. Then do same for center wire of the coax only. If you hear signals both ways you maybe Ok, if not check out why not.

Don W4BWS

On Sat, May 3, 2014 at 11:48 AM, <bartenderjim2002@...> wrote:

>
>
> Good morning all,
>
> Just a quick question for the group...In the last week or so I was forced
> to move my station from one room to another room which is closer to the
> antenna system. I have the Yaesu 897D...with a G5RV,jr and the MFJ-1622
> vertical. I was running approximately 100' of coax from each antenna to the
> station. Now that it is closer I find I do not need this much cable. Right
> now I have the excess coiled up under the desk, however, when I turn on the
> radio and tune through the bands I am not receiving anything. I suspect it
> is the coiled cable that is not allowing me to receive. My question: Should
> I buy some smaller length of coax (funds are an issue as well) or just coil
> the excess outside at the fed point? Suggestions...thoughts....funny
> remarks....snide comments....I will read all but may not respond to all.
>
> Thanks for all you guys do.
>
> JamesM.
>
> KJ6FXA
>
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>

--
Dr. Don W4BWS

32329. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 17:07:56 UTC
From: Kenneth G. Gordon
Topic: 32327 Message: 32329

On 3 May 2014 at 9:48, bartenderjim2002@... wrote:

> Good morning all,

Good morning, Young Man.

> is closer I find I do not need this much cable. Right now I have the excess
> coiled up under the desk, however, when I turn on the radio and tune through the
> bands I am not receiving anything. I suspect it is the coiled cable that is not
> allowing me to receive.

I disagree. All the coil of cable should do is act like an RF choke to any RF on the OUTSIDE of the cable. I.e., common-mode RF. It should not effect any signal from the antenna to your receiver.

One way to check for a bad connection is to check what your SWR is on those bands you operate. If it is unusually high or very different from what it was before you coiled the cable, then I would suspect either a bad connection, or, perhaps, if your coils are very small, and the bends are too short, perhaps a center-conductor has "migrated" to the point that it shorted out against the shield.

> My question: Should I buy some smaller length of coax
> (funds are an issue as well) or just coil the excess outside at the fed point?

Why can you not whack it off at the necessary length and install the necessary fittings? You could then install fittings on the shorter pieces and eventually use them for jumpers or etc.

I am 100% certain that the problem is NOT the coils in the coax, but some other problem, perhaps related.

Ken W7EKB

32330. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 17:43:12 UTC
From: Todd F. Carney / K7TFC
Topic: 32327 Message: 32330

On Sat, May 3, 2014 at 5:07 PM, Kenneth G. Gordon <kgordon2006@frontier.com>
wrote:

> I am 100% certain that the problem is NOT the coils in the coax, but some other
> problem, perhaps related.

Make that 110% certain. Only the shielding braid of the coax *might* act as an RF choke, depending on how small the coil was and how many turns. All the so-called "ugly baluns" in the world prove the signal on the center conductor is in no way affected by the coiling (except for some very-slight loss--undetectable by ear--owing to additional length.

I agree with Ken that you should check all your connections. You can also test the coax itself in various ways. The simplest is to use a clip lead to jumper between the center conductor and the cable-connector collar on one end and to read the DC resistance on the opposite end. For 100 feet, it should be right around 1 ohm (20AWG solid copper =~ 0.01 ohms/foot), though it could read a bit more depending on how solid you make your test connections. If you read much more than 1 ohm (say, 10 ohms), then something is screwy. If your meter reads open (infinite ohms), then the center conductor is broken somewhere along it length, or there's no or a poor connection at the plug on either (or even both!) end.

There are some sophisticated instruments that can pin-point a break along its length (Google: TDR), but if renewing the connections on the plugs (by replacing) doesn't fix the open reading, then you probably need to buy new cable. Keep the old, though, since there could be usable lengths you could use later (mobile installation, shack jumpers, etc.).

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

32331. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 18:21:10 UTC
From: Jon Ermels
Topic: 32327 Message: 32331

The best thing would be to shorten them. If you can't do that squeeze the coil together like a bow tie and tie it that way and try it.

73 de NØIGU
Jon
On Saturday, May 3, 2014 12:43 PM, Todd F. Carney / K7TFC <k7tfc@...> wrote:

>
>
> On Sat, May 3, 2014 at 5:07 PM, Kenneth G. Gordon <kgordon2006@...> wrote:
>I am 100% certain that the problem is NOT the coils in the coax, but some other problem, perhaps related.
>
>
>Make that 110% certain. Only the shielding braid of the coax *might* act as an RF choke, depending on how small the coil was and how many turns. All the so-called "ugly baluns" in the world prove the signal on the center conductor is in no way affected by the coiling (except for some very-slight loss--undetectable by ear--owing to additional length.
>
>
>I agree with Ken that you should check all your connections. You can also test the coax itself in various ways. The simplest is to use a clip lead to jumper between the center conductor and the cable-connector collar on one end and to read the DC resistance on the opposite end. For 100 feet, it should be right around 1 ohm (20AWG solid copper =~ 0.01 ohms/foot), though it could read a bit more depending on how solid you make your test connections. If you read much more than 1 ohm (say, 10 ohms), then something is screwy. If your meter reads open (infinite ohms), then the center conductor is broken somewhere along it length, or there's no or a poor connection at the plug on either (or even both!) end.
>
>
>There are some sophisticated instruments that can pin-point a break along its length (Google: TDR), but if renewing the connections on the plugs (by replacing) doesn't fix the open reading, then you probably need to buy new cable. Keep the old, though, since there could be usable lengths you could use later (mobile installation, shack jumpers, etc.).
>
>
>73,
>
>
>
>Todd
>----------
> K7TFC / Medford, Oregon, USA / CN82ni / UTC- 7 (P DT)
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32332. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 18:33:50 UTC
From: Mark Stern
Topic: 32327 Message: 32332

How about cutting excess and putting new end connection. Use excess for jumpers etc

Sent from my iPhone

> On May 3, 2014, at 12:48, "bartenderjim2002@yahoo.com" <bartenderjim2002@yahoo.com> wrote:
>
> Good morning all,
>
> Just a quick question for the group...In the last week or so I was forced to move my station from one room to another room which is closer to the antenna system. I have the Yaesu 897D...with a G5RV,jr and the MFJ-1622 vertical. I was running approximately 100' of coax from each antenna to the station. Now that it is closer I find I do not need this much cable. Right now I have the excess coiled up under the desk, however, when I turn on the radio and tune through the bands I am not receiving anything. I suspect it is the coiled cable that is not allowing me to receive. My question: Should I buy some smaller length of coax (funds are an issue as well) or just coil the excess outside at the fed point? Suggestions...thoughts....funny remarks....snide comments....I will read all but may not respond to all.
>
> Thanks for all you guys do.
>
> JamesM.
>
> KJ6FXA
>
>

32333. Re: [ham-antennas] Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 18:46:29 UTC
From: NICK LERRO
Topic: 32327 Message: 32333

I always get extra and make a choke at the feed point

From: Mark Stern
Sent: Saturday, May 03, 2014 2:33 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax length

How about cutting excess and putting new end connection. Use excess for jumpers etc

Sent from my iPhone

On May 3, 2014, at 12:48, "bartenderjim2002@..." <bartenderjim2002@yahoo.com> wrote:

Good morning all,

Just a quick question for the group...In the last week or so I was forced to move my station from one room to another room which is closer to the antenna system. I have the Yaesu 897D...with a G5RV,jr and the MFJ-1622 vertical. I was running approximately 100' of coax from each antenna to the station. Now that it is closer I find I do not need this much cable. Right now I have the excess coiled up under the desk, however, when I turn on the radio and tune through the bands I am not receiving anything. I suspect it is the coiled cable that is not allowing me to receive. My question: Should I buy some smaller length of coax (funds are an issue as well) or just coil the excess outside at the fed point? Suggestions...thoughts....funny remarks....snide comments....I will read all but may not respond to all.

Thanks for all you guys do.

JamesM.

KJ6FXA

32334. Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 21:06:57 UTC
From: <bartenderjim2002@...>
Topic: 32327 Message: 32334

Well 7 out of 7 can't be wrong..looks like I get do some cutting and soldering...I will end up with about 75' of one and 50' of the other. Thanks for the suggestions on checking for shorts and connections. I agree there may be a short somewhere because when I use the tuner I get a high SWR notification on the screen of the radio on all bands 40-6 (using both vertical and dipole) so I have some detective work to do.
I will post and let every one know what I found wrong and the fix for it. Sounds like part one will be to replace the connectors.
Thanks again everyone
73 & good DX to all
JamesM.
KJ6FXA

32335. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-03 21:32:33 UTC
From: DVC3565@...
Topic: 32327 Message: 32335

James: Sorry, I got in late on your post's, think I might have missed one.
1. How old is the coax? 2. Brand & model number of the coax? 3. How "tight" did you make the loops?
IF older (or cheaper) coax, and/or IF it was in a warm environment (hot shack, "smoker" shack-nicotine DOES do a real number on coax over time.) When you coiled it...it's possible the center conductor "migrated" thru the insulation to the shield. Easiest (and cheapest solution,) bring the coax in from the outside, measure what you need, and cut from the ANTENNA side of the coax. Put on NEW high quality PL 259's (white Teflon center insulator-NOT Radio Shack JUNK. Good connectors are about $5 each in my part of the US.) And your done! With no signal at the receiver, it sounds like the center conductor & the shield have "mated" somewhere in the cable. Try this: with receiver tuned to a some strong signal, (WWV 5.0 Mhz at night, 10 or 15 mhz in daytime.) Unscrew the coax from the back of your receiver. Now, just stick the center conductor in about 1/8 of an inch. Make sure nothing else touches! You should hear "something" unless the short is very close to the rig. The stronger the signal-the further away from the receiver towards the antenna your short is. This happens because you are making the coax become the antenna. (Much like the headphone cord becomes the antenna for the walkman's of a few years ago.) Now everybody wi-fi's the music to their cell, tablet, laptop, etc. Pulling a signal "out of the air" is a dying thing!
Just a few things for you to consider.
Do the receiver test FIRST. It's a bitch to solder new connector's onto BAD coax, THEN have to remove them and do it again.
Keep us posted here on what YOU find, and what YOU did. (And I still would like to know WHOSE coax & model number it is...could answer a LOT of question's.
Good Luck!
73.
Dave-KJ4PF

In a message dated 5/3/2014 5:07:02 P.M. Eastern Daylight Time, bartenderjim2002@... writes:

Well 7 out of 7 can't be wrong..looks like I get do some cutting and soldering...I will end up with about 75' of one and 50' of the other. Thanks for the suggestions on checking for shorts and connections. I agree there may be a short somewhere because when I use the tuner I get a high SWR notification on the screen of the radio on all bands 40-6 (using both vertical and dipole) so I have some detective work to do.

I will post and let every one know what I found wrong and the fix for it.
Sounds like part one will be to replace the connectors.
Thanks again everyone
73 & good DX to all
JamesM.

KJ6FXA

32336. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 01:03:08 UTC
From: James Murphy
Topic: 32327 Message: 32336

James: Sorry, I got in late on your post's, think I might have missed one. No problem. I don't think you missed too much. 1. How old is the coax? One length (goes to G5RV,jr is almost 2 years old. second length (going to vertical) is less than 6 months.

2. Brand & model number of the coax? Both lengths are RG8X . Neither have brand names on them. The oldest is a grey color with the following printed on it : 95-74400 RG8X 95% OEM/USA The second one (newest one) is black and has the following printed on it: CCI991020E118963-HRG8XMINI COAX17AWGTYPE CM(UL)AWM1854LL53149 CSA CMH FT1--686987 Both lengths are from Cable Experts company.

3. How "tight" did you make the loops? Coils are just standard 6-8 inch coils not real tight.

IF older (or cheaper) coax, and/or IF it was in a warm environment (hot shack, "smoker" shack-nicotine DOES do a real number on coax over time.) No no smoking in shack...standard Southern California weather with A/C on when needed (my shack is also my bedroom in a two bedroom apartment I share with one other person).

When you coiled it...it's possible the center conductor "migrated" thru the insulation to the shield. Easiest (and cheapest solution,) bring the coax in from the outside, measure what you need, and cut from the ANTENNA side of the coax. Put on NEW high quality PL 259's (white Teflon center insulator-NOT Radio Shack JUNK. Good connectors are about $5 each in my part of the US.) And your done! Yea...I pretty much figured out I was gonna have to do this...thanks :-)

With no signal at the receiver, it sounds like the center conductor & the shield have "mated" somewhere in the cable. Try this: with receiver tuned to a some strong signal, (WWV 5.0 Mhz at night, 10 or 15 mhz in daytime.) Unscrew the coax from the back of your receiver. Now, just stick the center conductor in about 1/8 of an inch. Make sure nothing else touches! You should hear "something" unless the short is very close to the rig. The stronger the signal-the further away from the receiver towards the antenna your short is. This happens because you are making the coax become the antenna. This is a test I never heard of and anxious to give it a try...sounds like an interesting way to test shorts when you don't have a lot of test equipment.

(Much like the headphone cord becomes the antenna for the walkman's of a few years ago.) I remember these...in fact my "smartphone " has an FM raido app that refuses to activate unless I plug in a headphone.

 Now everybody wi-fi's the music to their cell, tablet, laptop, etc. Pulling a signal "out of the air" is a dying thing! Yea...this is why I am anxious to figure this out so I can begin to "pull signals out of the air".
Just a few things for you to consider.
Do the receiver test FIRST. It's a bitch to solder new connector's onto BAD coax, THEN have to remove them and do it again.
Keep us posted here on what YOU find, and what YOU did. (And I still would like to know WHOSE coax & model number it is...could answer a LOT of question's.

Good Luck!
73.
Dave-KJ4PF
James W. Murphy
KJ6FXA

In a message dated 5/3/2014 5:07:02 P.M. Eastern Daylight Time,
bartenderjim2002@... writes:
Well 7 out of 7 can't be wrong..looks like I get do some cutting and soldering...I will end up with about 75' of one and 50' of the other. Thanks for the suggestions on checking for shorts and connections. I agree there may be a short somewhere because when I use the tuner I get a high SWR notification on the screen of the radio on all bands 40-6 (using both vertical and dipole) so I have some detective work to do.
>I will post and let every one know what I found wrong and the fix for it. Sounds like part one will be to replace the connectors.
>Thanks again everyone
>73 & good DX to all
>JamesM.
>KJ6FXA

32337. Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 01:19:24 UTC
From: <wb2aio@...>
Topic: 32327 Message: 32337

Hi James,
I would like to suggest you look elsewhere for your loss of signals. I seriously doubt it has anything to do with your coax. If nothing else has changed other than you now have some coiled up that used to run straight, it wouldn't affect things so drastically.
My thought is that in making this move, you did something to your rig that is the fault. Some control or function has been reset. It will probably something really simple/dumb:)
GL
Kathy, W2NK

32338. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 02:03:42 UTC
From: James Murphy
Topic: 32327 Message: 32338

Thanks Kathy,
Still thinking...and you are probably right in that, like most cases, it will probably turn out to be our old friend "Murphy" coming to call. The VHF/UHF part of the radio works great...just the HF portion that is dumbfounding me. Am going to be trying what Dave said in his post about testing the coax before cutting and resoldering on new connectors.
James W. Murphy
KJ6FXA

From: "wb2aio@yahoo.com" <wb2aio@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 6:19 PM
Subject: [ham-antennas] Re: Coax length

Hi James,
I would like to suggest you look elsewhere for your loss of signals. I seriously doubt it has anything to do with your coax. If nothing else has changed other than you now have some coiled up that used to run straight, it wouldn't affect things so drastically.
My thought is that in making this move, you did something to your rig that is the fault. Some control or function has been reset. It will probably something really simple/dumb:)
GL
Kathy, W2NK

32339. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 02:11:03 UTC
From: Alex Netherton
Topic: 32327 Message: 32339

Kathy probably has the answer, but try this; go to Radio Shack, Lowes, Home Depot, Ace, or another hardware and get a *Multitester *(analog, preferably) and turn it to the resistance scale (Ohms or Ω) check for a short circuit by touching one probe to the center conductor and the other to the shield/ground. The needle should not move. If it does, and goes across the scale, you have a short, and need to get to work on your coax.
73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Sat, May 3, 2014 at 10:03 PM, James Murphy <bartenderjim2002@...>wrote:

>
>
> Thanks Kathy,
> Still thinking...and you are probably right in that, like most cases, it
> will probably turn out to be our old friend "Murphy" coming to call. The
> VHF/UHF part of the radio works great...just the HF portion that is
> dumbfounding me. Am going to be trying what Dave said in his post about
> testing the coax before cutting and resoldering on new connectors.
> James W. Murphy
> KJ6FXA
>
> *From:* "wb2aio@..." <wb2aio@...>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Saturday, May 3, 2014 6:19 PM
> *Subject:* [ham-antennas] Re: Coax length
>
> Hi James,
> I would like to suggest you look elsewhere for your loss of signals. I
> seriously doubt it has anything to do with your coax. If nothing else has
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> My thought is that in making this move, you did something to your rig that
> is the fault. Some control or function has been reset. It will probably
> something really simple/dumb:)
> GL
> Kathy, W2NK
>
>
>

32340. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 02:35:06 UTC
From: James Murphy
Topic: 32327 Message: 32340

Thanks Alex,
I already have a couple of those. And that will be my project in the morning....in between making breakfast, taking the wife to work and NASCAR in the AM. But as we all know...this is a hobby...and we must not shufff off our responsibilities regarding family. Besides...happy wife...happy life....and allowance to buy more radios....LOL.
Seriously, thanks to all. Will post results as they occur.
James W. Murphy
KJ6FXA

From: Alex Netherton <anetherton@gmail.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 7:11 PM
Subject: Re: [ham-antennas] Re: Coax length

Kathy probably has the answer, but try this; go to Radio Shack, Lowes, Home Depot, Ace, or another hardware and get a Multitester (analog, preferably) and turn it to the resistance scale (Ohms or Ω) check for a short circuit by touching one probe to the center conductor and the other to the shield/ground. The needle should not move. If it does, and goes across the scale, you have a short, and need to get to work on your coax.
73
Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)
On Sat, May 3, 2014 at 10:03 PM, James Murphy <bartenderjim2002@...> wrote:

>
>Thanks Kathy,
>Still thinking...and you are probably right in that, like most cases, it will probably turn out to be our old friend "Murphy" coming to call. The VHF/UHF part of the radio works great...just the HF portion that is dumbfounding me. Am going to be trying what Dave said in his post about testing the coax before cutting and resoldering on new connectors.
>James W. Murphy
>KJ6FXA
>
>
> From: "wb2aio@..." <wb2aio@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, May 3, 2014 6:19 PM
>Subject: [ham-antennas] Re: Coax length
>
>
>
>Hi James,I would like to suggest you look elsewhere for your loss of signals. I seriously doubt it has anything to do with your coax. If nothing else has changed other than you now have some coiled up that used to run straight, it wouldn't affect things so drastically. My

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32341. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 02:49:27 UTC
From: dalecole3502@...
Topic: 32327 Message: 32341

For my 2 cents:
1. When you changed rooms, you probably unplugged the radio, and perhaps lost all your settings.
2. When I made my last move, (from Indiana to Michigan), the radio got bumped somehow--causing my RF gain control to close.
Just some thoughts from on old geezer, should not be taken seriously, by any sain person.
Dale K8TS

----- Original Message -----

From: "James Murphy" <bartenderjim2002@...m>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 10:35:06 PM
Subject: Re: [ham-antennas] Re: Coax length

Thanks Alex,
I already have a couple of those. And that will be my project in the morning....in between making breakfast, taking the wife to work and NASCAR in the AM. But as we all know...this is a hobby...and we must not shufff off our responsibilities regarding family. Besides...happy wife...happy life....and allowance to buy more radios....LOL.
Seriously, thanks to all. Will post results as they occur.
James W. Murphy
KJ6FXA

From: Alex Netherton <anetherton@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 7:11 PM
Subject: Re: [ham-antennas] Re: Coax length

Kathy probably has the answer, but try this; go to Radio Shack, Lowes, Home Depot, Ace, or another hardware and get a Multitester (analog, preferably) and turn it to the resistance scale (Ohms or Ω) check for a short circuit by touching one probe to the center conductor and the other to the shield/ground. The needle should not move. If it does, and goes across the scale, you have a short, and need to get to work on your coax.
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Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)
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James W. Murphy
KJ6FXA

From: " wb2aio@yahoo.com " < wb2aio@... >
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 6:19 PM
Subject: [ham-antennas] Re: Coax length

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32342. Re: [ham-antennas] Re: Coax length

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 03:47:43 UTC
From: James Murphy
Topic: 32327 Message: 32342

Thanks Dale,
No I checked the memories and they are all there. The settings are all as they were when unplugged. It is the HF band that seems to not receive...the VHF/UHF receives just fine.
James W. Murphy
KJ6FXA

From: "dalecole3502@..." <dalecole3502@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 7:49 PM
Subject: Re: [ham-antennas] Re: Coax length

For my 2 cents:

1. When you changed rooms, you probably unplugged the radio, and perhaps lost all your settings.
2. When I made my last move, (from Indiana to Michigan), the radio got bumped somehow--causing my RF gain control to close.
Just some thoughts from on old geezer, should not be taken seriously, by any sain person.
Dale K8TS

From: "James Murphy" <bartenderjim2002@yahoo.com>To: ham-antennas@yahoogroups.comSent: Saturday, May 3, 2014 10:35:06 PMSubject: Re: [ham-antennas] Re: Coax length

Thanks Alex,
I already have a couple of those. And that will be my project in the morning....in between making breakfast, taking the wife to work and NASCAR in the AM. But as we all know...this is a hobby...and we must not shufff off our responsibilities regarding family. Besides...happy wife...happy life....and allowance to buy more radios....LOL.
Seriously, thanks to all. Will post results as they occur.
James W. Murphy
KJ6FXA

From: Alex Netherton <anetherton@...>
To: ham-antennas@yahoogroups.com
Sent: Saturday, May 3, 2014 7:11 PM
Subject: Re: [ham-antennas] Re: Coax length

Kathy probably has the answer, but try this; go to Radio Shack, Lowes, Home Depot, Ace, or another hardware and get a Multitester (analog, preferably) and turn it to the resistance scale (Ohms or Ω) check for a short circuit by touching one probe to the center conductor and the other to the shield/ground. The needle should not move. If it does, and goes across the scale, you have a short, and need to get to work on your coax.
73
Alex Netherton

http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)
On Sat, May 3, 2014 at 10:03 PM, James Murphy <bartenderjim2002@...>wrote:

>
>
>
>
>
>Thanks Kathy,
>Still thinking...and you are probably right in that, like most cases, it will probably turn out to be our old friend "Murphy" coming to call. The VHF/UHF part of the radio works great...just the HF portion that is dumbfounding me. Am going to be trying what Dave said in his post about testing the coax before cutting and resoldering on new connectors.
>James W. Murphy
>KJ6FXA
>
>
>
>From: "wb2aio@..." <wb2aio@...>
>To: ham-antennas@yahoogroups.com
>Sent: Saturday, May 3, 2014 6:19 PM
>Subject: [ham-antennas] Re: Coax length
>
>
>
>Hi James,I would like to suggest you look elsewhere for your loss of signals. I seriously doubt it has anything to do with your coax. If nothing else has changed other than you now have some coiled up that used to run straight, it wouldn't affect things so drastically. My thought is that in making this move, you did something to your rig that is the fault. Some control or function has been reset. It will probably something really simple/dumb:)GLKathy, W2NK
>
>

32343. Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 06:03:46 UTC
From: mikerodgerske5gbc@...
Topic: 32287 Message: 32343

What I do is use a similar block on the window but run the coax straight thru with a sliding block with cut outs for the coax.

73
Mike R

PS I've also found the analyzer at times does not 100% agree with the cross needle wattmeter.

Check out the QRZ app

32344. Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 06:10:26 UTC
From: mikerodgerske5gbc@...
Topic: 32287 Message: 32344

Barrel connectors,adapters,right angle adapters do have a impedance bump.

73
Mike R

Check out the QRZ app

32345. Loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 06:42:55 UTC
From: jc_2aussie
Topic: 10944 Message: 32345

Thanks for all the advice and replies to my question, I will be setting up a single loop , fed with open wire feeder, to a tuner and 4:1balun, ffor broad band use.

Happily I have 3 extension pipe masts and a boat mast for the 4th cnr, which should give me an antenna height of about 7meters.

The antenna will be made from 1.5mm sq insulated multi strand wire , which is used in 15amp 240 extension leads over here , I have found that this wire while not the lightest, lasts for years , and with stands the elements quiet well.

The total length should be in the region of 45 to 5ometers 140 t o 155 ft at about 23ft above the ground.

Be another week until I can get to getting it orginized due to renovations in the house.

Cheers & thanks
VK4FNRS
JEFF

Sent from Samsung tablet

32346. Re: [ham-antennas] Re: New Antenna Measurement Question

Yahoo group: ham-antennas (2014)
Date: 2014-05-04 12:26:55 UTC
From: Ray LaRue
Topic: 32287 Message: 32346

After many years of professional lab grade testing of cables, connectors, etc., with quality test equipment, I conclude:

Don't get to bothered about impedance "bumps" at HF frequencies. For most connectors/cables of reasonable quality, it is minimal and can be ignored. Even at VHF frequencies, it's not normally enough of a problem to worry about.
Ray, W4BYG

On 5/4/2014 2:10 AM, mikerodgerske5gbc@... wrote:
>
> Barrel connectors,adapters,right angle adapters do have a impedance bump.
>
> 73
> Mike R
>
> Check out the QRZ app
>
>

32347. Connectors - N VS 259

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 12:38:46 UTC
From: Scott Myers
Topic: 32287 Message: 32347

Starting new thread.

Agreed! The impedance bump is so small that you'll not see it in the grand scope of all the feed line.

I've swapped out to mostly N-connectors where I can (especially outside) not because I am worried about impedance bumps. Rather, I care more about keeping moisture out of the connection and a good electrical contact that I am 100% positive is good over time. There is never any question that an N-Connectors is making solid contact once you feel the silicone seal touch and compress. On 259's, I don't know how many times I've had bad barrel thread engagement and had to rely on channel locks to make sure the ground side was tight. And the slip fit and potential for a solder bump on the center pin of a 259 is also other areas of potential problem for a bad connection.

I still weather seal even an N-connector with silicone tape even though it is much more weather tight than 259/239 interfaces.

But, the N-connectors are quite a bit more pricey and have a lot more parts to deal with. 259's and 239's still work, they are just more prone to a weak connection. I still have a lot of 259's hanging around in the shack because all of the equipment still uses it.

But I have settled on all Amphenol 259's and Teflon insulation. I've had trouble with fit and threads on the no-name brands.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of Ray LaRue
Sent: Sunday, May 04, 2014 8:27 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: New Antenna Measurement Question

After many years of professional lab grade testing of cables, connectors, etc., with quality test equipment, I conclude:

Don't get to bothered about impedance "bumps" at HF frequencies. For most connectors/cables of reasonable quality, it is minimal and can be ignored. Even at VHF frequencies, it's not normally enough of a problem to worry about.
Ray, W4BYG

On 5/4/2014 2:10 AM, mikerodgerske5gbc@... wrote:

Barrel connectors,adapters,right angle adapters do have a impedance bump.

73
Mike R

Check out the QRZ app

32348. Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 17:27:48 UTC
From: <rolandbrade@...>
Topic: 32348 Message: 32348

Recently I obtained a Hy-Gain CD-4511 but it only had the facia plate that stopped at south.
I wonder if anyone has the other facia that stops at North.
A scan of the plate would be a great help, then I could make my own.
Many thanks
Roley G3VIR
roland@brade.com

32349. Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 17:40:52 UTC
From: Joe Dube
Topic: 32348 Message: 32349

Roley I had that rotor some time back and mine had the other facia plate on the back side of the one like you have. Maybe if you cafefully take it off , the one you are loooking for will be on the back side of that one as well???

Joe Dube K4TR
K4TR Antenna Mfg & Sales
www.k4tr.com
352-232-0281

----- Original Message -----
From: rolandbrade@...
To: ham-antennas@yahoogroups.com
Sent: Monday, May 05, 2014 1:27 PM
Subject: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Recently I obtained a Hy-Gain CD-4511 but it only had the facia plate that stopped at south.

I wonder if anyone has the other facia that stops at North.

A scan of the plate would be a great help, then I could make my own.

Many thanks

Roley G3VIR

roland@...

32350. Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 17:53:14 UTC
From: <rolandbrade@...>
Topic: 32348 Message: 32350

Thanks Joe, but the person I got the rotator from told me he had lost the other plate!
However I will try what you said tomorrow.
many thanks for your input
Roley G3VIR

32351. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 18:55:06 UTC
From: Adrian Flynn
Topic: 31579 Message: 32351

Well I know this is very old now but I just found it in my inbox again.
(Ask the WWW I have no idea why)
Back in the *ancient *days of Amateur radio *(1964)* when I had my novice
call KN7SVA
the rule book stated *200' maximum height above terrain!*
Since I got back into it in 2009 I have not paid attention to
antenna height regulations
as I do not have the money to go more than 50' push up if that much.

I was just surprised by it and could find no information on when it had
been changed.

73/73
Adrian KF7DYU

On Mon, Mar 10, 2014 at 9:23 AM, Joe <nss@...> wrote:

> Thats what I also thought. It did not limit you to less than 200 feet.
> It just made you tell people about it if it was over 200 feet. which then
> led to extra stuff like the old red & white paint and lights and all the
> headaches involved with that. I remember many a ham that stopped with18 or
> 19 sections of tower all the time. he he he
>
> Joe WB9SBD
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 3/9/2014 2:59 PM, Chris Boone wrote:
>
> Well, "there is" a 200 foot rule..at least one in Part 97, but it does not restrict you
to 200 ft max.
>
> Chris
> WB5ITT
>
> §97.15 Station antenna structures.
> (a) Owners of certain antenna structures more than 60.96 meters (200 feet) above ground
level at the site or located near or at a public use airport must notify the Federal
Aviation Administration and register with the Commission as required by part 17 of this
chapter.
>
> ------------------------------
> ----------------
>

> Never was a 200ft rule .....
>
>
>
>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Yahoo Groups Links
>
>
>
>
>
>
>

[Non-text portions of this message have been removed]

32352. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 19:24:09 UTC
From: bcarling@...
Topic: 31579 Message: 32352

Adrian - it would be interesting to know. Yes there was another rule we had to learn too - that
you couldn't erect any antenna over a certain height if you were within X00 yards of an airport, if I remember correctly.

Does anyone know what the correct FCC rules are nowadays?

Bry, AF4K

On 5 May 2014 at 14:55, Adrian Flynn wrote:

>
>
> Well I know this is very old now but I just found it in my inbox again.
> (Ask the WWW I have no idea why)
> Back in the *ancient *days of Amateur radio *(1964)* when I had my novice
> call KN7SVA
> the rule book stated *200' maximum height above terrain!*
> Since I got back into it in 2009 I have not paid attention to
> antenna height regulations
> as I do not have the money to go more than 50' push up if that much.
>
> I was just surprised by it and could find no information on when it had
> been changed.
>
> 73/73
> Adrian KF7DYU
>
> On Mon, Mar 10, 2014 at 9:23 AM, Joe <nss@...> wrote:
>
> > Thats what I also thought. It did not limit you to less than 200 feet.
> > It just made you tell people about it if it was over 200 feet. which then
> > led to extra stuff like the old red & white paint and lights and all the
> > headaches involved with that. I remember many a ham that stopped with18 or
> > 19 sections of tower all the time. he he he
> >
> > Joe WB9SBD
> >
> > The Original Rolling Ball Clock
> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
> > On 3/9/2014 2:59 PM, Chris Boone wrote:
> >
> > Well, "there is" a 200 foot rule..at least one in Part 97, but it does not restrict you to 200 ft max.

> >
> > Chris
> > WB5ITT
> >
> > §97.15 Station antenna structures.
> > (a) Owners of certain antenna structures more than 60.96 meters (200 feet) above ground level
> at the site or located near or at a public use airport must notify the Federal Aviation Administration
> and register with the Commission as required by part 17 of this chapter.
> >
> > ----------
> > ----------
> >
> > Never was a 200ft rule .....
> >
> >
> >
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336
> members (as of 02/16/13). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > Yahoo Groups Links
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>
> [Non-text portions of this message have been removed]
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>
>

32353. Re: [ham-antennas] Re: tree antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 19:27:15 UTC
From: KA4INM
Topic: 31579 Message: 32353

On 05/05/14 14:55, Adrian KF7DYU Flynn wrote:

> Well I know this is very old now but I just found it in my inbox again.
> (Ask the WWW I have no idea why)
> Back in the *ancient *days of Amateur radio *(1964)* when I had my novice
> call KN7SVA
> the rule book stated *200' maximum height above terrain!*
> Since I got back into it in 2009 I have not paid attention to
> antenna height regulations
> as I do not have the money to go more than 50' push up if that much.
>
> I was just surprised by it and could find no information on when it had
> been changed.

Nothing has changed except for the arrangements of the rules,
referring you elsewhere.

If you wish to install an antenna support that tops out at 200 feet
AGL or more you must get FAA clearance, seldom given to HAMs alone, you
can mount your antenna on any existing support structure of any height
that already has FAA clearance.
If you get permission to install a 400 foot tall tower for your
commercial FM radio station, you can put any HAM antenna on it
(anywhere) as long as it doesn't increase the structure's height.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32354. AW: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 19:28:18 UTC
From: siegfried jackstien
Topic: 32348 Message: 32354

Scan it with a flatbed scanner

Edit with a "paint" software

Print out (I have seen silver paper for greeting cards)

Ready to use ... maybe add some protective paint

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Im
> Auftrag von rolandbrade@...
> Gesendet: Montag, 5. Mai 2014 17:53
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted
>
>
>
> Thanks Joe, but the person I got the rotator from told me he had lost the
> other plate!
>
> However I will try what you said tomorrow.
>
> many thanks for your input
>
> Roley G3VIR
>
>
>

32355. Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 20:11:59 UTC
From: Joe Dube
Topic: 32348 Message: 32355

No problem Roley. ike I said it should be on the flip side of the one that is on there. They sold those things all over the world including the southern hemisphere. Maybe you have one of ythe ones that is like the one I had. Good luck .

Joe Dube K4TR
K4TR Antenna Mfg & Sales
www.k4tr.com
352-232-0281

----- Original Message -----
From: rolandbrade@...
To: ham-antennas@yahoogroups.com
Sent: Monday, May 05, 2014 1:53 PM
Subject: Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Thanks Joe, but the person I got the rotator from told me he had lost the other plate!

However I will try what you said tomorrow.

many thanks for your input

Roley G3VIR

32356. Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 20:29:43 UTC
From: Richard Solomon
Topic: 32348 Message: 32356

Turn it over ... Some of them had the face on both sides.

73, Dick, W1KSZ

On Mon, May 5, 2014 at 10:27 AM, <rolandbrade@...> wrote:

>
>
> Recently I obtained a Hy-Gain CD-4511 but it only had the facia plate that
> stopped at south.
>
> I wonder if anyone has the other facia that stops at North.
>
> A scan of the plate would be a great help, then I could make my own.
>
> Many thanks
>
> Roley G3VIR
>
> roland@...
>
>
>
>
>

32357. Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 21:04:41 UTC
From: <rolandbrade@...>
Topic: 32348 Message: 32357

I have been in touch with the chap I got it from and he said he did have 2 fascia and there was nothing on the other side when he took it apart and changed it for the South fascia.
That's interesting, so still looking for a copy!
Roley G3VIR

---In ham-antennas@yahoogroups.com, <dickw1ksz@...> wrote :

Turn it over ... Some of them had the face on both sides.

73, Dick, W1KSZ

On Mon, May 5, 2014 at 10:27 AM, <rolandbrade@... mailto:rolandbrade@...> wrote:

Recently I obtained a Hy-Gain CD-4511 but it only had the facia plate that stopped at south.
I wonder if anyone has the other facia that stops at North.
A scan of the plate would be a great help, then I could make my own.
Many thanks
Roley G3VIR
roland@... mailto:roland@...

32358. RE: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

Yahoo group: ham-antennas (2014)
Date: 2014-05-05 22:37:45 UTC
From: Richard Schmuke
Topic: 32348 Message: 32358

Several years ago I built a power supply for a 4-1000 and made custom meter faces with a program call GIMP, it is still around today and it is free.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of rolandbrade@...
Sent: Monday, May 05, 2014 4:05 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain Rotator CD-4511 Facia Plate Wanted

I have been in touch with the chap I got it from and he said he did have 2 fascia and there was nothing on the other side when he took it apart and changed it for the South fascia.

That's interesting, so still looking for a copy!

Roley G3VIR

---In ham-antennas@yahoogroups.com, <dickw1ksz@...> wrote :

Turn it over ... Some of them had the face on both sides.

73, Dick, W1KSZ

On Mon, May 5, 2014 at 10:27 AM, <rolandbrade@...> wrote:

Recently I obtained a Hy-Gain CD-4511 but it only had the facia plate that stopped at south.

I wonder if anyone has the other facia that stops at North.

A scan of the plate would be a great help, then I could make my own.

Many thanks

Roley G3VIR

roland@...

32359. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-05-08 17:09:01 UTC
From: Bob Richie
Topic: 32359 Message: 32359

Last Saturday I put up an 80 meter loop nominally 20 feet above ground. It tuned all the usual suspects (all except 30 and 60 meters) with the built in tuner on a Kenwood TS 480 or an LDG Z100 autotuner. My first contact was
Somalia and Monday morning I had a strong contact with Finland.. Both contacts were on 17 meters. On Tuesday I could not get the antenna to tune on the bands below 15 meters and my MFJ 259 showed SWR to be 2.5:1 to just less than 3:1. The antenna consists of 300'+ of insulated 14 ga insulated copper wire attached to a 1.5:1 balun fed with 20' +/- of coax. All connections are tight. Any ideas as to what made the antenna go from hot to not?

Bob

K5YB
Kerrville, TX 78028

32360. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-05-08 18:12:17 UTC
From: Rfnut
Topic: 32359 Message: 32360

I would suspect if it rained you have water in your coax.. Had it happen recently so thought I would throw that in.
de KB5LBO
On Thursday, May 8, 2014 1:09 PM, Bob Richie <bob.k5yb@...> wrote:

Last Saturday I put up an 80 meter loop nominally 20 feet above ground. It tuned all the usual suspects (all except 30 and 60 meters) with the built in tuner on a Kenwood TS 480 or an LDG Z100 autotuner. My first contact was
Somalia and Monday morning I had a strong contact with Finland.. Both contacts were on 17 meters. On Tuesday I could not get the antenna to tune on the bands below 15 meters and my MFJ 259 showed SWR to be 2.5:1 to just less than 3:1. The antenna consists of 300'+ of insulated 14 ga insulated copper wire attached to a 1.5:1 balun fed with 20' +/- of coax. All connections are tight. Any ideas as to what made the antenna go from hot to not?

Bob

K5YB
Kerrville, TX 78028

32361. Need Amp Supply AT-3000 Tuner or Panel Overlay

Yahoo group: ham-antennas (2014)
Date: 2014-05-08 20:39:11 UTC
From: Gary H. Harmon, Jr.
Topic: 32361 Message: 32361

A good friend is looking for either an Amp Supply AT-3000 tuner or one of the overlays that turned a Heathkit SA-2060 into an Amp Supply.

73,

Gary H. Harmon, Jr. - K5JWK - Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

"Too Many Projects, Not Enough Time"

http://www.grissomroadcoc.org

32362. Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-09 04:18:07 UTC
From: <email4utoo@...>
Topic: 32359 Message: 32362

Like to see a pic. of your 80mloop, what config. is your Balun, if sealed in pvc does it have enough drain holes at bottom? 73s AJ KF5ZYB

32363. RE: [ham-antennas] Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-09 11:32:57 UTC
From: Richard Schmuke
Topic: 32359 Message: 32363

Good point about the balun and condensation . The first ones I made were PVC pipe caps and sealed all around, 2 years later they drew moisture. Now I used a PVC box w/gasket and leave one screw hole in the bottom SO-239 open.

http://i1102.photobucket.com/albums/g453/KD0ZZ/SWRTest-1.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] On Behalf Of email4utoo@...
Sent: Thursday, May 08, 2014 11:18 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: ham-antennas

Like to see a pic. of your 80mloop, what config. is your Balun, if sealed in pvc does it have enough drain holes at bottom? 73s AJ KF5ZYB

[Non-text portions of this message have been removed]

32364. need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 13:18:21 UTC
From: email4utoo@...
Topic: 32364 Message: 32364

Hi guys , need some ideas and advice, want to work a QRP contest with 4SQRP tonight , supposed to be TSTORMs , have Metal roof, would an Antenna put up in the attic work ? Have anyone heard about this challenge ? Would or could it radiate better out of the sides with no metal ,(just metal Vent at both ends), ? Am i better off using a loop inside ? 40 meters-10 , have a portable dipole i put together and it tunes up well , have not used it in a QSO yet. Appreciate your help, AJ - oh yeah my call has Changed to W5HEH-
was my Uncle's call sign, He was in Radio in the Navy, and became an Electronic Engineer , he mentored me and had Big Boat Anchors that lit up well . Man were they Heavy ! hihi.wish i still had them .

32365. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 14:10:30 UTC
From: Geoff NW7GM
Topic: 32364 Message: 32365

I think that any attic antenna with your metal roof will do very poorly
because of the coupling/detuning that will happen.

Geoff, NW7GM
Seattle, WA
CN87tr
On May 11, 2014 6:18 AM, "email4utoo@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi guys , need some ideas and advice, want to work a QRP contest with
> 4SQRP tonight , supposed to be TSTORMs , have Metal roof, would an Antenna
> put up in the attic work ? Have anyone heard about this challenge ? Would
> or could it radiate better out of the sides with no metal ,(just metal Vent
> at both ends), ? Am i better off using a loop inside ? 40 meters-10 , have
> a portable dipole i put together and it tunes up well , have not used it in
> a QSO yet. Appreciate your help, AJ - oh yeah my call has Changed to W5HEH-
> was my Uncle's call sign, He was in Radio in the Navy, and became an
> Electronic Engineer , he mentored me and had Big Boat Anchors that lit up
> well . Man were they Heavy ! hihi.wish i still had them .
>
>
>
>

32366. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 14:14:45 UTC
From: Artek Manuals
Topic: 32364 Message: 32366

I agree with Geoff and an antenna in the attic under the metal roof is
unlikely to work very wel, OR

At QRP power levels I would be tempted to try actually loading the metal
roof itself :-)

Or use it as a "top hat" for a vertical radiator

Dave
NR1DX

On 5/11/2014 9:10 AM, Geoff NW7GM geoff.nw7gm@... [ham-antennas]
wrote:
>
> I think that any attic antenna with your metal roof will do very
> poorly because of the coupling/detuning that will happen.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On May 11, 2014 6:18 AM, "email4utoo@...
> <mailto:email4utoo@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> ?
>
> Hi guys , need some ideas and advice, want to work a QRP contest
> with 4SQRP tonight , supposed to be TSTORMs , have Metal roof,
> would an Antenna put up in the attic work ?? Have anyone heard
> about this challenge ? Would or could it radiate better out of the
> sides with no metal ,(just metal Vent at both ends), ?? Am i
> better off using a loop inside ? 40 meters-10 , have a portable
> dipole i put together and it tunes up well , have not used it in a
> QSO yet.? Appreciate your help, AJ - oh yeah my call has Changed
> to W5HEH-
> ? was my Uncle's call sign, He? was in Radio in the Navy, and
> became an Electronic Engineer , he mentored me and had Big Boat
> Anchors that lit up well . Man were they Heavy ! hihi.wish i still
> had them .
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32367. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 14:16:48 UTC
From: Billy McFarland
Topic: 32364 Message: 32367

I can mind having a QSO with a v78 or similar call in the Caribbean who was using a vertical antenna and the tin roof as a ground. Boy did it work great.

73 Billy
GM0OBX
SKCC# 12202

32368. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 14:20:19 UTC
From: Geoff NW7GM
Topic: 32364 Message: 32368

He could try to load the roof but there's no way to tell how well one panel
is bonded to the next.

Geoff, NW7GM
Seattle, WA
CN87tr
On May 11, 2014 7:14 AM, "Artek Manuals nr1dx@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I agree with Geoff and an antenna in the attic under the metal roof is
> unlikely to work very wel, OR
>
> At QRP power levels I would be tempted to try actually loading the metal
> roof itself :-)
>
> Or use it as a "top hat" for a vertical radiator
>
> Dave
> NR1DX
>
>
>
>
> On 5/11/2014 9:10 AM, Geoff NW7GM geoff.nw7gm@... [ham-antennas]
> wrote:
>
>
>
> I think that any attic antenna with your metal roof will do very poorly
> because of the coupling/detuning that will happen.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
> On May 11, 2014 6:18 AM, "email4utoo@yahoo.com [ham-antennas]" <
> ham-antennas@yahoogroups.com> wrote:
>
>> Â
>>
>> Hi guys , need some ideas and advice, want to work a QRP contest with
>> 4SQRP tonight , supposed to be TSTORMs , have Metal roof, would an Antenna
>> put up in the attic work ?Â Have anyone heard about this challenge ? Would
>> or could it radiate better out of the sides with no metal ,(just metal Vent

>> at both ends), ?Â Am i better off using a loop inside ? 40 meters-10 ,
>> have a portable dipole i put together and it tunes up well , have not used
>> it in a QSO yet.Â Appreciate your help, AJ - oh yeah my call has Changed
>> to W5HEH-
>> Â was my Uncle's call sign, HeÂ was in Radio in the Navy, and became an
>> Electronic Engineer , he mentored me and had Big Boat Anchors that lit up
>> well . Man were they Heavy ! hihi.wish i still had them .
>>
>>
>>
>
> --
> DaveManuals@ArtekManuals.comwww.ArtekManuals.com
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

32369. Aluminum Tubing Coating

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 21:29:56 UTC
From: w6jhb@...
Topic: 32369 Message: 32369

In my previous (working) life we had a Moseley Pro96 monster antenna on a tower on top of an 11 story building in downtown Oakland, CA. It was part of our ham club's antenna system. We were located only a few blocks away from SF Bay and the salt air tended to corrode outside metal fairly fast. So, when we mounted the Pro96, we used Penetrox A on the slip joints and to protect the exposed aluminum element parts, we coated everything with Flood's Penetrol. I also used it on a Hustler 5BTV I had roof mounted at my home in Martinez.

I moved to Folsom four years ago and am now preparing to build and install a quarter wave vertical for 30 meters. I can get the Penetrox A locally, but it appears the the air quality Gestapo out west has outlawed Penetrol. If you look at it on Amazon.com you'll see that it can be purchased there, but not shipped to AK, CA, or HI. That's just wonderful.

Does anyone on this reflector have any ideas what a good replacement for Penetrol might be that I can use to coat my exposed aluminum tubing. Although we don't have the salt air to deal with here in Folsom, I think it's still a good idea to give that aluminum a coat of some sort…..

Jim / W6JHB

32370. como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 21:30:10 UTC
From: Craig Palmer KF5JYZ
Topic: 32370 Message: 32370

The old grouch has .5km of surplas como wire on sale for $39.95.

Craig

32371. Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 22:01:53 UTC
From: Billy McFarland
Topic: 32370 Message: 32371

Can anyone identify the mag mount and body bonding pad in this video. I thought it was a diamond but can't find this for sale anywhere.

Any help would be good.

http://m.youtube.com/watch?v=OPR8PgQDuxg#

73 Billy
GM0OBX
SKCC# 12202

32372. Re: [ham-antennas] Aluminum Tubing Coating

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 22:14:54 UTC
From: Todd F. Carney / K7TFC
Topic: 32369 Message: 32372

After adjusting, tuning, pruning, and no-ox'ing slip-joints on my antennas, I paint them with black Rustoleum. I prefer them black anyway, and Rustoleum was made to protect metal. I might add that air quality is more important than preventing corrosion on hobby antennas, especially when there's lots of alternatives.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Sun, May 11, 2014 at 9:29 PM, w6jhb@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> In my previous (working) life we had a Moseley Pro96 monster antenna on a
> tower on top of an 11 story building in downtown Oakland, CA. It was part
> of our ham club's antenna system. We were located only a few blocks away
> from SF Bay and the salt air tended to corrode outside metal fairly fast.
> So, when we mounted the Pro96, we used Penetrox A on the slip joints and to
> protect the exposed aluminum element parts, we coated everything with
> Flood's Penetrol. I also used it on a Hustler 5BTV I had roof mounted at my
> home in Martinez.
>
>
> I moved to Folsom four years ago and am now preparing to build and install
> a quarter wave vertical for 30 meters. I can get the Penetrox A locally,
> but it appears the the air quality Gestapo out west has outlawed Penetrol.
> If you look at it on Amazon.com you'll see that it can be purchased there,
> but not shipped to AK, CA, or HI. That's just wonderful.
>
>
> Does anyone on this reflector have any ideas what a good replacement for
> Penetrol might be that I can use to coat my exposed aluminum tubing.
> Although we don't have the salt air to deal with here in Folsom, I think
> it's still a good idea to give that aluminum a coat of some sort…..
>
>

> Jim / W6JHB
>
>
>

32373. Re: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 23:21:47 UTC
From: KA4INM
Topic: 32370 Message: 32373

On 05/11/14 18:01, Billy McFarland gm0obx@...:

> Can anyone identify the mag mount and body bonding pad in this video. I
> thought it was a diamond but can't find this for sale anywhere.

> Any help would be good.

> http://m.youtube.com/watch?v=OPR8PgQDuxg#

Why don't you ask "DG2IAQ" he seems to be the person that posted it.
Looks Europe to me.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32374. Re: [ham-antennas] Aluminum Tubing Coating

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 23:26:49 UTC
From: w6jhb@...
Topic: 32369 Message: 32374

Todd,

Thanks for the tip on using Rustoleum on the bare metal. Our local Ace Hardware has some spray paint in green, black, and brown tones sold as "camouflage paint" - I've used it on some PVC antenna projects in the past. With any luck it'll be a Rustoleum product and I can use the same stuff. I "hid" a 144MHz 5/4 wave PVC vertical and some spreaders for an 80 meter Inverted L folded counterpoise using it and the results were very impressive.

And I agree that air quality is important. However, the amount of pollution given off be a few hobbyists protecting some aluminum is so very, very minute compared to the amount of crap put in the air by cars, buses, and trucks. If the Air Quality people really wanted to clean up the air, they are aiming at the wrong target. Ever follow some disgusting fume-belching semi through town? THAT is the stuff that needs to be addressed, not a few folks trying to thin out paint or coat aluminum. If it were only allowed to be sold in pint containers that would have helped, but instead the entire population has had it taken away.

32375. Re: [ham-antennas] Aluminum Tubing Coating

Yahoo group: ham-antennas (2014)
Date: 2014-05-11 23:43:17 UTC
From: Original Woodchuck
Topic: 32369 Message: 32375

On Sun, May 11, 2014 at 02:29:56PM -0700, w6jhb@... [ham-antennas] wrote:

>
> I moved to Folsom four years ago and am now preparing to build and install a quarter wave vertical for 30 meters. I can get the Penetrox A locally, but it appears the the air quality Gestapo out west has outlawed Penetrol. If you look at it on Amazon.com you'll see that it can be purchased there, but not shipped to AK, CA, or HI. That's just wonderful.

Yeah. The shipping to AK and HI is verboten because of air shipment.
To CA, it's because of religious rules.

> Does anyone on this reflector have any ideas what a good replacement for Penetrol might be that I can use to coat my exposed aluminum tubing. Although we don't have the salt air to deal with here in Folsom, I think it's still a good idea to give that aluminum a coat of some sort…..

Well, the MSDS for Flood's suggests that it is polymerized linseed
oil diluted with Stoddard solvent and naphtha (both essentially paint
thinner), so you could make a reasonable approximation by getting some
Birchwood-Casey TruOil from a gun store (there still are a few in CA)
and diluting it with paint thinner, until it reminds you of Flood's,
if Nanny'll let you have some paint thinner. Basically, Flood's sounds
like varnish (say, McCloskey's Man-o-War spar varnish) cut with Coleman
stove fuel (which is more hazardous than paint thinner, watch the open
flames -- see what happens when safe substances are made illegal, but
dangerous "folk" substitutes are not?) Gee, small quantities could be
cut with cigarette (GASP!) lighter fluid. Then you wouldn't have an
unused 7/8 of a gallon of thinner or stove fuel in your garage. :-)

Or do what everyone else does, and smuggle it in from the free world.
Sometimes people from CA visit Nevada, I seen to recall, visiting the
multiply attractive aquatic resorts, relaxational facilities, hardware
stores and other attractions.

73 and sympathy, (ex-CA) Dave AB3NR

32376. Re: [ham-antennas] Aluminum Tubing Coating

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 00:01:26 UTC
From: Don Sanders
Topic: 32369 Message: 32376

Dave, I LOVE your humor---just wish it were not so true.

Don W4BWS

On Sun, May 11, 2014 at 6:43 PM, Original Woodchuck
marmot@...[ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> On Sun, May 11, 2014 at 02:29:56PM -0700, w6jhb@... [ham-antennas]
> wrote:
>
> >
> > I moved to Folsom four years ago and am now preparing to build and
> install a quarter wave vertical for 30 meters. I can get the Penetrox A
> locally, but it appears the the air quality Gestapo out west has outlawed
> Penetrol. If you look at it on Amazon.com you'll see that it can be
> purchased there, but not shipped to AK, CA, or HI. That's just wonderful.
>
> Yeah. The shipping to AK and HI is verboten because of air shipment.
> To CA, it's because of religious rules.
>
> > Does anyone on this reflector have any ideas what a good replacement for
> Penetrol might be that I can use to coat my exposed aluminum tubing.
> Although we don't have the salt air to deal with here in Folsom, I think
> it's still a good idea to give that aluminum a coat of some sort…..
>
> Well, the MSDS for Flood's suggests that it is polymerized linseed
> oil diluted with Stoddard solvent and naphtha (both essentially paint
> thinner), so you could make a reasonable approximation by getting some
> Birchwood-Casey TruOil from a gun store (there still are a few in CA)
> and diluting it with paint thinner, until it reminds you of Flood's,
> if Nanny'll let you have some paint thinner. Basically, Flood's sounds
> like varnish (say, McCloskey's Man-o-War spar varnish) cut with Coleman
> stove fuel (which is more hazardous than paint thinner, watch the open
> flames -- see what happens when safe substances are made illegal, but
> dangerous "folk" substitutes are not?) Gee, small quantities could be
> cut with cigarette (GASP!) lighter fluid. Then you wouldn't have an
> unused 7/8 of a gallon of thinner or stove fuel in your garage. :-)
>
> Or do what everyone else does, and smuggle it in from the free world.
> Sometimes people from CA visit Nevada, I seen to recall, visiting the
> multiply attractive aquatic resorts, relaxational facilities, hardware
> stores and other attractions.
>

> 73 and sympathy, (ex-CA) Dave AB3NR
>
>

--
Dr. Don W4BWS

32377. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 00:23:49 UTC
From: radiomanl@...
Topic: 32364 Message: 32377

if it's like my metal (steel) it may or may not be bonded . suspect the protective coating is a good insulator .
another concern is that if it is an older home with cast iron or metal plumbing the roof material could kd5pnt grounded .

32378. Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 03:16:41 UTC
From: email4utoo@...
Topic: 32370 Message: 32378

what are the details on this wire ? thanks, AJ W5HEH

32379. Re: [ham-antennas] need some ideas on ANt. soon ..

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 03:24:10 UTC
From: email4utoo@...
Topic: 32364 Message: 32379

Thanks for all the ideas for an Antenna that would protected from lightening strikes, maybe i did not make myself clear, hihi, loading the Roof is interesting, we have an uncoated, (except for the rust , hihi) tin roof on one of our out buildings , yah we live in a rural area with a small farmstead, we moved from a large metro area 11yrs ago , i was born in Oakland CA went to HSchool in Sacto and spent way too many years in So,Cal, what i really want to build is a Delta /Skyloop, and just disconnect when T Storms come by , will start it next year . Yes i will try a Vertical for the fun of it and use it for portable and i have plans for a Loop, got some old Variable CAps recently so i am getting it all ready for winter projects . Appreciate the tips and advice i learned some from it , which makes it interesting to use in this fun hobby, 73s AJ W5HEH, yah new call sign.

32380. Re: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 05:26:01 UTC
From: Craig Palmer KF5JYZ
Topic: 32370 Message: 32380

http://store.oldgrouch.biz/fiphwi12kmsp.html

Craig

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, May 11, 2014 10:16 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: como wire

what are the details on this wire ? thanks, AJ W5HEH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4577 / Virus Database: 3931/7477 - Release Date: 05/11/14

32381. Re: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 07:12:36 UTC
From: Billy McFarland
Topic: 32370 Message: 32381

Ron,

I would but he's removed his email address from public as he did some mod for the yaesu and everyone kept emailing him all the time and he got sick of it so can't get an email address for him.

73 Billy
GM0OBX
SKCC# 12202

32382. RE: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 12:58:02 UTC
From: <Remh@...>
Topic: 32370 Message: 32382

If I remember correctly, WD-1 “commo wire” has a mixture of copper and steel strands to give it strength.

73

Rem Hunnewell
K2REM

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 12, 2014 1:26 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: como wire

http://store.oldgrouch.biz/fiphwi12kmsp.html

Craig

From: mailto:ham-antennas@yahoogroups.com

Sent: Sunday, May 11, 2014 10:16 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: como wire

what are the details on this wire ? thanks, AJ W5HEH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4577 / Virus Database: 3931/7477 - Release Date: 05/11/14

32383. Re: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 13:32:48 UTC
From: Michael Lodico
Topic: 32370 Message: 32383

Billy the antenna is an MFJ-1979 and the ground pad is Diamond antenna Diamond MAT-50 Couterpoise Magnet Mat [MAT-50]
http://www.radioworld.co.uk/catalog/diamond_mat-50_couterpoise_magnet_mat-p-8921.html
http://www.mfjenterprises.com/Product.php?productid=MFJ-1979 73 de K1EG Mike ---- "Billy McFarland gm0obx@... [ham-antennas]" wrote: > Ron,

I would but he's removed his email address from public as he did some mod for the yaesu and everyone kept emailing him all the time and he got sick of it so can't get an email address for him.

73 Billy
GM0OBX
SKCC# 12202

32384. Re: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 14:38:19 UTC
From: Billy McFarland
Topic: 32370 Message: 32384

Mike thanks for the link. I gave the mfj 1979 but struggle to secure it safely with a mag mount yet this one seems to hold the antenna no problem

73 Billy
GM0OBX
SKCC# 12202

32385. AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 15:05:17 UTC
From: siegfried jackstien
Topic: 32370 Message: 32385

Details: strong and cheap

No other details needed

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 12. Mai 2014 03:17
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: como wire
>
>
>
> what are the details on this wire ? thanks, AJ W5HEH
>
>

32386. AW: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 16:48:41 UTC
From: siegfried jackstien
Topic: 32370 Message: 32386

There are bigger mag mounts available (with 3 big magnets) ... these hold much better with big antennas (a friend uses that for his sw antenna) http://wsplc.com/antennas-tuners/antenna-accessories/mfj-336s-triple-mag-mou nt-so-239-socket-coax-pl-259.html So ... with a BIG antenna ... use a BIG magmount Dg9bfc sigi > -----Ursprüngliche Nachricht----- > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] > Gesendet: Montag, 12. Mai 2014 14:38 > An: ham-antennas@yahoogroups.com > Betreff: Re: [ham-antennas] Identify this! > > > > Mike thanks for the link. I gave the mfj 1979 but struggle to secure it > safely with a mag mount yet this one seems to hold the antenna no problem > > 73 Billy > GM0OBX > SKCC# 12202 > > _____ > > From: Michael Lodico k1eg@matrix-computers.com [ham-antennas] antennas@yahoogroups.com>; > To: ; > Subject: Re: [ham-antennas] Identify this! > Sent: Mon, May 12, 2014 1:32:48 PM > > > > > Billy the antenna is an MFJ-1979 and the ground pad is Diamond antenna > Diamond MAT-50 Couterpoise Magnet Mat [MAT-50] > > http://www.radioworld.co.uk/catalog/diamond_mat-50_couterpoise_magnet_mat- > p-8921.html > > http://www.mfjenterprises.com/Product.php?productid=MFJ-1979 > > 73 de K1EG > Mike > > ---- "Billy McFarland gm0obx@... [ham-antennas]" antennas@yahoogroups.com> wrote: > > Ron,

I would but he's removed his email address from public as > he did some mod for the yaesu and everyone kept emailing him all the time > and he got sick of it so can't get an email address for him.

73 > Billy
GM0OBX
SKCC# 12202 > > > >

32387. RE: AW: [ham-antennas] Identify this!

Yahoo group: ham-antennas (2014)
Date: 2014-05-12 17:19:10 UTC
From: Billy McFarland
Topic: 32370 Message: 32387

Sigi,

I got a loan of one of the triple mag mounts but I'm not getting a good earth. Before if I use the mfj1979 I could adjust it for any of the bands and get an swr of around 1.6 or less. Now I've changed my car I'm getting no where need this so looks as if ill need to make a shunt coil up to increase impedance when I get the length of the antenna so that X = 0 or close as.

73 Billy
GM0OBX
SKCC# 12202

32388. Signal Corps rhombic book

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 11:29:39 UTC
From: Mike Markowski
Topic: 32388 Message: 32388

Hi all,

Are any interested in a pdf of

"Construction of a Rhombic Receiving Antenna," US Army Signal Corps, March 20, 1943

It's 37 pages long, 15 pages of which are text and the rest tables & drawings, and is7.3 MBytes. It lays out the heavy duty design of rhombics as built by the then-US War Dept, not a backyard ham antenna project! But a ham or club lucky enough to have enough land and spare change might make use of it. Also, it contains no theory whatsoever. "Rhombic Antenna Design," by AE Harper, Bell Telephone Laboratories, 1941 is a good and similar vintage companion in that regard. Harper's report also contains construction details.

Before US Army Ft. Monmouth, NJ closed a few years ago I enjoyed using their one surviving rhombic of the 2 originals. Thinking of how much fun that was got me reading up on rhombics recently. Some photos of that shack just prior to shut down:
http://udel.edu/~mm/ham/monmouth/

73,
Mike ab3ap

32389. Re: AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 14:21:45 UTC
From: jferrell13@...
Topic: 32370 Message: 32389

It would be helpful to know:
Resistance per M or ft
diameter of wire
tensile strength

At less than half a cent per foot it does have an attractive price.
1640 feet of that is about the same price as 500 feet of #14 insulated copper wire locally.

John W8CCW

32390. Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 16:11:04 UTC
From: w6jhb@...
Topic: 32390 Message: 32390

Do any of the folks on this group know one or more reputable suppliers of aluminum tubing that sells online or locally to the Sacramento area? I recently decided to build a 30 meter 1/4 wave vertical using aluminum, not wire. A place in Sacramento (Blue Collar Supply Inc.) has a web presence and shows lots of the stuff on their web page. Yesterday I drove over there only to find that (1) the largest OD tubing they have is 1-1/4", and (2) most of the shelves with various sizes smaller than that were empty - a very frustrating trip, indeed.

I also checked at OnlineMetals.com and they didn't have a great variety, either. So, I wound up going to DX Engineering and ordering my tubing from them. Granted, they have a LOT of different diameters and the prices "seem" to be in line, but it would be nice to see if there is any competition out there and what prices other places are charging. Ideally, a company somewhere in the Sacramento, CA area would be great - the shipping fees for long tubes is out of sight.

Any info would be appreciated.

Thanks, Jim / W6JHB
Folsom, CA

32391. Re: [ham-antennas] Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 16:13:38 UTC
From: Geoff NW7GM
Topic: 32390 Message: 32391

I was going to suggest onlinemetals.com, but Texas Towers also sells aluminum tubing.

Geoff, NW7GM
Seattle, WA
CN87tr
On May 13, 2014 9:11 AM, "w6jhb@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Do any of the folks on this group know one or more reputable suppliers of
> aluminum tubing that sells online or locally to the Sacramento area? I
> recently decided to build a 30 meter 1/4 wave vertical using aluminum, not
> wire. A place in Sacramento (Blue Collar Supply Inc.) has a web presence
> and shows lots of the stuff on their web page. Yesterday I drove over there
> only to find that (1) the largest OD tubing they have is 1-1/4", and (2)
> most of the shelves with various sizes smaller than that were empty - a
> very frustrating trip, indeed.
>
>
> I also checked at OnlineMetals.com and they didn't have a great variety,
> either. So, I wound up going to DX Engineering and ordering my tubing from
> them. Granted, they have a LOT of different diameters and the prices "seem"
> to be in line, but it would be nice to see if there is any competition out
> there and what prices other places are charging. Ideally, a company
> somewhere in the Sacramento, CA area would be great - the shipping fees for
> long tubes is out of sight.
>
>
> Any info would be appreciated.
>
>
> Thanks, Jim / W6JHB
>
> Folsom, CA
>
>

32392. Re: [ham-antennas] Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 16:56:04 UTC
From: Van Lincoln
Topic: 32390 Message: 32392

http://www.texastowers.com/aluminum.htm

http://www.dxengineering.com/search/product-line/dx-engineering-aluminum-tubing

These are the two places I normally deal with for aluminum tubing and sheets.

Van wd8aam

At 16:11 5/13/2014, you wrote:

>Do any of the folks on this group know one or
>more reputable suppliers of aluminum tubing that
>sells online or locally to the Sacramento area?
>I recently decided to build a 30 meter 1/4 wave
>vertical using aluminum, not wire. A place in
>Sacramento (Blue Collar Supply Inc.) has a web
>presence and shows lots of the stuff on their
>web page. Yesterday I drove over there only to
>find that (1) the largest OD tubing they have is
>1-1/4", and (2) most of the shelves with various
>sizes smaller than that were empty - a very frustrating trip, indeed.
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>I also checked at OnlineMetals.com and they
>didn't have a great variety, either. So, I wound
>up going to DX Engineering and ordering my
>tubing from them. Granted, they have a LOT of
>different diameters and the prices "seem" to be
>in line, but it would be nice to see if there is
>any competition out there and what prices other
>places are charging. Ideally, a company
>somewhere in the Sacramento, CA area would be
>great - the shipping fees for long tubes is out of sight.
>
>
>Any info would be appreciated.
>
>
>Thanks, Jim / W6JHB
>
>Folsom, CA
>
>
>

32393. Re: AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 17:30:40 UTC
From: Original Woodchuck
Topic: 32370 Message: 32393

On Tue, May 13, 2014 at 07:21:45AM -0700, jferrell13@... [ham-antennas] wrote:
>
>
> It would be helpful to know:
> Resistance per M or ft
> diameter of wire
> tensile strength

There's a MIL-SPEC or something similar for this wire out on the wild internet somewhere. Sorry, lost the URL, but it came up pretty easily with the google. I seem to recall a figure of 48 ohms DC resistance for "1000 loop-feet" of wire, which I take to mean a loop of 1000 feet length. Whether this includes both conductors in parallel or what, I don't know.

Structurally, it is a twisted pair. A given wire has seven strands, three (I think) galvanized steel, four tinned soft annealed copper. The specification gives their diameters, depth of coating, dielectric strength of insulation, resistance to moisture, and so on. The insulation is nylon, I think.

When new, this was pretty fancy wire. It was intended to work, even after being laid down in the fetid jungles of SE Asia, without kinking, shorts, opens or breakage. You don't send your comms man out to be shot at to lay crummy wire. Not cost-effective, also bad for morale, and loses battles.

> At less than half a cent per foot it does have an attractive price.

It does. But this stuff is used. But we know how to test it.

> 1640 feet of that is about the same price as 500 feet of #14 insulated copper wire locally.

If you can't find the spec, get back to me, and I'll hunt around my browser history. Shucks, do it now, lazybones.

hmmm: Here's something: http://www.associated-ind.com/pdf/FIELD_WIRE.pdf
That's a modern catalogue entry.

Ahhh. Here you go! http://radionerds.com/images/7/72/MIL-C-13294C.pdf
More than you ever wanted to know.

Dave AB3NR

32394. Re: AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 18:49:22 UTC
From: Kenneth G. Gordon
Topic: 32370 Message: 32394

On 13 May 2014 at 13:30, Original Woodchuck marmot@pennswoods. Re: AW: [ham-antennas] Re: como wire wrote:

> Ahhh. Here you go! http://radionerds.com/images/7/72/MIL-C-13294C.pdf
> More than you ever wanted to know.

Thanks, Dave. However, I just scanned through the entire document and have not yet found the definition of "loop-feet".

I have never heard the term before this.

Anyone?

Ken W7EKB

32395. Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 20:33:59 UTC
From: wa1rkt@...
Topic: 32395 Message: 32395

Looking for a portable vertical HF antenna to mount on the back bumper of a 30-foot RV trailer for use from 3-30 MHz with an autotuner. Desired height is 18 feet or higher, obviously only for not-in-motion use. The antenna should be stiff enough to be self-supporting to its full height, yet flexible enough that it can be bent over the roof of the trailer and the top-end tied down for in-motion or NVIS use. Fiberglass construction is preferable over steel.

I tried a 108" stainless steel CB whip with some MFJ-1600T mast extenders but the MFJ mast extenders, even just one of them, are nowhere near strong enough to support a 108" whip and hold it vertical.

I looked at a couple of Shakespeare marine HF antennas but they don't look like they're able to be bent over and the tops secured, for in-motion or NVIS use.

Any ideas?

Rick WA1RKT

32396. Re: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 21:02:30 UTC
From: worahm@...
Topic: 32395 Message: 32396

Hi Rick.

I mounted a Hustler 5-BTV (10,15,20,40,80 Mtrs) on the shaft of the motorized hitch lift on my 1987 Avion 30P RV. I attached the antenna mounting base plate to a 1/4" thick aluminum plate with two SS U bolts. When we were on the road I stored t he antenna in a 5" diameter VC tube that was bolted to the frame under trailer. I could have the antenna in the air within 10 minutes after setting the trailer up on the campsite.

It worked out well for me.

Photo attached.

Bill KB2GF

[Non-text portions of this message have been removed]

32397. Re: [ham-antennas] Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 21:03:51 UTC
From: Chuck Schultz
Topic: 32390 Message: 32397

Jim, Try Texas Towers in Plano ,TX They have a complete
selection and cater to mail order. Chuck Wq5b
On 5/13/2014 11:11 AM, w6jhb@... [ham-antennas] wrote:
>
> Do any of the folks on this group know one or more reputable suppliers
> of aluminum tubing that sells online or locally to the Sacramento
> area? I recently decided to build a 30 meter 1/4 wave vertical using
> aluminum, not wire. A place in Sacramento (Blue Collar Supply Inc.)
> has a web presence and shows lots of the stuff on their web page.
> Yesterday I drove over there only to find that (1) the largest OD
> tubing they have is 1-1/4", and (2) most of the shelves with various
> sizes smaller than that were empty - a very frustrating trip, indeed.
>
>
> I also checked at OnlineMetals.com and they didn't have a great
> variety, either. So, I wound up going to DX Engineering and ordering
> my tubing from them. Granted, they have a LOT of different diameters
> and the prices "seem" to be in line, but it would be nice to see if
> there is any competition out there and what prices other places are
> charging. Ideally, a company somewhere in the Sacramento, CA area
> would be great - the shipping fees for long tubes is out of sight.
>
>
> Any info would be appreciated.
>
>
> Thanks, Jim / W6JHB
>
> Folsom, CA
>
>

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32398. Re: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 21:13:07 UTC
From: Chuck Schultz
Topic: 32395 Message: 32398

Rick, I use an Eagle One antenna on my motor home. I don't transmit while driving either . The ant mounts on the ladder and extends to 32ft. All kinds of variations to add another 30ft for 75 meters. I use a4:1 UNUN that is homemade. Lots of manufacturers support & easy to deal with. Chuck Wq5B

On 5/13/2014 3:33 PM, wa1rkt@... [ham-antennas] wrote:

> Looking for a portable vertical HF antenna to mount on the back bumper
> of a 30-foot RV trailer for use from 3-30 MHz with an autotuner.
> Desired height is 18 feet or higher, obviously only for not-in-motion
> use. The antenna should be stiff enough to be self-supporting to its
> full height, yet flexible enough that it can be bent over the roof of
> the trailer and the top-end tied down for in-motion or NVIS use.
> Fiberglass construction is preferable over steel.
>
>
> I tried a 108" stainless steel CB whip with some MFJ-1600T mast
> extenders but the MFJ mast extenders, even just one of them, are
> nowhere near strong enough to support a 108" whip and hold it vertical.
>
>
> I looked at a couple of Shakespeare marine HF antennas but they don't
> look like they're able to be bent over and the tops secured, for
> in-motion or NVIS use.
>
>
> Any ideas?
>
>
> Rick WA1RKT
>
>
>

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32399. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 21:22:19 UTC
From: wa1rkt@...
Topic: 32395 Message: 32399

Thanks, Bill. The problem is that this antenna will be used on a list of Civil Air Patrol and MARS frequencies, some of which are far outside of the amateur bands. Also we need to be able to bend it over and secure the top to something on the trailer, so that we can get at least some horizontal polarization for NVIS use... more often than not, we will be using it in the 4-5 MHz and 7.5-8 MHz ranges, for regional communications in a 30 to 150 mile radius.

I suppose a 30-foot aluminum mast on some kind of tilt-over base will work, if I can't find something suitable made from fiberglass.

Rick WA1RKT

32400. Re: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 21:36:46 UTC
From: wa1rkt@...
Topic: 32395 Message: 32400

Thanks, Chuck. The Eagle One does look like it should work. My question is this... is it flexible enough that it can be looped over and its top tied to somewhere near the front of the trailer? That way it could be used while in motion, and more importantly will provide some horizontal polarization for NVIS use on the lower frequencies.

Rick WA1RKt

32401. Re: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 22:17:12 UTC
From: farrerfolks@...
Topic: 32395 Message: 32401

Rick,

I added a photo of my travel trailer antenna mount. Very simple, two Glastic insulators and two muffler clamps with bolts welded on. My antenna for stationary use is a center loaded 33 foot telescoping aluminum vertical. It is loaded for 3.5 MHz with the center coil and coil shunted for 40 meters. I have tuned it out of band by using a series cap to above 4 MHz MARS frequencies and with a base coil to 60 meters. The antenna is in 6 to 8 foot sections with hose clamps. Just a thought.

Mel, K6KBE

32402. Re: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 23:14:29 UTC
From: Chuck Schultz
Topic: 32395 Message: 32402

No, it is not real flexible . No need as it travels fully collapsed
about 42 inches tall. Time to raise is just 3 or 4 minutes for this 70
year old . I use a IC 706 and a LDG auto tuner barefoot and talk world
wide . It tunes 75 but is weak , so I clip a 30 ft extesion to a washer
provided at the top and extend it toward the front of my 31ft motor home
. Then it tunes 75 with ease and is fairly strong. On 40 here at
home my signal with just the Eagle One is comparable to my full size
inverted vee hung with the apex at 70ft and sloping to about 40ft. I
would have never believed that if I had not done the test . Chuck
PS: what kind of travel trailer.....I spent 30 years
in the business Wq5B
On 5/13/2014 4:36 PM, wa1rkt@... [ham-antennas] wrote:
>
> Thanks, Chuck. The Eagle One does look like it should work. My
> question is this... is it flexible enough that it can be looped over
> and its top tied to somewhere near the front of the trailer? That way
> it could be used while in motion, and more importantly will provide
> some horizontal polarization for NVIS use on the lower frequencies.
>
> Rick WA1RKt
>
>

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32403. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-13 23:32:15 UTC
From: wa1rkt@...
Topic: 32395 Message: 32403

Thanks, Chuck. That's kind of what I was afraid of. I sent the manufacturer an email asking about flexibility and he didn't answer, just said the antenna isn't meant for in-motion operation and that's all he said.

Most of what we do with that trailer is NVIS stuff, meaning horizontal polarization and relatively short range (but longer range than allowed by groundwave). It's relatively rare, although not unheard of, that we would orient the antenna straight vertical and use it for longer-distance comms. Thus we do need the capability to loop the antenna over the roof of the trailer to get at least some horizontal polarization.

As for the trailer, I'm not sure exactly what kind it is. It belongs to the New Hampshire Wing of the Civil Air Patrol, and they got it from FEMA... it was one of the trailers that FEMA used to provide people with temporary housing after Hurricane Katrina.

Rick WA1RKT

32404. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 00:02:54 UTC
From: farrerfolks@...
Topic: 32395 Message: 32404

I think this antenna, Eagle One, is a close evolution from the Gotham verticals of the past. Just telescoping Aluminum tubing base fed. Not a bad price considering the cost of Al now adays.

Mel, K6KBE

32405. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 00:03:41 UTC
From: mikerodgerske5gbc@...
Topic: 32395 Message: 32405

Why not try the 100w end fed 6-40 30' wire from EARC the emergency amateur radio club of Hawaii. About $50 delivered. A tuner required. All frequencys should be below 3:1

Use a Shakespeare 20' fishing rod and totally vertical or inverted L.

You might want one of these in your go box anyway.

They use coax shield as counterpoise so you need about 15' of coax.

I tried one out at home and was impressed for something you can erect in a few minutes.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32406. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 00:36:09 UTC
From: daverickmers@...
Topic: 32395 Message: 32406

Have you considered a "screwdriver"? 73 de dave/kd6il

32407. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 00:41:20 UTC
From: Chuck Schultz
Topic: 32395 Message: 32407

I am very familiar with the FEMA trailers of that era . I built two RV parks there for Gov't Grain inspectors so they could return to work very soon . I was retired but contracting . I then oversaw the delivery of many trailers to both New Orleans and to Jasper ,Tx for staging . There were many trailers in Texas as we had our own hurricane just after Katrina . Texan's were thankful for what help they received and rebuilt their places quietly rather sit around waiting for more Obama bucks to be delivered . You must be using this trailer for a mobile EOC . My 75 meter mod is a cloud burner by design . I have another mod to allow ten (11)meter operations when in motion. I would think that 75 & 40 comprise 90% of your work and a little on 20 meters. Play with a loop some Good Luck Chuck Wq5B

On 5/13/2014 6:32 PM, wa1rkt@... [ham-antennas] wrote:

> Thanks, Chuck. That's kind of what I was afraid of. I sent the
> manufacturer an email asking about flexibility and he didn't answer,
> just said the antenna isn't meant for in-motion operation and that's
> all he said.
>
> Most of what we do with that trailer is NVIS stuff, meaning horizontal
> polarization and relatively short range (but longer range than allowed
> by groundwave). It's relatively rare, although not unheard of, that
> we would orient the antenna straight vertical and use it for
> longer-distance comms. Thus we do need the capability to loop the
> antenna over the roof of the trailer to get at least some horizontal
> polarization.
>
> As for the trailer, I'm not sure exactly what kind it is. It belongs
> to the New Hampshire Wing of the Civil Air Patrol, and they got it
> from FEMA... it was one of the trailers that FEMA used to provide
> people with temporary housing after Hurricane Katrina.
>
> Rick WA1RKT
>
>

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32408. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 00:51:49 UTC
From: Brian Carling
Topic: 32395 Message: 32408

Or a "hurricane" ;)

Best regards - Bry Carling

> On May 13, 2014, at 8:36 PM, "daverickmers@... [ham-antennas]" <ham-antennas@...m> wrote:
>
> Have you considered a "screwdriver"? 73 de dave/kd6il
>
>

32409. Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:06:37 UTC
From: Alex Netherton
Topic: 32409 Message: 32409

Hi folks;
I am looking to get up an antenna for 160 meters, since my rig has this band - I never bothered with it because my former rigs didn't have it, and you con't miss what you don't have. I have tried a 1/4 wave wire, and got dismal reports.

I am interested in doing a loop (560 feet!), which I think I can do if I encircle the yard. I will feed it with a balanced lader wire and a tuner.

The question is, will it give me a decent take off angle, or will it be a "cloud burner". I will only be able to get it to about 40 or so feet in the trees here.

I know many crave an NVIS antenna, but I do not. I do not work MARS, and ARES is only part of my Amateur pursuits; I can get an NVIS up in a few minutes anyway if I need one.

So, for a 160 loop at around 30 feet, what will be my takeoff angle? Will I be stuck working 100 miles or less from my QTH, or will I be able to go further? Plus, what will it be on the other bands?

Thanks and 73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

32410. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:22:00 UTC
From: Artek Manuals
Topic: 32409 Message: 32410

Because the loop is basically a horizontally polarized antenna at 40' it will be cloud burner. A better choice for working WAS and some DX from 4 land would be an inverted L. Sounds like you have a decent sized yard so maybe even two inverted L's fed in phase switchable broadside and end-fire. With a 45' high inverted L, I owrked 68 countries on 160M the first winter I put it up and that from what is known as the "black hole" (upper midwest) for 160 M. The other part of making the L work is ground radials at least 16 ..more than 50 is not worth the effort. An amp for 160 is also advantages more so than any other band...

Good luck and welcome to top band

Dave
NR1DX

On 5/13/2014 8:06 PM, Alex Netherton anetherton@... [ham-antennas] wrote:
> Hi folks;
> I am looking to get up an antenna for 160 meters, since my rig has
> this band - I never bothered with it because my former rigs didn't
> have it, and you con't miss what you don't have. I have tried a 1/4
> wave wire, and got dismal reports.
>
> I am interested in doing a loop (560 feet!), which I think I can do if
> I encircle the yard. I will feed it with a balanced lader wire and a
> tuner.
>
> The question is, will it give me a decent take off angle, or will it
> be a "cloud burner". I will only be able to get it to about 40 or so
> feet in the trees here.
>
> I know many crave an NVIS antenna, but I do not. I do not work MARS,
> and ARES is only part of my Amateur pursuits; I can get an NVIS up in
> a few minutes anyway if I need one.
>
> So, for a 160 loop at around 30 feet, what will be my takeoff angle?
> Will I be stuck working 100 miles or less from my QTH, or will I be
> able to go further? Plus, what will it be on the other bands?
>
> Thanks and 73
>
> Alex Netherton
> http://blueridgediscovery.org
> Amateur Radio call KC4BO (1979)
>

--
Dave
Manuals@...
www.ArtekManuals.com

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32411. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:35:07 UTC
From: Alex Netherton
Topic: 32409 Message: 32411

Would I use the inverted L as a vertical with the feed point at ground level? Radials might be a problem, as the XYL might not like them strung out over the lawn. I do not think I can get the feedpoint above ground level. Would 2 groundplanes work? Maybe 4?

Would love to use my amp, but it (SB-200) only goes to 80 (slight frown...).

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, May 13, 2014 at 9:22 PM, Artek Manuals nr1dx@...[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Because the loop is basically a horizontally polarized antenna at 40' it
> will be cloud burner. A better choice for working WAS and some DX from 4
> land would be an inverted L. Sounds like you have a decent sized yard so
> maybe even two inverted L's fed in phase switchable broadside and end-fire.
> With a 45' high inverted L, I owrked 68 countries on 160M the first winter
> I put it up and that from what is known as the "black hole" (upper
> midwest) for 160 M. The other part of making the L work is ground radials
> at least 16 ..more than 50 is not worth the effort. An amp for 160 is also
> advantages more so than any other band...
>
> Good luck and welcome to top band
>
> Dave
> NR1DX
>
>
> On 5/13/2014 8:06 PM, Alex Netherton anetherton@... [ham-antennas]
> wrote:
>
>
> Hi folks;
> I am looking to get up an antenna for 160 meters, since my rig has this
> band - I never bothered with it because my former rigs didn't have it, and
> you con't miss what you don't have. I have tried a 1/4 wave wire, and got
> dismal reports.
>
> I am interested in doing a loop (560 feet!), which I think I can do if I
> encircle the yard. I will feed it with a balanced lader wire and a tuner.

>
> The question is, will it give me a decent take off angle, or will it be
> a "cloud burner". I will only be able to get it to about 40 or so feet in
> the trees here.
>
> I know many crave an NVIS antenna, but I do not. I do not work MARS, and
> ARES is only part of my Amateur pursuits; I can get an NVIS up in a few
> minutes anyway if I need one.
>
> So, for a 160 loop at around 30 feet, what will be my takeoff angle?
> Will I be stuck working 100 miles or less from my QTH, or will I be able to
> go further? Plus, what will it be on the other bands?
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> Thanks and 73
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> Alex Netherton
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> DaveManuals@...
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32412. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:48:50 UTC
From: Kenneth G. Gordon
Topic: 32409 Message: 32412

On 13 May 2014 at 21:35, Alex Netherton anetherton@... wrote:

> Would I use the inverted L as a vertical with the feed point at ground level?

Yes.

> Radials might be a problem, as the XYL might not like them strung out over the
> lawn.

You don't string them "over" the lawn: you lay them ON the lawn. Within one year you will never see them again, except at the ends you connect to the feedline. My radials are now down at least 2" below ground level, and I never dug them in. I never had any trouble mowing over them either, even when I could still see them.

> I do not think I can get the feedpoint above ground level.

That's where it goes: ground-level.

> Would 2
> groundplanes work? Maybe 4?

Huh?

> Would love to use my amp, but it (SB-200) only goes to 80 (slight frown...).

Adding 160 to an SB-200 isn't all that difficult, but it IS time-consuming...there is plenty of room in the final compartment for a longer plate coil.

With my base-loaded 55' tall vertical, I've worked Europe on 160 with 100 watts.

Ken W7EKB

32413. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:47:49 UTC
From: jeffrey kohel
Topic: 32409 Message: 32413

Alex a freind of mine put a loop up like you describe, and he talks all over the states and europe. Easily

On Tuesday, May 13, 2014 9:35 PM, "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Would I use the inverted L as a vertical with the feed point at ground level? Radials might be a problem, as the XYL might not like them strung out over the lawn. I do not think I can get the feedpoint above ground level. Would 2 groundplanes work? Maybe 4?

Would love to use my amp, but it (SB-200) only goes to 80 (slight frown...).

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, May 13, 2014 at 9:22 PM, Artek Manuals nr1dx@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>Because the loop is basically a horizontally polarized antenna at 40' it will be cloud burner. A better choice for working WAS and some DX from 4 land would be an inverted L. Sounds like you have a decent sized yard so maybe even two inverted L's fed in phase switchable broadside and end-fire. With a 45' high inverted L, I owrked 68 countries on 160M the first winter I put it up and that from what is known as the "black hole" (upper midwest) for 160 M. The other part of making the L work is ground radials at least 16 ..more than 50 is not worth the effort. An amp for 160 is also advantages more so than any other band...
>
>Good luck and welcome to top band
>
>Dave
>NR1DX
>
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>On 5/13/2014 8:06 PM, Alex Netherton anetherton@... [ham-antennas] wrote:
>
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>>Hi folks;
>>I am looking to get up an antenna for 160 meters, since my rig has this band - I never bothered with it because my former rigs didn't have it, and you con't miss what you don't have. I have tried a 1/4 wave wire, and got dismal reports.
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>>Thanks and 73
>>
>>
>>Alex Netherton
>>http://blueridgediscovery.org
>>Amateur Radio call KC4BO (1979)
>
>
>--
Dave Manuals@ArtekManuals.com www.ArtekManuals.com
>
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>

32414. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 01:56:34 UTC
From: Artek Manuals
Topic: 32409 Message: 32414

1st think of the inverted L as basically a top loaded vertical with the feed point traditionally at ground level. If you really mean will two ground RADIALS work (a GROUND PLANE is is typically thought of as 4 or more ground radials) The answer is yes two radials will work but a high percentage (probably 50% or more) of your power will be lost in ground losses.

There are many ways to deal with the wires in the grass problem. I have used a old edger to cut slots which grow over in weeks. But the easiest solution I have found so far is 10' gutter nails to stake the wire flush with the ground every 3' or so.. Lots of work has been done but a lot of empirical evidence indicates the that around .2 wavelength is adequate for ground mounted radial lengths . Staked to ground the wires become nearly invisible after a couple of months and I have no problem mowing over them.

Dave
NR1DX

On 5/13/2014 8:35 PM, Alex Netherton anetherton@... [ham-antennas] wrote:
> Would I use the inverted L as a vertical with the feed point at ground
> level? Radials might be a problem, as the XYL might not like them
> strung out over the lawn. I do not think I can get the feedpoint above
> ground level. Would 2 groundplanes work? Maybe 4?
>
> Would love to use my amp, but it (SB-200) only goes to 80 (slight
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> owrked 68 countries on 160M the first winter I put it up and that
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> The other part of making the L work is ground radials at least 16
> ..more than 50 is not worth the effort. An amp for 160 is also
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>
> --
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> Manuals@... <mailto:Manuals@...>
> www.ArtekManuals.com <http://www.ArtekManuals.com>

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> <http://www.avast.com/>
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> This email is free from viruses and malware because avast!
> Antivirus <http://www.avast.com/> protection is active.
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--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

32415. Re: Signal Corps rhombic book

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 02:16:36 UTC
From: email4utoo@...
Topic: 32388 Message: 32415

YES ! my dream ever since i was a Teen was to build a Rhombic, we only have 5.5 acres , do you think that is enough space ? hihi. only issue is the power lines that traverse , wonder how high i would have to put it up, i was thinking about used Telephone or Electric Poles ?? I would like to read all this PDF, let me know where to download or send it to me, thanks , AJ W5HEH, N Arkansas

32416. Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 02:34:27 UTC
From: email4utoo@...
Topic: 32370 Message: 32416

Thanks Craig, will look into some , AJ W5heh 73s

32417. RE: [ham-antennas] Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 02:51:26 UTC
From: email4utoo@...
Topic: 32359 Message: 32417

Rich, funny thing i just bought one of those Boxes at Lowes, i was thinking of a junction coax and grounding use mounted near Grounding rod and entrance into shack area. For Baluns, or UN-uns is a good idea . Last portable antenna i made recently is with all Twin lead w/feed line as well . i might try putting this one in the attic to see if i can out over the metal roof, or i might try an indoor loop first . 73s , AJ W5HEH

32418. Re: AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 04:23:53 UTC
From: Andy
Topic: 32370 Message: 32418

"Thanks, Dave. However, I just scanned through the entire document and have not yet found the definition of "loop-feet"."

I believe it means you connect the far end wires together and measure between the wires on the near end. They complete a loop, out and then back. 1000 loop-feet is 1000 feet out plus 1000 feet back.

Andy

32419. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 04:46:46 UTC
From: Andy
Topic: 32409 Message: 32419

Another antenna to consider is the loop with the feedline dropping vertical; then on top-band, tie the feedline wires together and feed them against ground. It is essentially a top-loaded vertical, which makes it like the inverted L but with a lot more wire (capacity hat) on the top part.

It has the advantage that you can feed it normally (differentially) if you want to.

NVIS isn't only out to 100 miles. You should get 400 miles or so with very good performance, and a lot more than that with somewhat more "ordinary" signal strengths (i.e., comparable to anyone else with a horizontal dipole).

At higher frequency bands, the loop's takeoff angle drops, turning into a decent DX antenna.

Unlike dipoles, loops tend to load up well on both odd AND even harmonics.

Andy

32420. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 08:11:02 UTC
From: rolandbrade@...
Topic: 32409 Message: 32420

A trap inverted L would work very well, even with a fairly low vertical section.
My radials are buried under the lawn.
Basically just cut a W3DZZ in half and use those dimensions. If you want 160 then make a simple L/C trap with another 20 or so foot on the end.
Not forgetting at the higher bands you could get upto about 8db of gain.
I only run 25 watts but, yesterday for example I was getting -01 and -02s on 15 JT65.
My vertical is 32 foot high and the rest horizontal but I aim to increase the vertical section to about 40 to 50 foot, neighbours willing!
Roley G3VIR

---In ham-antennas@yahoogroups.com, <anetherton@...> wrote :

Would I use the inverted L as a vertical with the feed point at ground level? Radials might be a problem, as the XYL might not like them strung out over the lawn. I do not think I can get the feedpoint above ground level. Would 2 groundplanes work? Maybe 4?

Would love to use my amp, but it (SB-200) only goes to 80 (slight frown...).

73

Alex Netherton
http://blueridgediscovery.org http://blueridgediscovery.org Amateur Radio call KC4BO (1979)

On Tue, May 13, 2014 at 9:22 PM, Artek Manuals nr1dx@... mailto:nr1dx@... [ham-antennas] <ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com> wrote:

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Good luck and welcome to top band

Dave
NR1DX

On 5/13/2014 8:06 PM, Alex Netherton anetherton@... mailto:anetherton@... [ham-antennas] wrote:

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The question is, will it give me a decent take off angle, or will it be a "cloud burner". I will only be able to get it to about 40 or so feet in the trees here.

I know many crave an NVIS antenna, but I do not. I do not work MARS, and ARES is only part of my Amateur pursuits; I can get an NVIS up in a few minutes anyway if I need one.

So, for a 160 loop at around 30 feet, what will be my takeoff angle? Will I be stuck working 100 miles or less from my QTH, or will I be able to go further? Plus, what will it be on the other bands?

Thanks and 73

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32421. Re: AW: [ham-antennas] Re: como wire

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 08:44:40 UTC
From: Don Sanders
Topic: 32370 Message: 32421

Hi Ken,
I believe the "loop feet" refers to bringing the ends close together to form a loop and measure the DC resistance, specified at 46 ohms per 1000 feet of wire. I guess that would be in each multistrand conductor. Been about 30 years since I was involved with that type testing.

Don W4BWS

On Tue, May 13, 2014 at 1:49 PM, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com>wrote:

>
>
> On 13 May 2014 at 13:30, Original Woodchuck marmot@pennswoods. Re:
> AW: [ham-antennas] Re: como wire wrote:
>
> > Ahhh. Here you go! http://radionerds.com/images/7/72/MIL-C-13294C.pdf
> > More than you ever wanted to know.
>
> Thanks, Dave. However, I just scanned through the entire document and
> have not yet found the definition of "loop-feet".
>
> I have never heard the term before this.
>
> Anyone?
>
> Ken W7EKB
>
>

--
Dr. Don W4BWS

32422. AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 08:44:32 UTC
From: siegfried jackstien
Topic: 32395 Message: 32422

What about using a "mil-whip" ???

The lower sections of these whip antennas can be screwed together with as much height as you need ... one top section, one mid section and as much bottom section as you want (only one bottom section gives a quarterwave for 10m ... but you also can screw 18-20 feet of them together)

For nvis do not bend over the roof but backwards

Then you have a "low dipole" for nvis where the mobile home is one thicker leg and the whip is the other leg (been there done that)

For lower bands you can extend that whip with a wire (either to front of the RV or better to a treetop backwards from the RV)

I used such a setup years ago on my car (shorter whip while mobile and longer whip while on a parking lot) ... together with a yaesu autotuner

For mobile and working 80 and 160 I cut one of the bottom sections in halves and added a coil in between (so shorter whip on low bands could be used)

These whips are cheap ... and very strong (touching a tree would not hurt the antenna) ... and as explained above you can use any length .. with or without added coil ... and with or without added top-loading wire

The only tricky thing is to mount the base on your rv ... but you sure can homebrew something :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 13. Mai 2014 20:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or
> higher
>
>
>
> Looking for a portable vertical HF antenna to mount on the back bumper of
> a 30-foot RV trailer for use from 3-30 MHz with an autotuner. Desired
> height is 18 feet or higher, obviously only for not-in-motion use. The
> antenna should be stiff enough to be self-supporting to its full height,
> yet flexible enough that it can be bent over the roof of the trailer and
> the top-end tied down for in-motion or NVIS use. Fiberglass construction
> is preferable over steel.

>
>
>
>
> I tried a 108" stainless steel CB whip with some MFJ-1600T mast extenders
> but the MFJ mast extenders, even just one of them, are nowhere near strong
> enough to support a 108" whip and hold it vertical.
>
>
>
>
> I looked at a couple of Shakespeare marine HF antennas but they don't look
> like they're able to be bent over and the tops secured, for in-motion or
> NVIS use.
>
>
>
>
> Any ideas?
>
>
>
>
> Rick WA1RKT
>
>
>
>
>

32423. AW: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 09:23:23 UTC
From: siegfried jackstien
Topic: 32409 Message: 32423

Build your loop ... you will love it

I use a fullsize topband loop here for all hambands ...

Yes on 160 it is a cloudburner (but not only 100 miles ... it gives you more) .... on topband I can work complete Europe ... that s way over 100 miles hi hi

And for 80m? ... between nvis and dx (depending on conditions a bit)

... no it will not outperform a vertical or a 4 square!!!

But it is a good compromise antenna...

From 40m upwards it is a real dx antenna (cloverleaf pattern with high gain) ....

an elmer once said ... if you can not make it high ... then make it long

AFTER I HAD MY FIRST 160m LOOP-ANTENNA I KNEW WHAT HE MEANT

Your quarterwave wire did not work cause you sure did not lay out a few dozen radials below it ...

If you have different options how to hang the loop (or where to feed the loop) ... then you should maybe simulate it in mmana and see where the lobes go on what band

I made my loop that way that I have highest gain on 40m in the direction with most distant dx locations ... from here it is vk/zl in direction south-west or north-east (short and long path)

But even if you do not pay attention on that and just hang it up the way where your trees are on the area ... (and it does not need to be exact triangle or square!) ... it will work "superb"

As an example ... my loop here is (seen from feeding point) one leg around 40m ... one leg around 60 ... and the opposite wire is around 70m

(no my loop is not 170 ... it is around 168 or so ... above are the rough numbers to show you that it does not need to be 56/56/56m)

.... build it ... and get on the air with it ...

And if you think that you also wanna work dx on 160 ... then it is time to ask the xyl for a radial-field ... grin ... and build a vertical or inverted L

In the file-area of this group you will find "loop.xls" ... that is an excel file that I made for my notes (testing resonance and swr on all bands with different lengths of ladderline)

And ... for building a vertical

Look for "folded monopole" ... it is a scaled down and modded (by me) vertical ... idea is from a local mw station (radio Bremen) ...

Greetz

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 14. Mai 2014 01:07
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Will a loop give me a good signal?
>
>
>
> Hi folks;
> I am looking to get up an antenna for 160 meters, since my rig has this
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> I be stuck working 100 miles or less from my QTH, or will I be able to go
> further? Plus, what will it be on the other bands?
>
> Thanks and 73
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> Alex Netherton
> http://blueridgediscovery.org
> Amateur Radio call KC4BO (1979)
>
>

32424. Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 12:13:11 UTC
From: mikerodgerske5gbc@...
Topic: 32409 Message: 32424

I would vote for the inverted L for 160 with 4 radials.

It wouldn't be too hard to dig just 4 in if that would please the xyl.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32425. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 14:08:28 UTC
From: Keith Heimbold
Topic: 32409 Message: 32425

I put in a W8AMZ reduced sloper on my tower and have worked some DX from San Diego with it. However it is a very noisy antenna on receive and I had to homebrew a K9AY loop to hear any of the stations that I worked otherwise I have S9+15 noise versus S7 noise with the receiving loop. Just another possible option. The antenna is limited to 1KW if that is concern.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On May 14, 2014, at 7:13 AM, "mikerodgerske5gbc@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I would vote for the inverted L for 160 with 4 radials.
>
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>
> 73
> Mike R
>
> There's more behind this picture than the wall.
> -Doyle Lawson
>

32426. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 14:14:20 UTC
From: Alex Netherton
Topic: 32409 Message: 32426

Ok. Don't radials need to be a quarter wavelength plus 5%? That would be something like 130 feet, right?
73 de KC4BO
On May 14, 2014 10:08 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
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> Mike R
>
> There's more behind this picture than the wall.
> -Doyle Lawson
>
>
>

32427. 160M Inverted L (was 160 M Loop)

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 14:25:03 UTC
From: Artek Manuals
Topic: 32427 Message: 32427

A couple of other tricks with the inverted L is to make it longer than required ...

I have built many L's for 160 which were in the neighborhood of 150' total length. The thought process is this raises the feed point impedance which for the L over a good ground is on the order of 15-25 ohms (higher over poor ground). By making the antenna longer than a 1/4 wave, the real portion R of the antenna impedance (R+jX) goes up there is a sweet spot where R=50 ohms. The problem is that with the longer antenna the jX portion also goes up. It is a simple matter however to cancel the added inductive reactance with a simple series cap. I use a 500PF vacuum variable with some hefty door knob ceramics in parallel to dial in the resonance point, this then gives a good 50 ohm match. and the variable cap allows me to tune the antenna very carefully so the 1:1 match is exactly at the frequency I want. All kinds of schemes here for switching in and out caps to allow you full coverage form 1.8MHz to 2.0 MHZ. Also the higher feed point might theoretically reduces the ground losses of a moderate radial installation. I say theoretically because I have never actually measured the differences.

The original poster on the loop thread spoke of using open wire feed which could be applied here as well. I don't personally like feeding an antenna like this with ladder line at ground level as I am not a fan of having ladder line laying on the ground. Also it is not inherently a balanced feed point. Also any loss improvement for open wire vs coax at this frequency is minimal. Theoretically you could feed the thing at any point by say breaking the vertical section say 20' up and attaching the open wire at this point while tying the bottom of the vertical directly to the ground system. Where it is fed makes no difference as I recall from modeling it several years back

Adding an 80M trap to the inverted L is also not an unreasonable project to make a dual band antenna out of it.

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

32428. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 14:29:43 UTC
From: Artek Manuals
Topic: 32409 Message: 32428

No in fact there was a detailed analysis in QST a few years back that suggested that ground radials slightly shorter than a 1/4 wave (.2 wavelength ? or about 100' on 160) were actually better for a ground mounted radials. Elevated/above ground (many feet) radials are another story and there 1/4 wave was better

Dave
NR1DX

On 5/14/2014 9:14 AM, Alex Netherton anetherton@... [ham-antennas] wrote:
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> 73 de KC4BO
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> <mailto:ag6az@...> [ham-antennas]"
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>> Mike R
>>
>> There's more behind this picture than the wall.
>> -Doyle Lawson
>>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32429. RE: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 14:52:51 UTC
From: John Murphy
Topic: 32395 Message: 32429

Sigi,

Since no one has asked yet, where can you see, maybe get, one of these "mil-whip"?

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio□s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, May 14, 2014 2:45 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

What about using a "mil-whip" ???

The lower sections of these whip antennas can be screwed together with as much height as you need ... one top section, one mid section and as much bottom section as you want (only one bottom section gives a quarterwave for 10m ... but you also can screw 18-20 feet of them together)

For nvis do not bend over the roof but backwards

Then you have a "low dipole" for nvis where the mobile home is one thicker leg and the whip is the other leg (been there done that)

For lower bands you can extend that whip with a wire (either to front of the RV or better to a treetop backwards from the RV)

I used such a setup years ago on my car (shorter whip while mobile and longer whip while on a parking lot) ... together with a yaesu autotuner

For mobile and working 80 and 160 I cut one of the bottom sections in halves and added a coil in between (so shorter whip on low bands could be used)

These whips are cheap ... and very strong (touching a tree would not hurt the antenna) ... and as explained above you can use any length .. with or without added coil ... and with or without added top-loading wire

The only tricky thing is to mount the base on your rv ... but you sure can homebrew something :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 13. Mai 2014 20:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or
> higher
>
>
>
> Looking for a portable vertical HF antenna to mount on the back bumper of
> a 30-foot RV trailer for use from 3-30 MHz with an autotuner. Desired
> height is 18 feet or higher, obviously only for not-in-motion use. The
> antenna should be stiff enough to be self-supporting to its full height,
> yet flexible enough that it can be bent over the roof of the trailer and
> the top-end tied down for in-motion or NVIS use. Fiberglass construction
> is preferable over steel.
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>
> I tried a 108" stainless steel CB whip with some MFJ-1600T mast extenders
> but the MFJ mast extenders, even just one of them, are nowhere near strong
> enough to support a 108" whip and hold it vertical.
>
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>
> I looked at a couple of Shakespeare marine HF antennas but they don't look
> like they're able to be bent over and the tops secured, for in-motion or
> NVIS use.
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> Any ideas?
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> Rick WA1RKT
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32430. AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 15:25:04 UTC
From: siegfried jackstien
Topic: 32395 Message: 32430

http://www.gelaendewagen.at/forum/viewtopic.php?f=3&t=7178

http://forums.qrz.com/showthread.php?260947-How-many-mast-sections-(MS-116-U-Type)-can-be-stacked-together

(scroll down a bit)

https://www.fairradio.com/_uploaded/740.jpg

(ms-116-a) the lowest element of the antenna set)

http://www.ebay.de/bhp/bw-antenne

http://www.helmut-singer.de/stock/-515580780.html

(singer sells surplus parts not only from military)

....

The antenna mast sections are copper clad steel ...

And lowest section can be screwed together nearly endless (I used up to 30 feet with guy ropes)

The fold-over spring is very strong ... you can bend that antenna over the roof ... and when you loosen the rope it flips up :-)

....

So you now have some sources (and you sure know how to use ebay/google)

http://www.ebay.de/itm/Antennenelemente-SEM-25-35-Funktechnik-MS-116-117-118-Ak-Bundeswehr-/261165409006?pt=NATO_Shop&hash=item3cceabe2ee

the lowest section is ms 116 ... mid is ms 117 and the top is 118

as far as I remember there was also another set available where all elements had the half lengths ... but I do not remember the numbers

Sure the us military has a similar antenna set for their jeeps

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 14. Mai 2014 14:53
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or

> higher
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>
> Sigi,
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>
> Since no one has asked yet, where can you see, maybe get, one of these
> "mil-whip"?
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>
> 73 de KCØJPO/AFA8JP
> John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing
>
> GMRS Licensee WQOW801
>
> PopComm Monitoring Station KPC0JPO
> "When all else fails...Amateur Radio"
>
> PIO Adams County (CO) ARES
>
> ARES/RACES/AFMARS Nothwest Area, Region 8
>
> USAF Security Police, 1973-84
>
> Owner, Oil Country Radio□s
>
> 701-421-1134
>
> Business Email: ocr58763@mail.com <mailto:ocr58763@...>
>
> Personal Email: jmurphy7411@... <mailto:jmurphy7411@...>
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Wednesday, May 14, 2014 2:45 AM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or
> higher
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> What about using a "mil-whip" ???
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> The lower sections of these whip antennas can be screwed together with as
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> 10m ... but you also can screw 18-20 feet of them together)
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> Then you have a "low dipole" for nvis where the mobile home is one thicker
> leg and the whip is the other leg (been there done that)
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> RV or better to a treetop backwards from the RV)
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> I used such a setup years ago on my car (shorter whip while mobile and
> longer whip while on a parking lot) ... together with a yaesu autotuner
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> and added a coil in between (so shorter whip on low bands could be used)
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> These whips are cheap ... and very strong (touching a tree would not hurt
> the antenna) ... and as explained above you can use any length .. with or
> without added coil ... and with or without added top-loading wire
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> The only tricky thing is to mount the base on your rv ... but you sure can
> homebrew something :-)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Dienstag, 13. Mai 2014 20:34
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or
> > higher
> >
> >
> >
> > Looking for a portable vertical HF antenna to mount on the back bumper

> of
> > a 30-foot RV trailer for use from 3-30 MHz with an autotuner. Desired
> > height is 18 feet or higher, obviously only for not-in-motion use. The
> > antenna should be stiff enough to be self-supporting to its full height,
> > yet flexible enough that it can be bent over the roof of the trailer and
> > the top-end tied down for in-motion or NVIS use. Fiberglass construction
> > is preferable over steel.
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> > I tried a 108" stainless steel CB whip with some MFJ-1600T mast
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> > but the MFJ mast extenders, even just one of them, are nowhere near
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> > enough to support a 108" whip and hold it vertical.
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> > I looked at a couple of Shakespeare marine HF antennas but they don't
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> > NVIS use.
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> >
> > Any ideas?
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> > Rick WA1RKT
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32431. RE: AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 16:10:57 UTC
From: William Collister
Topic: 32395 Message: 32431

Fair Radio in Ohio (USA) is an inexpensive source for these, i have some w/bases.

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Wed, 14 May 2014 08:44:32 +0000
Subject: AW: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or higher

What about using a "mil-whip" ???

The lower sections of these whip antennas can be screwed together with as much height as you need ... one top section, one mid section and as much bottom section as you want (only one bottom section gives a quarterwave for 10m ... but you also can screw 18-20 feet of them together)

For nvis do not bend over the roof but backwards

Then you have a "low dipole" for nvis where the mobile home is one thicker leg and the whip is the other leg (been there done that)

For lower bands you can extend that whip with a wire (either to front of the RV or better to a treetop backwards from the RV)

I used such a setup years ago on my car (shorter whip while mobile and longer whip while on a parking lot) ... together with a yaesu autotuner

For mobile and working 80 and 160 I cut one of the bottom sections in halves and added a coil in between (so shorter whip on low bands could be used)

These whips are cheap ... and very strong (touching a tree would not hurt the antenna) ... and as explained above you can use any length .. with or without added coil ... and with or without added top-loading wire

The only tricky thing is to mount the base on your rv ... but you sure can homebrew something :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 13. Mai 2014 20:34
> An: ham-antennas@yahoogroups.com

> Betreff: [ham-antennas] Portable vertical HF antennas for RV, 18 ft or
> higher
>
>
>
> Looking for a portable vertical HF antenna to mount on the back bumper of
> a 30-foot RV trailer for use from 3-30 MHz with an autotuner. Desired
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> antenna should be stiff enough to be self-supporting to its full height,
> yet flexible enough that it can be bent over the roof of the trailer and
> the top-end tied down for in-motion or NVIS use. Fiberglass construction
> is preferable over steel.
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> I tried a 108" stainless steel CB whip with some MFJ-1600T mast extenders
> but the MFJ mast extenders, even just one of them, are nowhere near strong
> enough to support a 108" whip and hold it vertical.
>
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> I looked at a couple of Shakespeare marine HF antennas but they don't look
> like they're able to be bent over and the tops secured, for in-motion or
> NVIS use.
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> Any ideas?
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>
> Rick WA1RKT
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>

32432. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 16:25:03 UTC
From: wa1rkt@...
Topic: 32395 Message: 32432

CS:>> "You must be using this trailer for a mobile EOC ."

That's correct. We removed the bed from the master bedroom in front, and the two bunks from the bunkroom in back next to the head. The bunkroom is now the radio room and the master bedroom is an open area for general use. We mounted a length of angle metal to the back of the trailer along its full width and have mounted several VHF-FM and Airband-AM antennas on that.

As for the Eagle One, I like your method of tying a wire to the top and running it off horizontally, Inverted-L style. That actually sounds like it has the best chance of working in our application. A couple of questions...

1. You can partially extend that antenna, right?... rather than having to extend it to its full length every time. I can see instances where we would want to extend it to maybe 15 feet at the most, and run the horizontal wire from there to a convenient tree.

2. Does it look like there is a reasonably easy way to mount that antenna on the square bumper on the back of the trailer, rather than on the ladder? I guess the ladder will work but the ladder on that trailer just really looks marginal to me, to the point where at 250 lbs I really don't feel secure climbing it... maybe just a little paranoia on my part.

Rick WA1RKT

32433. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 16:52:12 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32409 Message: 32433

I read (many years ago) -5%.. but that is STILL long....

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, May 14, 2014 10:14 AM
Subject: Re: [ham-antennas] Re: Will a loop give me a good signal?

Ok. Don't radials need to be a quarter wavelength plus 5%? That would be something like 130 feet, right?
73 de KC4BO
On May 14, 2014 10:08 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>I put in a W8AMZ reduced sloper on my tower and have worked some DX from San Diego with it. However it is a very noisy antenna on receive and I had to homebrew a K9AY loop to hear any of the stations that I worked otherwise I have S9+15 noise versus S7 noise with the receiving loop. Just another possible option. The antenna is limited to 1KW if that is concern.
>
>
>Keith
>AK6ZZ
>
>Sent from my iPhone please excuse typos
>
>On May 14, 2014, at 7:13 AM, "mikerodgerske5gbc@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
>>I would vote for the inverted L for 160 with 4 radials.
>>
>>It wouldn't be too hard to dig just 4 in if that would please the xyl.
>>
>>73
>>Mike R
>>
>>There's more behind this picture than the wall.
>>-Doyle Lawson
>>

32434. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 17:12:18 UTC
From: Chuck Schultz
Topic: 32395 Message: 32434

Be my guest with the partial raising of the antenna . There is only one restriction . The antenna is actually just a wire running inside the fibre glass support, so when not fully extended the excess wire is bunched up causing all kinds of problems. A simple fix is joints in the wire at select spots to remove the loops . I actually have traveled with my antenna only extended to the height of my AC units. I shorten the wire to length using connectors at the proper point to re-insert the full length when fully raised. Yes, while this tunes 10 meters easily it also listens to the truckers running down the interstates . After 35 years of Hamming I still listen in to that jargon that I never mastered . On your ladder , I would not worry . The load is not all that great with the antenna and even though in the industry your trailer is referenced to as " Stick & Tin " construction and as cheap as it was built it still had reinforcement behind the skin for the ladder. The frame will provide an adequate ground plane but a couple more are easily added . I use a couple 12" nails at the end of two 30' wires with an alligator clip to make the connection . They store easy.....just wrap the wire around the nail .....the nail is easy to shove into the ground and then retrieve. It is a fun antenna to play with.....I considered one for two years before purchasing . Chuck Wq5B
On 5/14/2014 11:25 AM, wa1rkt@... [ham-antennas] wrote:
>
> CS:>> "You must be using this trailer for a mobile EOC ."
>
> That's correct. We removed the bed from the master bedroom in front,
> and the two bunks from the bunkroom in back next to the head. The
> bunkroom is now the radio room and the master bedroom is an open area
> for general use. We mounted a length of angle metal to the back of the
> trailer along its full width and have mounted several VHF-FM and
> Airband-AM antennas on that.
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> Rick WA1RKT
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32435. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 17:51:22 UTC
From: Brian Carling
Topic: 32409 Message: 32435

Radials do not need to be that long underneath the vertical antenna if it is ground mounted.

Best regards - Bry Carling

> On May 14, 2014, at 10:14 AM, "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Ok. Don't radials need to be a quarter wavelength plus 5%? That would be something like 130 feet, right?
> 73 de KC4BO
>
>> On May 14, 2014 10:08 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>> I put in a W8AMZ reduced sloper on my tower and have worked some DX from San Diego with it. However it is a very noisy antenna on receive and I had to homebrew a K9AY loop to hear any of the stations that I worked otherwise I have S9+15 noise versus S7 noise with the receiving loop. Just another possible option. The antenna is limited to 1KW if that is concern.
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>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
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>>> On May 14, 2014, at 7:13 AM, "mikerodgerske5gbc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>>> I would vote for the inverted L for 160 with 4 radials.
>>>
>>> It wouldn't be too hard to dig just 4 in if that would please the xyl.
>>>
>>> 73
>>> Mike R
>>>
>>> There's more behind this picture than the wall.
>>> -Doyle Lawson
>
>

32436. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 19:26:26 UTC
From: Andy
Topic: 32409 Message: 32436

"Don't radials need to be a quarter wavelength plus 5%?"

ONLY if they are elevated radials! Sometimes called a counterpoise wire.

In or on the ground, the length more or less doesn't matter (well, it does somewhat, but it's different). What you read about quarter wavelength +5% does not apply to ground-mounted or buried radials. Putting the wires on/in the ground changes everything about them.

Andy

32437. Re: [ham-antennas] Re: Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-14 20:10:23 UTC
From: Frank Kirschner
Topic: 32409 Message: 32437

I thought I'd throw in my two cents...

I have a 102' doublet fed with 450 ohm window line, which works fine with a wide-range tuner from 80 m to 30 m. (It actually works on the higher bands, too, but I have a Yagi now.)

For 160, I short the two conductors of the window line and load it against six ground radials. I feed it with about five feet of coax directly to the tuner. It works fine. I put the ground radials about a half inch into the soil, and within a week you couldn't see where they were.

I'd do a long inverted-L or a loop if I had enough room, though.

73,
Frank
KF6E

32438. Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 01:11:25 UTC
From: kd2bhm@...
Topic: 32438 Message: 32438

I am looking for suggestions on a new antenna or two. Right now I have a G5RV mini up about 35 ft. I mainly operate on 20m and 10m right now but would love to start working 40m and 80m if possible. I rent so I am unable to do more than put up wire antennas in trees.

The lot I have to work with is 53ft wide with a tree in between causing a 23ft/30ft split in an E/W direction. Another option is 113ft with nothing in between heading in a NW/SE direction. The last option is 116ft with the same tree in the middle as the first configuration but this time causing a 46ft/70ft split in a SE/NW direction.

Thanks for the suggestions,
Justin
K2SAF

32439. ten-tech news

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 02:30:48 UTC
From: t2kb3ysu2@...
Topic: 32439 Message: 32439

looking for a larger warehouse Ten-Tec & Alpha Merge!!!
http://forums.qrz.com/showthread.php?t=435965
by W5XJ http://www.qrz.com/db/W5XJ 2014-05-12 15:59:1765 comments Wow I was expecting a new radio announcement not this. Ten-Tec has merged with Alpha Amps. Below is from email that came today. Announcing the Merger of Alpha Amplifiers & TEN-TEC Alpha Amplifiers and TEN-TEC Merge Under RF Concepts Banner LONGMONT, Colo.- May 9, 2014 - Announcing today the merger of... Ten-Tec & Alpha Merge!!! http://forums.qrz.com/showthread.php?t=435965

http://forums.qrz.com/showthread.php?t=435965

Ten-Tec & Alpha Merge!!! http://forums.qrz.com/showthread.php?t=435965 Wow I was expecting a new radio announcement not this. Ten-Tec has merged with Alpha Amps. Below is from email that came today. Announcing th...

View on forums.qrz.com http://forums.qrz.com/showthread.php?t=435965
Preview by Yahoo

32440. Re: [ham-antennas] Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 02:53:23 UTC
From: Jim Bennett
Topic: 32438 Message: 32440

Justin,

I live in an area that the CC&R/HOA stuff says "no ham antennas", but that hasn't stopped me. I've been a ham for almost 50 years and the absolute best antenna I have ever had is the one I'm currently using for 40-6 meters: an 88 foot long doublet, center fed at 45 feet with 450 ohm ladder line. Both ends droop down a few feet, as my center supporting mast isn't exactly in the center. That ladder line runs to the outside of the shack, where I have a 4:1 current balun, and from there to my rig is RG-8X for about 10 feet. I have an Elecraft K3/KAT500/KPA500 for my rig, in addition to an Elecraft KX3. The tuners in the K3 and the KX3, along with the KAT500 tuner, have no trouble matching that antenna to 50 ohms. Using that doublet (and an Inverted L for 80 meters), I managed to accomplish Five Band Worked All States (5BWAS) in just under 3-1/2 years. And those years were divided between ham radio and active family life with two young kids.

There is nothing magical about the 88 foot length - it was just convenient. If you can up up a 90 foot doublet on that SE/NW heading, I think you'll have a great antenna system. You WILL need a balun, and you WILL need a tuner. But the antenna will work quite well - the higher, the better. I'm pretty confident that it'll also work on 80 meters. My 88-foot antenna loads OK on 80, but the Inverted L is a much better antenna for my situation.

Also, I'm using #26 "silky coat" wire from The Wireman in South Carolina - it is thin but almost invisible. No problem in those three years using this wire and up to 500 watts out.

Hope that helps, Jim / W6JHB
Folsom, CA

On Wednesday, May 14, 2014, at Wednesday, 6:11 PM, kd2bhm@... [ham-antennas] wrote:

>
> I am looking for suggestions on a new antenna or two. Right now I have a G5RV mini up about 35 ft. I mainly operate on 20m and 10m right now but would love to start working 40m and 80m if possible. I rent so I am unable to do more than put up wire antennas in trees.
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>
>
> The lot I have to work with is 53ft wide with a tree in between causing a 23ft/30ft split in an E/W direction. Another option is 113ft with nothing in between heading in a NW/SE direction. The last option is 116ft with the same tree in the middle as the first configuration but this time causing a 46ft/70ft split in a SE/NW direction.
>
>
>
> Thanks for the suggestions,
>
> Justin
>

> K2SAF
>
>
>

32441. RE: [ham-antennas] Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 13:13:04 UTC
From: Dave Patrick
Topic: 32438 Message: 32441

Hi,

Can I suggest an HF10 Western (see Eham reviews). It's a half size G5RV variant and works really well. I feed mine with twin feeder for even more efficiency.

Kind regards

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: kd2bhm@... [ham-antennas]
Sent: 15/05/2014 02:11
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna Suggestions

I am looking for suggestions on a new antenna or two. Right now I have a G5RV mini up about 35 ft. I mainly operate on 20m and 10m right now but would love to start working 40m and 80m if possible. I rent so I am unable to do more than put up wire antennas in trees.

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Thanks for the suggestions,

Justin

K2SAF

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; }

.attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

32442. Regarding the Ground Radials

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 16:37:44 UTC
From: kb8nty@...
Topic: 32442 Message: 32442

Regarding the ground radials...check out: the Ground Radial Yahoo User Group
Yahoo Groups https://groups.yahoo.com/neo/groups/groundradial/info

A fast easy way to install the ground radials without any digging or trenching see:
http://rossradio.net http://rossradio.net

73-Ross KB8NTY

Yahoo Groups https://groups.yahoo.com/neo/groups/groundradial/info Yahoo! Groups offers free mailing lists, photo & file sharing, group calendars and more. Discuss hot topics, share interests, join online communities.

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/groundradial/info
Preview by Yahoo

32443. "New Balun" Failure

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 17:02:12 UTC
From: p_chap@...
Topic: 32443 Message: 32443

A couple of days ago after finishing a few chores, retired to the shack for what was to be an hour or so of 40 meter QSO's on the 7410 before retiring to bed. I was greeted with about the right noise and signal strength on the band. However due to the pulsating buzz type noise and badly distorted receive audio, It turned into a troubleshooting evening. Changed antennas, went to 20 meters, all is good. Switched the 40 mtr antenna (double bazooka) to the Icom 718, got the same pulsing buzz and audio distortion. Put the analyzer on the antenna, SWR up to about 1.2 : 1 up about 1 point. Still, I figured the antenna was somehow fried from the windy storm the previous night. Dark and late.....check it tomorrow I figured. When I got home the next day, climbed up on the roof to find the feedline had made four nice compact wraps around the Arrow 144/440 JPole. (physically three vertical rods screwed into a base mounted on a plumbing roof stack) I unraveled my new balun, and all is well again. I also ran other measurements with the AA-54 and will compare to what normal really is.

When things like that happen, it makes me very happy I spent the bucks on setting up the three Alpha Delta console type coax switches. It takes the pain out of troubleshooting.

Paul,
WA4NUN

32444. RE: [ham-antennas] Regarding the Ground Radials

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 17:02:52 UTC
From: Ray, W4BYG
Topic: 32442 Message: 32444

Ross,
Regarding your leader:

"A fast easy way to install the ground radials without any digging or trenching see:"

<http://rossradio.net/> http://rossradio.net

There is a myriad of information here, way to much to wade thru in one sitting. Where is the specific reference a "fast way to install...without digging or trenching"?

Ray, W4BYG

"The Republic (America), can survive a fool like Barack Obama, who is after all, merely a fool. It is less likely to survive a multitude of fools, such as those who made him their president." Vaclav Klaus, Former Premier Czech Republic

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, May 15, 2014 12:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Regarding the Ground Radials

Regarding the ground radials...check out: the Ground Radial Yahoo User Group

Yahoo Groups <https://groups.yahoo.com/neo/groups/groundradial/info>

A fast easy way to install the ground radials without any digging or trenching see:

http://rossradio.net

73-Ross KB8NTY

<https://groups.yahoo.com/neo/groups/groundradial/info> Yahoo Groups
Yahoo! Groups offers free mailing lists, photo & file sharing, group calendars and more. Discuss hot topics, share interests, join online communities.

<https://groups.yahoo.com/neo/groups/groundradial/info> View on groups.yahoo.com
Preview by Yahoo

32445. Re: [ham-antennas] Will a loop give me a good signal?

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 18:12:48 UTC
From: Brian Carling
Topic: 32409 Message: 32445

A loop in the vertical plane is like a single element cubical quad and makes a great DX antenna!

Best regards - Bry Carling

> On May 13, 2014, at 9:47 PM, "jeffrey kohel fishmouthe@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Alex a freind of mine put a loop up like you describe, and he talks all over the states and europe. Easily
>
>
> On Tuesday, May 13, 2014 9:35 PM, "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Would I use the inverted L as a vertical with the feed point at ground level? Radials might be a problem, as the XYL might not like them strung out over the lawn. I do not think I can get the feedpoint above ground level. Would 2 groundplanes work? Maybe 4?
>
> Would love to use my amp, but it (SB-200) only goes to 80 (slight frown...).
>
> 73
>
> Alex Netherton
> http://blueridgediscovery.org
> Amateur Radio call KC4BO (1979)
>
>
> On Tue, May 13, 2014 at 9:22 PM, Artek Manuals nr1dx@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Because the loop is basically a horizontally polarized antenna at 40' it will be cloud burner. A better choice for working WAS and some DX from 4 land would be an inverted L. Sounds like you have a decent sized yard so maybe even two inverted L's fed in phase switchable broadside and end-fire. With a 45' high inverted L, I owrked 68 countries on 160M the first winter I put it up and that from what is known as the "black hole" (upper midwest) for 160 M. The other part of making the L work is ground radials at least 16 ..more than 50 is not worth the effort. An amp for 160 is also advantages more so than any other band...
>
> Good luck and welcome to top band
>
> Dave
> NR1DX
>

>
>> On 5/13/2014 8:06 PM, Alex Netherton anetherton@... [ham-antennas] wrote:
>>
>> Hi folks;
>> I am looking to get up an antenna for 160 meters, since my rig has this band - I never bothered with it because my former rigs didn't have it, and you con't miss what you don't have. I have tried a 1/4 wave wire, and got dismal reports.
>>
>> I am interested in doing a loop (560 feet!), which I think I can do if I encircle the yard. I will feed it with a balanced lader wire and a tuner.
>>
>> The question is, will it give me a decent take off angle, or will it be a "cloud burner". I will only be able to get it to about 40 or so feet in the trees here.
>>
>> I know many crave an NVIS antenna, but I do not. I do not work MARS, and ARES is only part of my Amateur pursuits; I can get an NVIS up in a few minutes anyway if I need one.
>>
>> So, for a 160 loop at around 30 feet, what will be my takeoff angle? Will I be stuck working 100 miles or less from my QTH, or will I be able to go further? Plus, what will it be on the other bands?
>>
>> Thanks and 73
>>
>> Alex Netherton
>> http://blueridgediscovery.org
>> Amateur Radio call KC4BO (1979)
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>
>
>
>

32446. Re: Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 21:32:00 UTC
From: kd2bhm@...
Topic: 32438 Message: 32446

Jim,

Thanks for the suggestion. Does the ladder line need to be a certain length? I just moved from an HOA and the only thing I could fit was this inverted V G5RV mini that is only about 45ft long. I have a LDG AT200ProII so that should be able to tame things. Thanks again for the suggestion.

Thanks and 73,
Justin K2SAF

---In ham-antennas@yahoogroups.com, <w6jhb@...> wrote :

Justin,

I live in an area that the CC&R/HOA stuff says "no ham antennas", but that hasn't stopped me. I've been a ham for almost 50 years and the absolute best antenna I have ever had is the one I'm currently using for 40-6 meters: an 88 foot long doublet, center fed at 45 feet with 450 ohm ladder line. Both ends droop down a few feet, as my center supporting mast isn't exactly in the center. That ladder line runs to the outside of the shack, where I have a 4:1 current balun, and from there to my rig is RG-8X for about 10 feet. I have an Elecraft K3/KAT500/KPA500 for my rig, in addition to an Elecraft KX3. The tuners in the K3 and the KX3, along with the KAT500 tuner, have no trouble matching that antenna to 50 ohms. Using that doublet (and an Inverted L for 80 meters), I managed to accomplish Five Band Worked All States (5BWAS) in just under 3-1/2 years. And those years were divided between ham radio and active family life with two young kids.

There is nothing magical about the 88 foot length - it was just convenient. If you can up up a 90 foot doublet on that SE/NW heading, I think you'll have a great antenna system. You WILL need a balun, and you WILL need a tuner. But the antenna will work quite well - the higher, the better. I'm pretty confident that it'll also work on 80 meters. My 88-foot antenna loads OK on 80, but the Inverted L is a much better antenna for my situation.

Also, I'm using #26 "silky coat" wire from The Wireman in South Carolina - it is thin but almost invisible. No problem in those three years using this wire and up to 500 watts out.

Hope that helps, Jim / W6JHB
Folsom, CA

32447. Re: [ham-antennas] Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-15 22:00:42 UTC
From: Jim Bennett
Topic: 32438 Message: 32447

Justin,

Just about any length will do. As I mentioned, a 4:1 or 1:1 current balun between COAX and ladder line is essential. Run the ladder line a minimum of 6" away from any metallic objects, like rain gutters, metal buildings, etc. That LDG tuner ought to be fine.

Jim / W6JHB

On Thursday, May 15, 2014, at Thursday, 2:32 PM, kd2bhm@... [ham-antennas] wrote:

> Jim,
>
>
> Thanks for the suggestion. Does the ladder line need to be a certain length? I just moved from an HOA and the only thing I could fit was this inverted V G5RV mini that is only about 45ft long. I have a LDG AT200ProII so that should be able to tame things. Thanks again for the suggestion.
>
> Thanks and 73,
> Justin K2SAF
>
>
> ---In ham-antennas@yahoogroups.com, <w6jhb@...> wrote :
>
> Justin,
>
> I live in an area that the CC&R/HOA stuff says "no ham antennas", but that hasn't stopped me. I've been a ham for almost 50 years and the absolute best antenna I have ever had is the one I'm currently using for 40-6 meters: an 88 foot long doublet, center fed at 45 feet with 450 ohm ladder line. Both ends droop down a few feet, as my center supporting mast isn't exactly in the center. That ladder line runs to the outside of the shack, where I have a 4:1 current balun, and from there to my rig is RG-8X for about 10 feet. I have an Elecraft K3/KAT500/KPA500 for my rig, in addition to an Elecraft KX3. The tuners in the K3 and the KX3, along with the KAT500 tuner, have no trouble matching that antenna to 50 ohms. Using that doublet (and an Inverted L for 80 meters), I managed to accomplish Five Band Worked All States (5BWAS) in just under 3-1/2 years. And those years were divided between ham radio and active family life with two young kids.
>
> There is nothing magical about the 88 foot length - it was just convenient. If you can up up a 90 foot doublet on that SE/NW heading, I think you'll have a great antenna system. You WILL need a balun, and you WILL need a tuner. But the antenna will work quite well - the higher, the better. I'm pretty confident that it'll also work on 80 meters. My 88-foot antenna loads OK on 80, but the Inverted L is a much better antenna for my situation.
>
> Also, I'm using #26 "silky coat" wire from The Wireman in South Carolina - it is thin but almost invisible. No problem in those three years using this wire and up to 500 watts out.

>
> Hope that helps, Jim / W6JHB
> Folsom, CA
>
>
>

32448. Re: [ham-antennas] Regarding the Ground Radials

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 01:26:01 UTC
From: Dave Daniel
Topic: 32442 Message: 32448

It took me a minute as well ... see

http://www.rossradio.net/ground-radial-staple-pins-2/

73
Dave
KC0WJN

On 5/15/2014 11:02 AM, 'Ray, W4BYG' w4byg@... [ham-antennas] wrote:
>
> Ross,
> Regarding your leader:
> "A fast easy way to install the ground radials without any digging or
> trenching see:"
>
> http://rossradio.net <http://rossradio.net/>
>
> There is a myriad of information here, way to much to wade thru in one
> sitting. Where is the specific reference a "fast way to
> install...without digging or trenching"?
>
> Ray, W4BYG
>
> */"The Republic (America), can survive a fool like Barack Obama, who
> is after all, merely a fool. It is less likely to survive a
> multitude of fools, such as those who made him their president."
> Vaclav Klaus, Former Premier Czech Republic/*
>
>
> ---
> *From:* ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Thursday, May 15, 2014 12:38 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Regarding the Ground Radials
>
> Regarding the ground radials...check out: the Ground Radial Yahoo User
> Group
>
> Yahoo Groups <https://groups.yahoo.com/neo/groups/groundradial/info>
>
>
> A fast easy way to install the ground radials without any digging or
> trenching see:
>
> http://rossradio.net

>
>
> 73-Ross KB8NTY
>
>
>
>
>
>
> Yahoo Groups <https://groups.yahoo.com/neo/groups/groundradial/info>
> Yahoo! Groups offers free mailing lists, photo & file sharing, group
> calendars and more. Discuss hot topics, share interests, join online
> communities.
>
> View on groups.yahoo.com
> <https://groups.yahoo.com/neo/groups/groundradial/info>
>
> Preview by Yahoo
>
>

32449. Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 02:07:06 UTC
From: Goldtr8 (KD8NNU)
Topic: 32449 Message: 32449

Hi Guys,

I just installed a new screwdriver antenna on my Ram pickup this weekend and it was working really good until today. It tuned up I did some bonding and I was happy and going to work on finer details for just making it a better installation.

The problem is that it will not tune 20m band anymore as of today. I have tried different coax, different whip lengths with and without a matching coil and it won't tune in for that band. Plus it tuned 10m just fine on Sunday but today it is not short enough for that band either.

Its been raining non-stop since Monday and I am thinking that its moisture inside the antenna or connections. But I am really clueless.

I called gent who makes the antenna and he thought water in the coax but I put a short section directly at the antenna and still same problem.

So anyone have ideas you can kick over to me to look for I am really stumped. I never had any issues on the old antenna with the Jeep so this is really got me clue less.

Thanks
Don

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

32450. Re: [ham-antennas] Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 02:56:18 UTC
From: Artek Manuals
Topic: 32449 Message: 32450

Don

If you have eliminated the coax...then it is possible that screwdriver antenna coil is wet espcially if you were running it up and down in the rain. Take the antenna off and place it under some heat lamps for the night to try and dry it out. Blow it out with compressed air etc

Once you have convinced your self that the coil is REALLY DRY and it is still not tuning then the next suspect (though unlikely) is the bonding changed the ground plane characteristics. Remove the bonding and see if it returns to life that way. When you said you "did some bonding" give more precise details

Dave

NR1DX

On 5/15/2014 9:07 PM, 'Goldtr8 (KD8NNU)' goldtr8@...
[ham-antennas] wrote:
>
> Hi Guys,
> I just installed a new screwdriver antenna on my Ram pickup this
> weekend and it was working really good until today. It tuned up I
> did some bonding and I was happy and going to work on finer details
> for just making it a better installation.
> The problem is that it will not tune 20m band anymore as of today. I
> have tried different coax, different whip lengths with and without a
> matching coil and it won?EUR^(TM)t tune in for that band. Plus it
> tuned 10m just fine on Sunday but today it is not short enough for
> that band either.
> Its been raining non-stop since Monday and I am thinking that its
> moisture inside the antenna or connections. But I am really clueless.
> I called gent who makes the antenna and he thought water in the coax
> but I put a short section directly at the antenna and still same problem.
> So anyone have ideas you can kick over to me to look for I am really
> stumped. I never had any issues on the old antenna with the Jeep so
> this is really got me clue less.
> Thanks
> Don
> ~73
> Don
> KD8NNU
> -.- -.. ---.. -. -. ..-
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32451. Re: [ham-antennas] Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 03:34:05 UTC
From: Mr Wilton
Topic: 32449 Message: 32451

Add RF earth strap to chassis from close to aerial base in Mount.?
I use flattened braid from RG8 coax.

Simon VA3SII G7HCD Woodstock Ontario

--
Kindest Regards

Simon N Wilton (IT Consultant)

"The Wisest Investment You"ll Ever Make Is In YOURSELF - Have fun everyday"
and remember
When you're right, no one remembers. When you're wrong, no one forgets.
On May 15, 2014 10:56 PM, "Artek Manuals nr1dx@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Don
>
> If you have eliminated the coax...then it is possible that screwdriver
> antenna coil is wet espcially if you were running it up and down in the
> rain. Take the antenna off and place it under some heat lamps for the
> night to try and dry it out. Blow it out with compressed air etc
>
> Once you have convinced your self that the coil is REALLY DRY and it is
> still not tuning then the next suspect (though unlikely) is the bonding
> changed the ground plane characteristics. Remove the bonding and see if it
> returns to life that way. When you said you "did some bonding" give more
> precise details
>
> Dave
>
> NR1DX
>
>
>
> On 5/15/2014 9:07 PM, 'Goldtr8 (KD8NNU)' goldtr8@...[ham-antennas] wrote:
>
>
>
> Hi Guys,
>
>
> I just installed a new screwdriver antenna on my Ram pickup this weekend

> and it was working really good until today. It tuned up I did some
> bonding and I was happy and going to work on finer details for just making
> it a better installation.
>
> The problem is that it will not tune 20m band anymore as of today. I
> have tried different coax, different whip lengths with and without a
> matching coil and it wonâ€™t tune in for that band. Plus it tuned 10m
> just fine on Sunday but today it is not short enough for that band either.
>
> Its been raining non-stop since Monday and I am thinking that its moisture
> inside the antenna or connections. But I am really clueless.
>
> I called gent who makes the antenna and he thought water in the coax but I
> put a short section directly at the antenna and still same problem.
>
> So anyone have ideas you can kick over to me to look for I am really
> stumped. I never had any issues on the old antenna with the Jeep so this
> is really got me clue less.
>
> Thanks
> Don
>
>
>
> ~73
> Don
> KD8NNU
> -.- -.. ---.. -. -. ..-
>
>
>
> --
> DaveManuals@...ekManuals.com
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

32452. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 03:57:26 UTC
From: Alex Netherton
Topic: 32395 Message: 32452

<<After 35 years of Hamming I still listen in to that jargon that I never mastered . >>

HAHAHA!!! I do too! When the DX is slow, I will go to 27.025 (Channel 6) and listen to the big boys duke it out! What a show! I was listening on my FT-950 the other day, and heard a guy calling himself "Painkiller" just blanking everybody with a s-9 + 20 over signal. Now, somebody with a signal like that on AM? Must have a big light bill! 'Course, listening to 27.025 can give you an idea of propagation without having to chase down beacons on 10 meters!

I got lost when "Good Buddy" got to mean something else, and they started calling everybody "driver". Only talked on that band a few times, and then got a Ham ticket. Never looked back.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Wed, May 14, 2014 at 1:12 PM, Chuck Schultz wq5b@...[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Be my guest with the partial raising of the antenna . There is only one
> restriction . The antenna is actually just a wire running inside the fibre
> glass support, so when not fully extended the excess wire is bunched up
> causing all kinds of problems. A simple fix is joints in the wire at
> select spots to remove the loops . I actually have traveled with my
> antenna only extended to the height of my AC units. I shorten the wire to
> length using connectors at the proper point to re-insert the full length
> when fully raised. Yes, while this tunes 10 meters easily it also
> listens to the truckers running down the interstates . After 35 years of
> Hamming I still listen in to that jargon that I never mastered . On
> your ladder , I would not worry . The load is not all that great with the
> antenna and even though in the industry your trailer is referenced to as "
> Stick & Tin " construction and as cheap as it was built it still had
> reinforcement behind the skin for the ladder. The frame will provide an
> adequate ground plane but a couple more are easily added . I use a couple
> 12" nails at the end of two 30' wires with an alligator clip to make the
> connection . They store easy.....just wrap the wire around the nail
> .....the nail is easy to shove into the ground and then retrieve.
> It is a fun antenna to play with.....I considered one for two

> years before purchasing . Chuck Wq5B
> On 5/14/2014 11:25 AM, wa1rkt@... [ham-antennas] wrote:
>
>
>
> CS:>> "You must be using this trailer for a mobile EOC ."
>
> That's correct. We removed the bed from the master bedroom in front, and
> the two bunks from the bunkroom in back next to the head. The bunkroom is
> now the radio room and the master bedroom is an open area for general use.
> We mounted a length of angle metal to the back of the trailer along its
> full width and have mounted several VHF-FM and Airband-AM antennas on that.
>
>
> Rick WA1RKT
>
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast!
Antivirus<http://www.avast.com/>protection is active.
>
>
>

32453. Re: Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 16:42:08 UTC
From: soona4sail@...
Topic: 32438 Message: 32453

this may give you some options, and you can easily build it yourself.

The All Band HF Doublet - 80 thru 10 Meter Ladder Line Multiband Antenna
http://www.hamuniverse.com/hfdoublet.html

http://www.hamuniverse.com/hfdoublet.html

The All Band HF Doublet - 80 thru 10 Meter Ladder Line M...
http://www.hamuniverse.com/hfdoublet.html Shown with standard TV type 300 ohm ribbon line
Details and construction

View on www.hamuniverse.com http://www.hamuniverse.com/hfdoublet.html
Preview by Yahoo

Good luck and 73

32454. Re: [ham-antennas] Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 17:33:02 UTC
From: goldtr8@...
Topic: 32449 Message: 32454
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

32455. Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 22:18:09 UTC
From: w6jhb@...
Topic: 32390 Message: 32455

Guys - thanks for the comments. It appears that the only players in this market are DX Engineering and Texas Towers. I has hoping there would be others out there, but based on responses in this Yahoo group, it appears not.

Thanks & 73 - Jim / W6JHB

32456. Re: [ham-antennas] Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-16 23:02:33 UTC
From: Todd F. Carney / K7TFC
Topic: 32390 Message: 32456

Since most of the aluminum tubing used in the world has nothing to do with ham radio, by Googling "aluminum tubing suppliers" you'll turn up dozens of suppliers, a good number of which specialize in small-quantity orders. UPS will ship up to 105" lengths. DX and other ham suppliers use truck shipping to longer lengths. So do the ones you'll find using Google.

Here are a few excellent examples:

http://www.speedymetals.com/c-8371-round-tube.aspx

http://www.onlinemetals.com/merchant.cfm?sortby=od&step=2&id=71&showunits=inches

https://www.metalsdepot.com/products/alum2.phtml?page=rndtube&LimAcc=%20&aident=

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
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On Fri, May 16, 2014 at 10:18 PM, w6jhb@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Guys - thanks for the comments. It appears that the only players in this
> market are DX Engineering and Texas Towers. I has hoping there would be
> others out there, but based on responses in this Yahoo group, it appears
> not.
>
> Thanks & 73 - Jim / W6JHB
>
>
>

32457. Re: [ham-antennas] Re: Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-05-17 01:58:19 UTC
From: Alex Netherton
Topic: 32438 Message: 32457

Yes, I have one of those. I was in a hurry, so bought one
(MFJ-1777<http://www.mfjenterprises.com/Product.php?productid=MFJ-1777>),
but I have built several. You can also cut one for 40. It becomes a double
Zepp on 20 (1.9 dB
over a dipole), an extended double Zepp on 15 (2.3 or so dB) and is very
effective and directional. I am going to convert my 20 meter dipole to one
of those, removing the coax and replacing it with balanced line. A better
name would be "multi-band", as the one shown will not work on 160 without
some fiddling.

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Fri, May 16, 2014 at 12:42 PM, soona4sail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> this may give you some options, and you can easily build it yourself.
>
>
>
> The All Band HF Doublet - 80 thru 10 Meter Ladder Line Multiband
Antenna<http://www.hamuniverse.com/hfdoublet.html>
> [image: image] <http://www.hamuniverse.com/hfdoublet.html>
> The All Band HF Doublet - 80 thru 10 Meter Ladder Line M...
> <http://www.hamuniverse.com/hfdoublet.html>
> Shown with standard TV type 300 ohm ribbon line Details and construction
> View on www.hamuniverse.com
> <http://www.hamuniverse.com/hfdoublet.html>
> Preview by Yahoo
>
>
> Good luck and 73
>
>
>

32458. Re: [ham-antennas] Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-17 04:19:03 UTC
From: KA4INM radio
Topic: 32390 Message: 32458

On 05/16/14 18:18, w6jhb@... [ham-antennas] wrote:

> Guys - thanks for the comments. It appears that the only players in this
> market are DX Engineering and Texas Towers. I has hoping there would be
> others out there, but based on responses in this Yahoo group, it appears
> not.

and: http://www.penningerradio.com/

and:

Tube Service Co.
666 South Milpitas Boulevard
Milpitas, CA 95035
(408) 946-5500, (800) 669-2169

Dillsburg Aerospace Works
Charles T. Vogelsong
114 Sawmill Road
Dillsburg, PA 17019
(717) 384-5865
send 3 First-Class stamps for a price list

Allen Steel
East Bayshore Road & Whipple
Redwood City, CA 94059
(650) 369-2526

are listed.

--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32459. Re: [ham-antennas] Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-17 07:08:58 UTC
From: Todd F. Carney / K7TFC
Topic: 32390 Message: 32459

Friendly correction: it's Alan Steel, not Allen Steel. Here's a web site with reviews:

http://www.yelp.com/biz/alan-steel-and-supply-redwood-city

If you live in the vicinity of Medford, Oregon, there's also White City Metals:

http://www.whitecitymetalssupplyor.com/
http://www.yelp.com/biz/white-city-metals-and-supply-white-city

That's where I get my stuff. It's only three miles from my QTH.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
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On Sat, May 17, 2014 at 4:19 AM, KA4INM radio ka4inm@...[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 05/16/14 18:18, w6jhb@... [ham-antennas] wrote:
>
> > Guys - thanks for the comments. It appears that the only players in this
> > market are DX Engineering and Texas Towers. I has hoping there would be
> > others out there, but based on responses in this Yahoo group, it appears
> > not.
>
> and: http://www.penningerradio.com/
>
> and:
>
> Tube Service Co.
> 666 South Milpitas Boulevard
> Milpitas, CA 95035
> (408) 946-5500, (800) 669-2169
>
> Dillsburg Aerospace Works

> Charles T. Vogelsong
> 114 Sawmill Road
> Dillsburg, PA 17019
> (717) 384-5865
> send 3 First-Class stamps for a price list
>
> Allen Steel
> East Bayshore Road & Whipple
> Redwood City, CA 94059
> (650) 369-2526
>
> are listed.
>
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
>
>

32460. Aluminum Tubing Suppliers - Richardson Texas

Yahoo group: ham-antennas (2014)
Date: 2014-05-17 12:07:55 UTC
From: W1JCW
Topic: 32390 Message: 32460

If you're in the Dallas Texas area, Richardson Texas.

Trident Metals has anything you need.

73-

W1JCW

John

On Sat, May 17, 2014 at 4:19 AM, KA4INM radio ka4inm@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

On 05/16/14 18:18, w6jhb@... [ham-antennas] wrote:

> Guys - thanks for the comments. It appears that the only players in this
> market are DX Engineering and Texas Towers. I has hoping there would be
> others out there, but based on responses in this Yahoo group, it appears
> not.

32461. db-224 wiring harness

Yahoo group: ham-antennas (2014)
Date: 2014-05-17 12:27:51 UTC
From: terryn0wjh@...
Topic: 32461 Message: 32461

```
has anyone ever rebuilt a db-224 wiring harness ???
how would you rate the job ??/
NEVER AGAIN TO not bad thanks in advance terry N0WJH
```

32462. Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-18 03:53:49 UTC
From: james27613@...
Topic: 32390 Message: 32462

hi

Not just an aluminum supplier, the 80/20 company has
their 'Garage Sale' ebay store for lots of aluminum items
from their line of T slot framing systems,
"The Industrial Erector Set"

http://stores.ebay.com/8020-Inc-Garage-Sale http://stores.ebay.com/8020-Inc-Garage-Sale

73 james ke4drn

32463. Re: [ham-antennas] Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 14:29:50 UTC
From: farrerfolks@...
Topic: 32449 Message: 32463

Hi,

I always used a motorcycle boot on the coil for the rain and bug spatter problem. On the bonding, you can go to a NAPA auto store and buy any length of battery strap braid you want.

Mel, K6KBE

32464. Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 21:33:02 UTC
From: crrestoration@...
Topic: 32464 Message: 32464

Hi all,

I have an AV-18AVQII vertical that is ground mounted (HOA)
in the corner of my small yard.

I am using this for phone with my Kenwood 440sat.

Problem is I cannot hear anything except occassionaly at certain times/frequencies during the "grey line" morning or evening.

Not that I follow W1AW but have never heard but a faint CQ from any of them.

I have an analyser and have matched the bands to the lowest SWR with new RG8X coax.

I have installed half a dozen radials as long as possible.

Any suggestions will be welcomed,

Regards,
Chris

32465. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 21:37:05 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32465

On 19 May 2014 at 14:33, crrestoration@... [ham-antennas] wrote:

> I have an AV-18AVQII vertical that is ground mounted (HOA)
> in the corner of my small yard.
>
> I am using this for phone with my Kenwood 440sat.
>
> Problem is I cannot hear anything except occassionaly at certain
> times/frequencies during the "grey line" morning or evening.

That seems rather odd: what bands are you talking about?

Ken W7EKB

32466. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 21:41:57 UTC
From: crrestoration@...
Topic: 32464 Message: 32466

80, 40, 20, 15,10
All the bands the antenna was designed for.
I have tried cleaning, adjusting, tightening everything.
No luck,
Chris

32467. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 21:52:59 UTC
From: John Murphy
Topic: 32464 Message: 32467

Chris,

Have you checked the coil at the bottom of the antenna? I have a an AV18 ground mounted, with no radials, and I pick up plenty. Can we compare it to a 100’ tower with a beam? No but with HOA’s in place what else can we do. I think the problem might be around the coil at the bottom, the clip or the wire going from the coax to the clip. I had this same problem with a “hidden in a tree Jpole for 2 meter/440” and I switched out the coax with a new one and that worked. But I see that you tried that so I would suggest either the coil, or where the coax connects to the coil. Good Luck

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 19, 2014 3:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Hi all,

I have an AV-18AVQII vertical that is ground mounted (HOA)

in the corner of my small yard.

I am using this for phone with my Kenwood 440sat.

Problem is I cannot hear anything except occassionaly at certain times/frequencies during the "grey line" morning or evening.

Not that I follow W1AW but have never heard but a faint CQ from any of them.

I have an analyser and have matched the bands to the lowest SWR with new RG8X coax.

I have installed half a dozen radials as long as possible.

Any suggestions will be welcomed,

Regards,

Chris

32468. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 22:23:47 UTC
From: crrestoration@...
Topic: 32464 Message: 32468

John,

The newer AV18QII no longer has the loading coil at the bottom of the antenna.
(I'm thinking this is what you meant).
I'll take it down and look it over to make sure everything looks ok.

Thanks,
Chris

32469. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 22:30:44 UTC
From: KA4INM radio
Topic: 32464 Message: 32469

On 05/19/14 17:33, crrestoration@... [ham-antennas] wrote:

> I have an AV-18AVQII vertical that is ground mounted (HOA)
> in the corner of my small yard.
> I am using this for phone with my Kenwood 440sat.

> Problem is I cannot hear anything except occasionally at certain
> times/frequencies during the "grey line" morning or evening.

> Not that I follow W1AW but have never heard but a faint CQ from any of them.

> I have an analyzer and have matched the bands to the lowest SWR with new
> RG8X coax.

> I have installed half a dozen radials as long as possible.
> Any suggestions will be welcomed,

I would first test the antenna without the feedline putting the
analyzer as directly as possible at the feed point of the antenna to see
if the feedline is effecting things. (feedline disconnected)

Any large metal object near the antenna will mess it up, such as a
chain link fence.

You don't say where you live, but W1AW on 40 meters comes in about 10
- 20 over S9 in West central Florida and should put a good signal into
most of continental America, WWV on 2.5, 5, 10, 15, and 20 MHz should
put a good signal into your location in the evening or nights on one or
more of these frequencies just about every day, the higher frequencies
drop out as the MUF lowers during the evening except for when we are at
the peak of the sun's spot cycle.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32470. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 23:09:28 UTC
From: Chuck Schultz
Topic: 32464 Message: 32470

HOA or not your allowed to live there and make small temporary
experiments . Take a coax (old or new) with only a connector on
the radio end .....to the other end attach two wires
one to the center conductor the other to the shield . Do not worry about
lengths. Connect to the reciever and listen to all bands once again
.....feeling brave ? apply the tuner to a reasonable band
listen again. Do you hear anything ? You now know if you have an
antenna problem or you live in a Black Hole where no RF has gone before.
Now attack the obvious or advise the results for further
assistance . Chuck Wq5B

. l

On 5/19/2014 4:41 PM, crrestoration@... [ham-antennas] wrote:
>
> 80, 40, 20, 15,10
>
> All the bands the antenna was designed for.
>
> I have tried cleaning, adjusting, tightening everything.
>
> No luck,
>
> Chris
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32471. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-19 23:42:55 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32471

On 19 May 2014 at 14:41, crrestoration@... [ham-antennas] wrote:

>
>
> 80, 40, 20, 15,10
> All the bands the antenna was designed for.
> I have tried cleaning, adjusting, tightening everything.
> No luck,
> Chris

Hmmmm....sounds to me as though you have a shorted or open coax of "just the right length"....but you changed that once, as I recall.

Something ain't making contact somewhere, that's for sure. Or your receiver is defective.

Even on a piece of wet string (well...almost), I get WWV and W1AW loud and clear here in Northern Idaho.

A 4 foot long piece of wire on one of my WWII ARC-5 receivers does it from 2.5 MHz up through 40 meters, even inside the shack.

Someone suggested that you take a hunk of coax with a fitting on one end, connect two wires to the other end, one to shield and one to center, connect THAT to your receiver and see what you hear. Even lying on the ground, you should hear plenty of signals.

I agree with that.

Hang it on the fence, and it would double your signal strength.

Oh. One more thing: try to unscrew JUST the ground connection of your coax, leaving the center conductor connected to the receiver but making certain the shield is NOT connected to anything at all, and see if you hear anything then.

Maybe there is a problem with your receiver?

Ken W7EKB

32472. Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 01:33:29 UTC
From: w6jhb@...
Topic: 32472 Message: 32472

Hi - I'm getting ready to build a 30 meter vertical, using aluminum tubing sections. I built a model of it in EZNEC and the results are pretty much in line with what I have seen in the ARRL Antenna Book and other publications regarding verticals - their impedance is around 28 - 35 ohms. Obviously, after I build the vertical I'll put my AIM4170 on it and see exactly what the "real" world reading is.

If it comes out to be what was modeled, I was thinking maybe I'd build an Un-Un to match it to my RG-8 coax. I realize that the tuner in my K3 and the KAT500 can easily match the vertical's impedance to 50 ohms, but in the interest of experimentation, I thought about the Un-Un. Jerry Sevick's (SK) book on them shows one that is a 1.56:1 ratio, or 50:32 ohms, which is pretty darn close. He used a 1.5 inch OD ferrite core with a permeability of 250. Anyone know where such an animal can be obtained? What about higher permeability cores, like mix 43, having a permeability of 800 or more?

Jim / W6JHB

32473. Re: [ham-antennas] Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 02:02:03 UTC
From: Jim Atkins
Topic: 32472 Message: 32473

Jim, I made a 50:75 UNUN a couple of years ago and I used a core from Amidon. I believe it was the FT-150. I wound it according to Jerry’s book and it worked great. 73

Jim W4UX

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, May 19, 2014 9:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Un-Un Material For Vertical Antenna

Hi - I'm getting ready to build a 30 meter vertical, using aluminum tubing sections. I built a model of it in EZNEC and the results are pretty much in line with what I have seen in the ARRL Antenna Book and other publications regarding verticals - their impedance is around 28 - 35 ohms. Obviously, after I build the vertical I'll put my AIM4170 on it and see exactly what the "real" world reading is.

If it comes out to be what was modeled, I was thinking maybe I'd build an Un-Un to match it to my RG-8 coax. I realize that the tuner in my K3 and the KAT500 can easily match the vertical's impedance to 50 ohms, but in the interest of experimentation, I thought about the Un-Un. Jerry Sevick's (SK) book on them shows one that is a 1.56:1 ratio, or 50:32 ohms, which is pretty darn close. He used a 1.5 inch OD ferrite core with a permeability of 250. Anyone know where such an animal can be obtained? What about higher permeability cores, like mix 43, having a permeability of 800 or more?

Jim / W6JHB

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32474. RE: [ham-antennas] Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 02:25:44 UTC
From: Richard Schmuke
Topic: 32472 Message: 32474

You can raise the feed point and droop the radials to get a 50 ohm match. I did this with a 40M vertical and a wooden mast.

http://i1102.photobucket.com/albums/g453/KD0ZZ/Multi%20Band%20Vert/MBVert002_zps9674ed52.jpg

Drilling the wooden mast/tilt.

http://i1102.photobucket.com/albums/g453/KD0ZZ/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 19, 2014 9:02 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Un-Un Material For Vertical Antenna

Jim, I made a 50:75 UNUN a couple of years ago and I used a core from Amidon. I believe it was the FT-150. I wound it according to Jerry’s book and it worked great. 73

Jim W4UX

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, May 19, 2014 9:33 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Un-Un Material For Vertical Antenna

Hi - I'm getting ready to build a 30 meter vertical, using aluminum tubing sections. I built a model of it in EZNEC and the results are pretty much in line with what I have seen in the ARRL Antenna Book and other publications regarding verticals - their impedance is around 28 - 35 ohms. Obviously, after I build the vertical I'll put my AIM4170 on it and see exactly what the "real" world reading is.

If it comes out to be what was modeled, I was thinking maybe I'd build an Un-Un to match it to my RG-8 coax. I realize that the tuner in my K3 and the KAT500 can easily match the vertical's impedance to 50 ohms, but in the interest of experimentation, I thought about the Un-Un. Jerry Sevick's (SK) book on them shows one that is a 1.56:1 ratio, or 50:32 ohms, which is pretty darn close. He used a 1.5 inch OD ferrite core with a permeability of 250. Anyone know where such an animal can be obtained? What about higher permeability cores, like mix 43, having a permeability of 800 or more?

Jim / W6JHB

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<http://www.avast.com/> protection is active.

[Non-text portions of this message have been removed]

32475. Re: Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 02:48:47 UTC
From: w6jhb@...
Topic: 32472 Message: 32475

Rich, I can't raise the feed point. The vertical is pretty much in the middle of the back yard, ground-mounted, and my radials are covered up by the grass. So my choices are (1) build a un-un that matches 50 ohms to 37 ohms, or (2) just foggedaboutit and let the K3 or KAT500 tuner do the matching. I'd sooner go with number one, but my quandary is what mix ferrite to use. Sevick's book doesn't mention that little tidbit (unless I missed it somewhere), and there are a gazillion different mixes. I'd like to get a ferrite core with an OD of about 1.5 inches and a permeability around 250.

Jim / W6JHB

32476. Double Bazooka Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 05:49:59 UTC
From: Rodney Davis PhD.
Topic: 32476 Message: 32476
Attachments: 1 described; binary payloads are missing from this source WARC

Would it hurt to make a Double Bazooka from RG213 I have a friend who made his from 8x however I have 100ft of old 213 laying around and thought trying it ….

32477. Re: [ham-antennas] Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 07:58:04 UTC
From: Dale Miller
Topic: 32472 Message: 32477

On 5/19/2014 8:33 PM, w6jhb@... [ham-antennas] wrote:
>
>
> Hi - I'm getting ready to build a 30 meter vertical, using aluminum
> tubing sections. I built a model of it in EZNEC and the results are
> pretty much in line with what I have seen in the ARRL Antenna Book and
> other publications regarding verticals - their impedance is around 28
> - 35 ohms. Obviously, after I build the vertical I'll put my AIM4170
> on it and see exactly what the "real" world reading is.
>
>
> If it comes out to be what was modeled, I was thinking maybe I'd build
> an Un-Un to match it to my RG-8 coax. I realize that the tuner in my
> K3 and the KAT500 can easily match the vertical's impedance to 50
> ohms, but in the interest of experimentation, I thought about the
> Un-Un. Jerry Sevick's (SK) book on them shows one that is a 1.56:1
> ratio, or 50:32 ohms, which is pretty darn close. He used a 1.5 inch
> OD ferrite core with a permeability of 250. Anyone know where such an
> animal can be obtained ? What about higher permeability cores, like
> mix 43, having a permeability of 800 or more?
>
>
> Jim / W6JHB
>
>

Jim I threw together a portable antenna based on WB3GCK "Pop-Up Vertical 2".
< http://www.qsl.net/wb3gck/puv2.htm >
I would think that the same T200-2 core would work for your application.
I was going to order mine through Amidon but there minimum order is $20
and I didn't need that many Cores.
So I purchased mine off of Ebay by searching for T200-2.

The T200-2 is an Iron Powder Core and 2 inch OD.

If you really want that 1.5 inch OD then take a look at <
http://www.amidoncorp.com >

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003

Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32478. AW: [ham-antennas] Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 09:17:29 UTC
From: siegfried jackstien
Topic: 32472 Message: 32478

Several other ways possible

One way is ... ground the base of the antenna and use a gamma match

(would also give additional lightning safety and a way for static loadings to ground)

Now you can easy search the 50 ohms spot at the base

.....

Next option would be to make the antenna slightly longer (to lift up impedance) and use a series cap

....

Third option is drop the radials at 135 degree downwards and lift the feeding point over he ground

....

I do not like transformers at the base of a vertical if I can use other things

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 20. Mai 2014 01:33
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Un-Un Material For Vertical Antenna
>
>
>
> Hi - I'm getting ready to build a 30 meter vertical, using aluminum tubing
> sections. I built a model of it in EZNEC and the results are pretty much
> in line with what I have seen in the ARRL Antenna Book and other
> publications regarding verticals - their impedance is around 28 - 35 ohms.
> Obviously, after I build the vertical I'll put my AIM4170 on it and see
> exactly what the "real" world reading is.
>
>
>
>
> If it comes out to be what was modeled, I was thinking maybe I'd build an
> Un-Un to match it to my RG-8 coax. I realize that the tuner in my K3 and

> the KAT500 can easily match the vertical's impedance to 50 ohms, but in
> the interest of experimentation, I thought about the Un-Un. Jerry Sevick's
> (SK) book on them shows one that is a 1.56:1 ratio, or 50:32 ohms, which
> is pretty darn close. He used a 1.5 inch OD ferrite core with a
> permeability of 250. Anyone know where such an animal can be obtained?
> What about higher permeability cores, like mix 43, having a permeability
> of 800 or more?
>
>
>
>
> Jim / W6JHB
>
>

32479. AW: [ham-antennas] Re: Un-Un Material For Vertical Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 09:45:10 UTC
From: siegfried jackstien
Topic: 32472 Message: 32479

Lifting up does not work??? Ok then gamma match ... or series cap and making antenna longer

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 20. Mai 2014 02:49
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Un-Un Material For Vertical Antenna
>
>
>
> Rich, I can't raise the feed point. The vertical is pretty much in the
> middle of the back yard, ground-mounted, and my radials are covered up by
> the grass. So my choices are (1) build a un-un that matches 50 ohms to 37
> ohms, or (2) just foggedaboutit and let the K3 or KAT500 tuner do the
> matching. I'd sooner go with number one, but my quandary is what mix
> ferrite to use. Sevick's book doesn't mention that little tidbit (unless I
> missed it somewhere), and there are a gazillion different mixes. I'd like
> to get a ferrite core with an OD of about 1.5 inches and a permeability
> around 250.
>
> Jim / W6JHB
>
>
>

32480. Re: [ham-antennas] Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 12:32:20 UTC
From: kd8nv@...
Topic: 32449 Message: 32480

On ur problem not tuning 20m, have you changed anything or added thing near the mounted antenna?

On the cover for the coil, I looked and looked for years for different material to cover the coil.
I have used plastic Whiffle bats. I made 3 different size antennas 2", 1.5" and 1.25" all copper pipe.
Used the Un-Un for matching don't recall having luck shunt feeding. Later on I found pvc pipe which was I believe called SDR by one manufacturer THIN walled not easy to find in all sizes I had to go direct to the manufacturer in Michigan and most sizes were available there. Can't remember the name of the town but was some where near Flint Michigan, 60 miles or so north of my location.

32481. RE: [ham-antennas] Double Bazooka Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 15:43:42 UTC
From: Dave
Topic: 32476 Message: 32481

Hi Rodney ☐ I am using a Bazooka made from RG-213 and then I installed 4 inch diameter wire cages on the ends at approximately 20 feet long each ☐ I like it ☐ overall it is fairly heavy and the band width isn☐t necessarily any greater than a standard bazooka ☐ it simply performs well

WØDR

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 20, 2014 12:50 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Double Bazooka Antenna

Would it hurt to make a Double Bazooka from RG213 I have a friend who made his from 8x however I have 100ft of old 213 laying around and thought trying it .

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3950/7525 - Release Date: 05/20/14

[Non-text portions of this message have been removed]

32482. Re: Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 17:00:41 UTC
From: ab9qu@...
Topic: 32449 Message: 32482

I have a Lil Tarheel II mounted on my Ram pickup. I was having problems tuning 20 and 15 meters, really all the higher bands.I made some changes in the grounding and now all bands tone to 1.5.1 or better EXCEPT
20 meters which I can now get to 2.1, it was way over 3 but I have been playing with the length of coax and the swr has improved. I thought I needed a shunt coil but 80 and 40 tune perfectly so I was told I don't need a shunt coil. I am using an IC-7000 and have the Better RF controller that I was unable to use because of not being able to tune some bands. I hope to be able to hook that back up soon. Good Luck!
73
Bill AB9QU

32484. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 20:47:32 UTC
From: crrestoration@...
Topic: 32464 Message: 32484

Ken,

I also disconnected the coax half way from the radio and all I get is S4 static with an almost impossible to hear signal from WWV.

Chris

32485. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 20:48:17 UTC
From: crrestoration@...
Topic: 32464 Message: 32485

0 Attachment

I made a coax fed dipole? of 66' which should be able to get something in the 40 meter band as far as I know. I could hear a very faint net around noon today.

I was able to hear WWV 10MHz at about an S5 on my Hy-Gain but about an S4 on the dipole.

I could also hear it about an S2 on my dummy load.

I tried all the frequencies (phone) for W1AW listed on dxforme an both antennas and never heard a thing.

I am in the SF East Bay area just for info.

32486. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 21:02:46 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32486

On 20 May 2014 at 13:38, crrestoration@... [ham-antennas] wrote:

> I made a coax fed dipole? of 66' which should be able to get something in the 40
> meter band as far as I know. I could hear a very faint net around noon today. I
> was able to hear WWV 10MHz at about an S5 on my Hy-Gain but about an S4 on the
> dipole. I could also hear it about an S2 on my dummy load. I tried all the
> frequencies (phone) for W1AW listed on dxforme an both antennas and never heard
> a thing.
>
> I am in the SF East Bay area just for info.

At this point, I would suspect your RECEIVER...

Borrow another rig from someone near you, hook it up and see if there is a
difference. I'll bet there is.

Ken W7EKB

32487. [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 21:03:42 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32487

On 20 May 2014 at 13:47, crrestoration@... [ham-antennas] wrote:

> Ken,
> I also disconnected the coax half way from the radio and all I get is S4 static
> with an almost impossible to hear signal from WWV. Chris

Again, I am almost 100% certain that the problem is in your RECEIVER
somewhere.

vy 73,

Ken W7EKB

32488. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 21:51:32 UTC
From: Chuck Schultz
Topic: 32464 Message: 32488

I too suspect your receiver.....at this point you
have two options .....one: repair your receiver or
two: all that studing was to transmit and many consider it more fun than
receiving , you could just CQ until you locate a signal strong enough to
hear . Check your attenuator and RF gain control before going any
further Chuck Wq5B
On 5/20/2014 4:02 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> On 20 May 2014 at 13:38, crrestoration@... [ham-antennas] wrote:
>
> > I made a coax fed dipole? of 66' which should be able to get
> something in the 40
> > meter band as far as I know. I could hear a very faint net around
> noon today. I
> > was able to hear WWV 10MHz at about an S5 on my Hy-Gain but about an
> S4 on the
> > dipole. I could also hear it about an S2 on my dummy load. I tried
> all the
> > frequencies (phone) for W1AW listed on dxforme an both antennas and
> never heard
> > a thing.
> >
> > I am in the SF East Bay area just for info.
>
> At this point, I would suspect your RECEIVER...
>
> Borrow another rig from someone near you, hook it up and see if there
> is a
> difference. I'll bet there is.
>
> Ken W7EKB
>
>

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http://www.avast.com

32489. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-20 22:52:14 UTC
From: KA4INM radio
Topic: 32464 Message: 32489

On 05/20/14 16:38, crrestoration@... [ham-antennas] wrote:

> I made a coax fed dipole? of 66' which should be able to get something
> in the 40 meter band as far as I know. I could hear a very faint net
> around noon today.

> I was able to hear WWV 10MHz at about an S5 on my Hy-Gain but about an
> S4 on the dipole.

> I could also hear it about an S2 on my dummy load.

> I tried all the frequencies (phone) for W1AW listed on dxforme an both
> antennas and never heard a thing.

> I am in the SF East Bay area just for info.

W1AW is on land that was chosen because a 40 meter rhombic antenna
pointed at California would produce a usable signal all year round in
California, it was later discovered that a 3 element beam was just as
effective. (with much less feedline)
There is no excuse for not being able to hear W1AW on 40 meters in
California. (or Florida)

If your receiver has a "pre-amp bypass switch" of any form what does
switching back and fourth do to the sound level and "S" meter reading
while listening to a signal of some strength?
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32490. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 03:25:23 UTC
From: crrestoration@...
Topic: 32464 Message: 32490

Ron,

I have a Kenwood TS-440/SAT which does not have a "pre-amp bypass switch"

Chris

32491. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 10:15:51 UTC
From: KA4INM radio
Topic: 32464 Message: 32491

Hi Chris crrestoration@... [ham-antennas]:
> I have a Kenwood TS-440/SAT which does not have a "pre-amp bypass switch"

If the "IF SHIFT" control is not set correctly you will get that
which you describe. Listen to something and rock it from end to end.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32492. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 15:59:04 UTC
From: crrestoration@...
Topic: 32464 Message: 32492

Ron,

IF-shift checked and and adjusted when neccesary.
I had a 500+ mile qso last night on 40 with a 10 over report.
The problem is that I could not hear 1/4 of what he was saying.
So it seems that tx might be ok? and just a problem with rx?

Thanks,
Chris

32493. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 16:21:35 UTC
From: Artek Manuals
Topic: 32464 Message: 32493

The laws of reciprocity hold meaning that if the antenna works on Xmit ,
it works equally on receive.

The problem is either with your receiver or your ears (no offense
intended just had my done ...if you have not priced hearing aides be
prepared for sticker shock)

Dave
NR1DX

On 5/21/2014 10:59 AM, crrestoration@... [ham-antennas] wrote:
>
> Ron,
>
> IF-shift checked and and adjusted when neccesary.
>
> I had a 500+ mile qso last night on 40 with a 10 over report.
>
> The problem is that I could not hear 1/4 of what he was saying.
>
> So it seems that tx might be ok? and just a problem with rx?
>
> Thanks,
>
> Chris
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32494. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 16:50:53 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32494

On 21 May 2014 at 8:59, crrestoration@... [ham-antennas] wrote:

> Ron,
> IF-shift checked and and adjusted when neccesary.
> I had a 500+ mile qso last night on 40 with a 10 over report.
> The problem is that I could not hear 1/4 of what he was saying.
> So it seems that tx might be ok? and just a problem with rx?

Dave posted the correct response: reciprocity.

Obviously, now, your antenna is not at fault and can now be completely eliminated from consideration of the problem.

I repeat: the problem is in the receiver....either the electronic one or the human one.

To eliminate another variable, borrow a WORKING rig, with a working speaker, connect it up, and see what you can hear.

If you still cannot hear anything, have your hearing checked immediately.

Ken W7EKB

32495. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 19:15:00 UTC
From: crrestoration@...
Topic: 32464 Message: 32495

My family complains my hearing is too sensitive

I do not know anyone that does the radio thing so borrowing one is out.
As far as I know the closest radio repair person/shop is over 500 miles away.

I guess its time to save for something newer as this is 35+ years old.

Chris

32496. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 20:27:18 UTC
From: KA4INM radio
Topic: 32464 Message: 32496

On 05/21/14 15:15,Chris crrestoration@... [ham-antennas]:

> My family complains my hearing is too sensitive
> I do not know anyone that does the radio thing so borrowing one is out.
> As far as I know the closest radio repair person/shop is over 500 miles
> away.
> I guess its time to save for something newer as this is 35+ years old.

Unless the desert is in the SF bay area there has to be a ton of HAMS
within 50 miles of you, google "HAM club in [near by city]" until you
find one. Join it, attend meetings, make friends.
I was shocked to find that the 16,000 person town that I live in has
over a hundred HAMs living here. (20 years ago)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32497. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 20:43:40 UTC
From: Chuck Schultz
Topic: 32464 Message: 32497

*This was to be my next advice..... I think Cal has
more Hams than any where .....I have a son in Cal with a
license but he is several miles away in NE corner of (Canby) the
state. Don't scrape that rig .....it is very repairable by a
technician of average skills unlike today's rigs.* I like it that we are
finally getting you close to QSOing on the bands & just think of the
friends you have already made & how much you have learned ! Chuck Wq5B
On 5/21/2014 3:27 PM, KA4INM radio ka4inm@... [ham-antennas] wrote:
>
> On 05/21/14 15:15,Chris crrestoration@... [ham-antennas]:
>
> > My family complains my hearing is too sensitive
> > I do not know anyone that does the radio thing so borrowing one is out.
> > As far as I know the closest radio repair person/shop is over 500 miles
> > away.
> > I guess its time to save for something newer as this is 35+ years old.
>
> Unless the desert is in the SF bay area there has to be a ton of HAMS
> within 50 miles of you, google "HAM club in [near by city]" until you
> find one. Join it, attend meetings, make friends.
> I was shocked to find that the 16,000 person town that I live in has
> over a hundred HAMs living here. (20 years ago)
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
>

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32498. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 21:12:57 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32498

On 21 May 2014 at 12:15, crrestoration@... [ham-antennas] wrote:

> My family complains my hearing is too sensitive

OK. Then the problem is obviously your radio.

> I do not know anyone that does the radio thing so borrowing one is out.

Heck, there must be at least 50 hams within throwing distance of you. What's your call and location? I'll look a few up for you...

> As far as I know the closest radio repair person/shop is over 500 miles away.

I would very seriously doubt that, but in any case, that radio is WELL worth fixing and keepiing and operating, even if you have to pack it (properly) and ship it. Isn't it a Kenwood TS-440?

> I
> guess its time to save for something newer as this is 35+ years old. Chris

Ha! I'm 72 years old and not ready to be put to pasture yet.

And every piece of equipment I own is at least 35 years old, and it all works just fine. Some of the best receivers I own are 70 years old, and one of my favorites, an ex-military RAL-7, was designed in the 1930s.

Just 'cause its old, doesn't mean its worthless.

Realize that by now all the bad ones have "gone away" and those that are left are usually pretty good.

Ken W7EKB

32499. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 22:12:26 UTC
From: crrestoration@...
Topic: 32464 Message: 32499

Ken, Chuck, Ron,

I looked up a map of licensed hams in my area and it looks like one every block.
I never hear any of them, except for 1 guy who causes trouble on 40 and 80.

I guess I can ask the guys down at HRO in Oakland if they know anyone who can look it over.

Last year I could not track down a tx problem so I purchased a used tx board and it fixed that.

The radio (Kenwood TS-440/sat) looks almost new, Last year I also installed the bhi dsp unit.

I really wish I could compare it with something newer to see if I am really missing out on the newer technology.

Anyway, Thanks all

Chris

32500. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 22:23:29 UTC
From: KA4INM radio
Topic: 32464 Message: 32500

On 05/21/14 18:12, crrestoration@... [ham-antennas] wrote:

> I really wish I could compare it with something newer to see if I am
> really missing out on the newer technology.

About the only thing that is new would be digital noise reduction and
bandwidth limiting, digital heterodyne suppression and digital modes
that change to added connectors and memories, these simply add conveniences.
What you have (once repaired) will thrill you if you give it a chance.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32501. Chuck Penson's New Book Is Out

Yahoo group: ham-antennas (2014)
Date: 2014-05-21 22:52:22 UTC
From: Gary H. Harmon, Jr.
Topic: 32501 Message: 32501

"Heathkit Test Equipment Products" by Chuck Penson Wa7ZZE.

It's an amazing book about Heathkit test equipment products and follows his first book, "Heathkit: A Guide to the Amateur Radio Products" published a number of years back.

It is available from amazon.com for $19.95 plus $3.99 shipping.

73,

Gary H. Harmon, Jr. - K5JWK - Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

"Real Radios Glow In the Dark"

"Too Many Projects, Not Enough Time"

http://www.grissomroadcoc.org

32502. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 00:26:41 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32502

On 21 May 2014 at 15:12, crrestoration@... [ham-antennas] wrote:

> Ken, Chuck, Ron,
>
> I looked up a map of licensed hams in my area and it looks like one every
> block.

Not unusual. Most will not be active. One or two will be, but will keep a
low profile.

> I never hear any of them,except for 1 guy who causes trouble on 40 and
> 80.

What sort of trouble?

> I guess I can ask the guys down at HRO in Oakland if they know anyone who
> can look it over.

That might be a good idea. I know there is at least one other fellow who
specializes on those rigs. I'll try to dig him out. A K4 as I remember
it, in Flordia

At this point, I would not recommend Land-Air-Communications, though,
mainly because I have zero experience with his operation.

Clif at Avvid does TS-440s. He is a real expert, honest, hardworking and
reasonably fast. His work is top notch and his rates are reasonable.

You can look him up at http://www.avvid.com/, get his telephone number
from the website and give him a call to discuss your rig.

> Last year I could not track down atx problem so I purchased a used
> txboard and it fixed that.
>
> The radio (Kenwood TS-440/sat) looks almost new, Last year I also
> installed the bhi dsp unit.
>
> I really wish I could compare it with something newer to see if I am
> really missing out on the newer technology.

As Ron pointed out, there isn't really much in the newer rigs that would
make a real difference in operation. For one thing, many of them have a
stack of menus that can be overwhelming for many people.

Your TS-440, once repaired, is an excellent and very reliable rig.

vy 73, Chris.

Ken W7EKB

32503. Re: Regarding the Ground Radials

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 04:05:32 UTC
From: kb8nty@...
Topic: 32442 Message: 32503

Ray & Dave,

Thank you for your input, I read with interest.

The content was taken from my full page eBay listing where I market mostly, indeed possibly to much in a condensed space...and calls for a revision indeed.

I am recovering from a leukemia diagnosis and treatment, fatigue is a issue and barrier I am working through, yet will fix the page up.

I was just trying to offer some help with ground radial install...didn't mean to create the confusion....I appreciate your opinion.

Thank you and kind regards...Ross

32504. Trap Dipoles

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 04:08:12 UTC
From: rolandbrade@...
Topic: 32504 Message: 32504

I am using a W3DZZ and want to make it cover 160. So I made an 80 metre trap but how do you calculate the length of wire after the 80 metre trap?
Thanks

Roley G3VIR

32505. AW: [ham-antennas] Trap Dipoles

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 05:39:30 UTC
From: siegfried jackstien
Topic: 32504 Message: 32505

Not easy to calculate that length

Needed end depends on how much loading the trap adds on 160

If you have a big coil and a small cap or a smaller coil with a bigger cap

The resonance of that cap on 80m would be that same but the loading on 160m would be different (more l ... lower length needed)

Only way I would guess is ... add a few metres (with some test wire of your junk yard)

Measure resonance on 160

And then make "stinger" longer or shorter depending on where antenna resonates

Yes it can be calculated ... but it is not easy (maybe simulating with mmana would work) ...

So best is ... try it out :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 22. Mai 2014 04:08
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Trap Dipoles
>
>
>
> I am using a W3DZZ and want to make it cover 160. So I made an 80 metre
> trap but how do you calculate the length of wire after the 80 metre trap?
>
> Thanks
>
>
>
> Roley G3VIR
>
>
>
>

32506. Re: [ham-antennas] Trap Dipoles

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 10:26:20 UTC
From: Original Woodchuck
Topic: 32504 Message: 32506

On Thu, May 22, 2014 at 05:39:30AM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> Not easy to calculate that length
>
> Needed end depends on how much loading the trap adds on 160

Exactly so!

> If you have a big coil and a small cap or a smaller coil with a bigger cap
>
> The resonance of that cap on 80m would be that same but the loading on 160m
> would be different (more l ... lower length needed)

With some persistance, there may be an ideal combination of L and C that
might possibly bring a third band into play. Might!

> Only way I would guess is ... add a few metres (with some test wire of your
> junk yard)
>
> Measure resonance on 160
>
> And then make "stinger" longer or shorter depending on where antenna
> resonates
>
> Yes it can be calculated ... but it is not easy (maybe simulating with mmana
> would work) ...

Oh, it's not too hard if you know the C or L of the trap, having made
the trap, perhaps one knows one or the other, depending how it is made.
(And maybe the Q of the trap, but for approximate work, Q = 10 or Q =
100 or Q = 0 will work.) Then given C or L and the fact of resonance
at 80m, you know the other. Then calculate X(trap) at 160m. Two X's
in parallel, eh?

The problem is then one of calculated the X of the trap at 160m. And two
other things: the self-inductance of the 80m section of an arm and the
self-inductance of an *untrapped* 160m arm. In other words, you want
the completed trapped antenna to have the same reactance as an untrapped
160m antenna **on 160 m**.

Then
X(untrapped 160) = X(80 section) + X(trap) + X(unknown)

Solved
X(unknown) = X(untrapped 160) - X(80 section) - X(trap)

where all the X calculations are performed at 160m.

This is definitely within the scope of the US Amateur Extra exam, using no math beyond secondary school. (Actually no math beyond simple arithmetic.)

What I'm not giving is the formula for the self-inductance of a solid copper wire. Heh. Let's leave something for the student and for Professor Google to do.

The foregoing is an *approximation*. I am ignoring resistance and the self-capacitance of a wire. Actually I assumed that the Rs are negligibly different in the trapped vs untrapped calculations. I think this is safe.

> So best is ... try it out :-)

The preceeding notwithstanding, I tend to agree. Since the antenna will doubtless be used close to ground, capacitance between antenna and ground is going to be (probably) a bigger issue than my simplifying assumptions above. So, measure long, cut short!

An antenna analyzer like the ubiquitous MF-259B ought to be able to measure the X's above, too, as far as that goes. The clever student will keep in mind the sign of X, which is negative for capacitors.

> Dg9bfc
>
> Sigi

Dave AB3NR

32507. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 11:47:21 UTC
From: radiomanl@...
Topic: 32464 Message: 32507

I have a similar problem at my QTH . using a triband dipole 10,20 and 40 metres , I get good reports on transmitted signal using FT950 . however I have problems hearing all except the strongest signals . I took the rig and antenna out to a friends place about 25 miles from the city and set it up using the jeep as the power supply and could hear everything with no problem . I suspect the poor reception is just my location . I have a
S9 to 20 over noise level most of the time and I have powered the 950 with a battery and shut off the mains and still have the noise . if you can take your setup to a different location , like a park or somewhere and test it there before sending it for repair .

good luck
kd5pnt

32508. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 16:32:13 UTC
From: email4utoo@...
Topic: 32464 Message: 32508

Your local Club will have some rigs to lend hopefully or ask someone to help you out , i live way out in a Rural Area and still have sources to borrow a rig or get help even though i live in the Sticks , hihi. by the way i used to live in CAL , so glad we moved , no i can Farm Antennas with my Beets and Family Milk Cows ! hihi- No HOAs no snooper neighbors and i can park my Truck on my Grass wherever i wish ! hihi . Enjoy the journey, and i hope you get it fixed soon, so no not loose patients, and if you decide to cheap sell it , let me know , i only have one small Qrp rig and would love a good ol' Kenwood, hihi. 73s, AJ w5heh

32509. Re: [ham-antennas] Re: Aluminum Tubing Suppliers

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 16:35:04 UTC
From: email4utoo@...
Topic: 32390 Message: 32509

here is one in the Midwest, for those who live there , i am 6hours and they ship , as well as sell on EBay.
http://shapirosupply.com/ http://shapirosupply.com/

32510. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 19:05:25 UTC
From: John Murphy
Topic: 32464 Message: 32510

Chris,

I have been reading the responses and following this thread since my last answer. I did not know that the antenna had been remade. I would also agree with others about reciprocity regarding if you can transmit, then you should be able to hear them. I think a problem might be either in your location (which cannot be changed) or in something producing some form of electromagnetic radiation, which you cannot obviously hear, yet it is interfering with your reception. I would start doing some tracking with a portable battery operated receiver, just to see what you can see. I have the same radio, a Kenwood 440S/AT and would not give it up for anything, and would say you should not give yours up either. This is a good radio and mine has performed admirably both in ham service as well as AFMARS service. Just my $0.02 worth.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, May 21, 2014 1:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

My family complains my hearing is too sensitive
<https://s.yimg.com/ok/u/assets/img/emoticons/emo1.gif>

I do not know anyone that does the radio thing so borrowing one is out.

As far as I know the closest radio repair person/shop is over 500 miles away.

I guess its time to save for something newer as this is 35+ years old.

Chris

32511. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-22 19:13:14 UTC
From: John Murphy
Topic: 32464 Message: 32511

Chris,

Another thought. Have tried on the 440 group here in the Yahoo groups? ts-440-subscribe@yahoogroups.com is the link. But rather then follow the licks, I do a search in the Yahoo groups. I do know there are a few hams in the group that repair the venerable 440. I start seeking ideas and fixes and people there.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio☐s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, May 21, 2014 4:23 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

On 05/21/14 18:12, crrestoration@gmail.com [ham-antennas] wrote:

> I really wish I could compare it with something newer to see if I am
> really missing out on the newer technology.

About the only thing that is new would be digital noise reduction and bandwidth limiting, digital heterodyne suppression and digital modes that change to added connectors and memories, these simply add conveniences. What you have (once repaired) will thrill you if you give it a chance.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32512. Re: [ham-antennas] Trap Dipoles

Yahoo group: ham-antennas (2014)
Date: 2014-05-23 00:49:20 UTC
From: Ken Burchfield
Topic: 32504 Message: 32512

Roley,
I think reading the pages at these Links may help even tho there are referring to an inverted L information is about adding 160 meters.
He added 8.54 meters of wire after the 80 meter trap.

http://www.users.icscotland.net/~len.paget/Inverted%20L%20adding%20

top%20band.pdf
http://www.users.icscotland.net/~len.paget/6_band_inverted_l_antenn

a.htm
from web page of GM0OMX
http://www.users.icscotland.net/~len.paget/index2.htm

73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

32513. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-23 12:45:27 UTC
From: crrestoration@...
Topic: 32464 Message: 32513

John,

I do belong to the 440 group and have asked there as well for suggestions.
Thanks,
Chris

32514. Re: Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-23 12:45:47 UTC
From: Chuck
Topic: 32464 Message: 32514

Another thought is that there could still be something wrong with the transmission line or antenna (the antenna system). Just because you can be heard when you transmit does not mean the antenna system is working properly. You might be putting 100W into the transmission line, for example, and only radiating a watt or two due to antenna system issues - enough to be heard (QRP'ers do it all the time) but also enough issues to greatly attenuate received signals.

I suggest you not exclude the possibility of antenna system issues until you determine the source of the problem. Given that the radio worked fine at another location, I would check and verify EVERYTHING in the antenna system starting at the antenna jack at the rear of the radio on out to the antenna. This includes any external tuners, baluns, inline chokes, coax or other transmission line, and the antenna itself. It could be a poor connection, poor coax (my suspicion), etc., or a combination of issues in the system that greatly attenuate both tx and rx signals. It all needs to be checked out.

Chuck
W9BIK

32515. Re: Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-24 10:36:01 UTC
From: n3tlq@...
Topic: 32464 Message: 32515

Just a quick suggestion...You said you had installed a BHI DSP unit last year, IIRC. Make sure you have it turned OFF!!! If it's cranked up too much it can really cause problems with the reception! You could also have a front end problem caused by temporary overload, ie:a nearby lightning strike, but I don't think you have too many thunderstorms in your neck of the woods. Turn off the DSP and see what changes take place. (sorry for the slow response, just catching up on my 300 emails! Good luck, 73 de Ron...n3tlq

32516. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-24 17:21:13 UTC
From: Adrian Flynn
Topic: 32464 Message: 32516

kd5pnt,

On Thu, May 22, 2014 at 7:47 AM, radiomanl@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I have a similar problem at my QTH . using a triband dipole 10,20 and 40
> metres , I get good reports on transmitted signal using FT950 . however I
> have problems hearing all except the strongest signals .
>
<SNIP>

> . I have a
> S9 to 20 over noise level most of the time and I have powered the 950 with
> a battery and shut off the mains and still have the noise . if you can take
> your setup to a different location , like a park or somewhere and test it
> there before sending it for repair .
>
> *Why not use a portable and track down the noise then file a complaint
about it?*
* That noise level is not allowed as far as I know*.

>
>

32517. AW: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-24 17:38:49 UTC
From: siegfried jackstien
Topic: 32464 Message: 32517

```
>
> <SNIP>
>
> . I have a
> S9 to 20 over noise level most of the time and I have powered the
> 950 with a battery and shut off the mains and still have the noise . if
> you can take your setup to a different location , like a park or somewhere
> and test it there before sending it for repair .
>
>
>
> Why not use a portable and track down the noise then file a complaint
> about it?
> That noise level is not allowed as far as I know.
>
```

If it is only one or two noise sources (defective isolator on power pole or a switching psu from a neighbours sat receiver or similar) ... then it should be possible to find the noise source ...

But if you live in a big city with thousands of such noisy things ... then I wish you a good luck to find them all

Dg9bfc

Sigi

32518. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-24 17:57:55 UTC
From: Adrian Flynn
Topic: 32464 Message: 32518

Hi Sigi,

You don't have to find them here in the USA,
Once you can confirm it is Power Lines you file a complaint (Maybe up to 5 times) with the power company in the local area and they have to find and eliminate the interference.

I once filed a complaint with Southern California Edison due to TV interference with channels 2 to 6 in LA area.

They were not happy but they had to replace 13 miles
of insulators and wiring to stop the problem as it was in a direct line
from my house starting across the street to the TV towers!

YOU do not have to find it all.

72/73
Adrian KF7DYU

On Sat, May 24, 2014 at 1:38 PM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas]
<ham-antennas@yahoogroups.com>wrote:

>
>
> >
> > <SNIP>
> >
> > . I have a
> > S9 to 20 over noise level most of the time and I have powered the
> > 950 with a battery and shut off the mains and still have the noise . if
> > you can take your setup to a different location , like a park or
> somewhere
> > and test it there before sending it for repair .
> >
> >
> >
> > Why not use a portable and track down the noise then file a complaint
> > about it?
> > That noise level is not allowed as far as I know.
> >
>
> If it is only one or two noise sources (defective isolator on power pole or
> a switching psu from a neighbours sat receiver or similar) ... then it
> should be possible to find the noise source ...
>
> But if you live in a big city with thousands of such noisy things ... then

> I
> wish you a good luck to find them all
>
> Dg9bfc
>
> Sigi
>
>
>

32519. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 11:35:44 UTC
From: radiomanL
Topic: 32464 Message: 32519

Thanks for the ideas .
La Grange is not a large city and I have walked around a 6 block area with a Grundig mini 300 and found noise at every pole and transformer I checked . I did find one arcing arrestor on a transformer in the next block . I had walked over to a neighbors house and heard it , getting louder the closer I got to it . I live in a semi industrial area so it could be anything . gave up looking for it and just deal with it as best I can . there is also a leak in the cable system that is interfering with the local repeater to the point where no one uses it any more . It is the audio from TLC . reported it to the cable supplier and they were not really interested in repairing it . A new company owns it now so maybe something will be done .

andrew
kd5pnt

32520. AW: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 12:32:31 UTC
From: siegfried jackstien
Topic: 32464 Message: 32520

If I remember right you have a RIGHT to clean reception (freedom of information) ... so if you have many noise sources you should moan as loud as you can ... to the power company ... to your neighbour ... to the cable company

Power company sometimes are thankful for such reports (if they do NOT have to replace 20 miles of insulators hi hi) ... reason is ... they loose power on defective insulators (some amps here and some amps there) ... I am guessing that you can power a major city with just the LOSSES these power companies have on their defective insulators and transformers

With your grundig you find noise on every pole yes ... but did you also look if it is not just rf coupling from the lines to your receiver??

If there is a big defect on the insulator it makes noise up to vhf/uhf (sometimes changing with weather conditions)

And then you can use a small yagi to track down the noise source

Good luck in getting a better receive

(last option would be ... MOVE AWAY)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 25. Mai 2014 11:36
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception
>
>
>
> Thanks for the ideas .
> La Grange is not a large city and I have walked around a 6 block area with
> a Grundig mini 300 and found noise at every pole and transformer I checked
> . I did find one arcing arrestor on a transformer in the next block . I
> had walked over to a neighbors house and heard it , getting louder the
> closer I got to it . I live in a semi industrial area so it could be
> anything . gave up looking for it and just deal with it as best I can .
> there is also a leak in the cable system that is interfering with the
> local repeater to the point where no one uses it any more . It is the
> audio from TLC . reported it to the cable supplier and they were not
> really interested in repairing it . A new company owns it now so maybe
> something will be done .

>
> andrew
> kd5pnt
>
>

32521. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 12:50:00 UTC
From: radiomanL
Topic: 32464 Message: 32521

https://groups.yahoo.com/neo/groups/FT-950/photos/albums/1861663057/lightbox/989354030

my normal noise level . it changes from day to day . today is between S5 and S9 .

andrew
kd5pnt

32522. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 13:15:37 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32464 Message: 32522

When it comes to the cable company, use the FCC. They are slow....but they will take action. You could also feed the report to the ARRL for them to push for help.

An arcing lightning arrestor is costing them a bunch of power. If you report that, it SHOULD get replaced. Give them the location.

In Tampa, I watched one lightning arrestor blow up from the fourth floor of a bank. Even behind triple pane windows it was deafening from 2 blocks away. (If they get hot enough they go boom... that one had taken its limit on lightning strikes..)

The arcing probably is coupling to the distribution lines, spreading the noise...making it appear at every pole...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "'radiomanL' radiomanl@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, May 25, 2014 7:35 AM
Subject: Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Thanks for the ideas .
La Grange is not a large city and I have walked around a 6 block area with a Grundig mini 300 and found noise at every pole and transformer I checked . I did find one arcing arrestor on a transformer in the next block . I had walked over to a neighbors house and heard it , getting louder the closer I got to it . I live in a semi industrial area so it could be anything . gave up looking for it and just deal with it as best I can . there is also a leak in the cable system that is interfering with the local repeater to the point where no one uses it any more . It is the audio from TLC . reported it to the cable supplier and they were not really interested in repairing it . A new company owns it now so maybe something will be done .

andrew
kd5pnt

32523. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 15:11:55 UTC
From: Richard Solomon
Topic: 32464 Message: 32523

A group I know had a problem with Cable leakage getting into the Repeater
Input. The Cable Company was not interested in their problem.

The solution was to hold a Simplex Net, nightly, on that frequency. The
start
time was 8PM (Prime Time !!).

The leakage problem got cured rather quickly.

73, Dick, W1KSZ

On Sun, May 25, 2014 at 4:35 AM, 'radiomanL'
radiomanl@verizon.net[ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> Thanks for the ideas .
> La Grange is not a large city and I have walked around a 6 block area with
> a Grundig mini 300 and found noise at every pole and transformer I checked
> . I did find one arcing arrestor on a transformer in the next block . I had
> walked over to a neighbors house and heard it , getting louder the closer I
> got to it . I live in a semi industrial area so it could be anything . gave
> up looking for it and just deal with it as best I can . there is also a
> leak in the cable system that is interfering with the local repeater to the
> point where no one uses it any more . It is the audio from TLC . reported
> it to the cable supplier and they were not really interested in repairing
> it . A new company owns it now so maybe something will be done .
>
> andrew
> kd5pnt
>
>
>

32524. RE: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 15:38:14 UTC
From: John Murphy
Topic: 32464 Message: 32524

Andrew,

No matter if it is a small town or big metropolis, it is required, by law (unfortunately I don□t remember the citation for the legal stuff) to repair it if any interference is reported. If they refuse or take a □it doesn□t matter□ attitude, then go up the food chain, til you get to the Board of Directors of Fayette Electric Coop. I know that in a small town I used to live in, if you made a concern known to an administrative assistant, and nothing was done within 3-5 days, then you could go up to a director then up to a member of the board, and they would take it seriously. Remember, as a coop member, you are one of the owners of the company, and you have rights as an amateur operator as well. If this complaint process doesn□t resolve the matter, then contact the ARRL and ask for a local attorney to help. However, I can bet that if you have to go to a member of the board, it will get solved before you have to go to the ARRL. One important point: KEEP RECORDS!!! DILIGENT AND DETAILED RECORDS!!!! This is important going forward, as you can show what you have done, who you have contacted, and what they said or did to assist in solving the problem, (or what they refused to do).

Just my opinion.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio□s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, May 25, 2014 5:36 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Thanks for the ideas .

La Grange is not a large city and I have walked around a 6 block area with a Grundig mini 300 and found noise at every pole and transformer I checked . I did find one arcing arrestor on a transformer in the next block . I had walked over to a neighbors house and heard it , getting louder the closer I got to it . I live in a semi industrial area so it could be anything . gave up looking for it and just deal with it as best I can . there is also a leak in the cable system that is interfering with the local repeater to the point where no one uses it any more . It is the audio from TLC . reported it to the cable supplier and they were not really interested in repairing it . A new company owns it now so maybe something will be done .

andrew

kd5pnt

32525. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 16:40:51 UTC
From: Kenneth G. Gordon
Topic: 32464 Message: 32525

On 25 May 2014 at 8:11, Richard Solomon dickw1ksz@... [ham-aRe:
[SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII wrote:

> A group I know had a problem with Cable leakage getting into the Repeater
> Input. The Cable Company was not interested in their problem.
>
> The solution was to hold a Simplex Net, nightly, on that frequency. The start
> time was 8PM (Prime Time !!).
>
> The leakage problem got cured rather quickly.
>
> 73, Dick, W1KSZ

Ha! :-)

Good for you guys. Well done.

I am keeping that solution in my files here for use when needed.

Ken W7EKB

32526. Doublet Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 17:08:22 UTC
From: lilhawk236@...
Topic: 32526 Message: 32526

Hello All,

Set-up= FT857D/LDG200Pro and a doublet antenna cut for 160m-6m, the ladder line is 450 and is about 150' maybe 160', I also have a 4:1 Balun with about 20' of RG8U coax. My QTH is 849' ABS and my Doublet is 65' ABG. I was doing equipment check today to make sure that everything was in working conditions.

To give you you more information about my antenna:

It is a doublet with 260' from north to south and 130' east to west this is respectful to lobes. So in it's simplest form it is a fan doublet with 160m and 80m at the feed point and the two closes angles of the wires is about 35 degrees, the others are about 45 degrees or more.

As I checked the radio everything was fine into the dummy load. After that I checked the tuner and everything was fine into the dummy load after the tuner. Once I connected the antenna things went a little different then I hoped. I disconnected the antena and brought out the old trusty MFJ-259 (non B) and the antenna SWR was high on the higher bands and it was low on the lower bands. 30 meters or higher the SWR was above 3:1 or higher but, the resistance was below 75 ohms. 40 meters and below the SWR was less than 2.9:1 and the resistance was below 75 ohms. On the SO239 side of the balun of the doublet I took a regular voltmeter and made sure I had my zero ohms. Yes I did have the zero ohms.

Now I am at the point of where do I go from here and what would be my next step?

I do not know what other information is needed for the Elmering that I am in need of. I really do not want to take this antenna down from its 4 support points. Unless I really and truly have to.

If anyone has any idea(s) that will help will greatly be appreciated. Thank you in advance for all the Elmering of those in this group.

KD8DVY/QRP
Harold

32527. RE: [ham-antennas] Doublet Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 17:21:29 UTC
From: Billy McFarland
Topic: 32526 Message: 32527

Harold,

Just a quick thing I take it both lengths of the dipole dublet are the same size? Also have you tried the 4:1 balun straight at the back of the ldg tuner and the ladder line straight into the balun doing away with the 50ohm coax

73 Billy
GM0OBX
SKCC# 12202

32528. Re: [ham-antennas] Doublet Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 18:14:10 UTC
From: KA4INM radio
Topic: 32526 Message: 32528

On 05/25/14 13:08, Harold KD8DVY lilhawk236@... wrote:

> Set-up= FT857D/LDG200Pro and a doublet antenna cut for 160m-6m, the
> ladder line is 450 and is about 150' maybe 160', I also have a 4:1 Balun
> with about 20' of RG8U coax. My QTH is 849' ABS and my Doublet is 65'
> ABG. I was doing equipment check today to make sure that everything was
> in working conditions.

Cutting a two band fan dipole for 160-6 meters strongly depends on
having a very wide range tuner and I believe most would use a "T" type
of tuner. What make and model tuner are you using?
Lacking that, you can add lump constant reactances (or preset lengths
of added feedline) for particular bands. You are fortunate to have the
room for such a large antenna.
Another alternative is to erect another antenna, perhaps for 20
meters and use it with the tuner for the higher bands.
(perhaps with coaxial feed)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32529. Re: [ham-antennas] Doublet Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 18:19:25 UTC
From: Artek Manuals
Topic: 32526 Message: 32529

The set up you describe will give SWR's of 3:1 and higher on all bands
40 meters and above by design. This is because each leg is a multiple of
1/2 wavelength (with the exception of the WARC bands)

Regardless of the statement above, baluns are always suspect until
proven other wise. I personally "characterize" any balun home brew or
commercial over the frequency range of use. In this case since it is a
4:1 I would terminate it with a 200 ohm resistor and then check the to
be sure it is reading 50 ohms (1:1 SWR) across all frequencies you
intend to use it.

Assuming the balun is good, the losses due to SWR will be minimal with
the ladder line and only 20' of coax. Since you say you have an antenna
tuner, as long as the tuner will match the the the antenna feedline to
the transmitter with 1:1 SWR I would not worry a lot about it.

A final bit of wisdom ..Given the history of quality and reliability
problems with MFJ products I would leery of making judgements based
solely on data derived from that unit
Dave
NR1DX

On 5/25/2014 12:21 PM, Billy McFarland gm0obx@... [ham-antennas]
wrote:
>
> Harold,
>
> Just a quick thing I take it both lengths of the dipole dublet are the
> same size? Also have you tried the 4:1 balun straight at the back of
> the ldg tuner and the ladder line straight into the balun doing away
> with the 50ohm coax
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
>
> ---
> *From: * lilhawk236@... [ham-antennas]
> <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * [ham-antennas] Doublet Antenna
> *Sent: * Sun, May 25, 2014 5:08:22 PM
>
> ?
>

> Hello All,
>
> Set-up= FT857D/LDG200Pro and a doublet antenna cut for 160m-6m, the
> ladder line is 450 and is about 150' maybe 160', I also have a 4:1
> Balun with about 20' of RG8U coax.? My QTH is 849' ABS and my Doublet
> is 65' ABG.? I was doing equipment check today to make sure that
> everything was in working conditions.
>
> To give you you more? information about my antenna:
>
> It is a doublet with 260' from north to south and 130' east to west
> this is respectful to lobes. So in it's simplest form it is a fan
> doublet with 160m and 80m at the feed point and the two closes angles
> of the wires is about 35 degrees, the others are about 45 degrees or more.
>
>
> As I checked the radio everything was fine into the dummy load. After
> that I checked the tuner and everything was fine into the dummy load
> after the tuner. Once I connected the antenna things went a little
> different then I hoped. I disconnected the antena and brought out the
> old trusty MFJ-259 (non B) and the antenna SWR was high on the higher
> bands and it was low on the lower bands. 30 meters or higher the SWR
> was above 3:1 or higher but, the resistance was below 75 ohms. 40
> meters and below the SWR was less than 2.9:1 and the resistance was
> below 75 ohms. On the SO239 side of the balun of the doublet? I took
> a regular voltmeter and made sure I had my zero ohms. Yes I did have
> the zero ohms.
>
> Now I am at the point of where do I go from here and what would be my
> next step?
>
> I do not know what other information is needed for the Elmering that I
> am in need of. I really do not want to take this antenna down from its
> 4 support points. Unless I really and truly have to.
>
> If anyone has any idea(s) that will help will greatly be appreciated.
> Thank you in advance for all the Elmering of those in this group.
>
> KD8DVY/QRP
> Harold
>
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32530. Re: [ham-antennas] Re: ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 18:54:23 UTC
From: Hylton Conacher (ZR1HPC)
Topic: 32109 Message: 32530

Hi Natarajan,

On 23/04/14 01:56, ke7zag@... wrote:
> Hi Natarajan,
>
>
> I own and use a Bencher Butternut HF9V which is the 9 band version of
> the HF6V. It is a good physically short vertical for 6 through 80, and
> will work in a limited fashion on 160. Carefully read the installation
> instructions regarding mounting, as ground mounting requires an
> extensive ground radial field for the antenna to be effective. If it is
> on a mast or roof it will require some form of lengthy counterpoise
> system cut to resonant lengths for the bands you intend to work. Or, it
> can be mounted on a large area of metal roofing as long as the area is
> large enough to create a reflective ground plane.
>
>
> The HF9V is also resonant on 2 meters and works very well on FM vertical
> polarization, so with a bit of creative cabling and a very minor amount
> of tuning you can use it on that band. Never checked the HF6V, but
> would expect it to be very close to the HF9V on 2 meters.
>
>
> One thing to consider with the Bencher Butternut antennas is that they
> are not easy to tune. It takes a great deal of time and effort with a
> decent antenna analyzer to properly set one up and have it actually
> perform where it should. Another consideration is wind, they do not
> take kindly to high winds and will require maintenance. I repair mine
> after every 80 mph wind, and then have to retune it to bring it back
> into my usable frequencies. My opinion is that they are excellent
> vertical antennas, but maybe not for the person just starting out as
> they can be quite daunting and labor intensive.
>
>
> If available in India, I would consider the Zero-Five 6-80 meter ground
> plane vertical for a new HF vertical antenna installation, they require
> no tuning, go together in a very short time, and have a very effective
> ground plane system built into them when properly mounted. They have
> much better wind resistance than the Butternut. They also cost much
> less than the Butternut and are far more durable.
>
>
> I have used the CP6AR and would not recommend it to anyone for any
> purpose if they had to pay for the thing. I got mine for free and ended
> up scrapping it to use in a homebrew project, and it was great for that!

>
I am going to go against what Randy, and many others say here regarding the Zero-Five. I would personally not trust ANY company who tries to tell me that they have overcome the rules of radio transmission and that their antenna is so superior it does not require radials. To my knowledge all commercial radio stations invest a substantial amount in their antenna's and grounding. Would they do so if they didn't have to?

EVERY antenna requires a ground plane as it makes up half the antenna. Think of a dipole with both legs, of equal length. When coax is attached, the centre core goes to one side of a dipole and the shielding/ground going to the other leg i.e. One to the ground and the other is the driven element.

I too am looking at an HF antenna having obtained an HF rig. Unfortunately I am space limited although I could possibly fit a half size G5RV just above my house roof. Unfortunately I won't be able to work 3.5/ 80m and 1.8 MHz /160m but 40,20, 10m plus a Slimjim for 70cm and a separate vertical for 2m should be OK, at least to start. Hopefully I will find a homebrew way by possibly combining two G5RV antenna's to work 80 and 160m.

My 2c's worth from South Africa and thanks for starting the discussion.
73 de ZR1HPC
Hylton
hylton at conacher dot co dot za
>

32531. Re: [SPAM] Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-25 20:40:17 UTC
From: Adrian Flynn
Topic: 32464 Message: 32531

For the power,line problems complain to the local power company a few times preferably to an upper level supervisor, each time you call *fight to get the next higher supervisor!*

For the Cable problem file a complaint with the FCC field office for your area if no satisfaction with one call to the *Manager* of the cable company.

If no results from power company after about 5 calls (About 1 a month) then also report to FCC Field office.

If it is making a local repeater unusable then chances are very good it is interfering with local emergency and air traffic to some degree as they are all in about the same Freq spectrum.

Hope this helps.

Remember the *"Squeaky wheel gets the grease!"*

72/73
Adrian KF7DYU

On Sun, May 25, 2014 at 7:35 AM, 'radiomanL' radiomanl@...[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Thanks for the ideas .
> La Grange is not a large city and I have walked around a 6 block area with
> a Grundig mini 300 and found noise at every pole and transformer I checked
> . I did find one arcing arrestor on a transformer in the next block . I had
> walked over to a neighbors house and heard it , getting louder the closer I
> got to it . I live in a semi industrial area so it could be anything . gave
> up looking for it and just deal with it as best I can . there is also a
> leak in the cable system that is interfering with the local repeater to the
> point where no one uses it any more . It is the audio from TLC . reported
> it to the cable supplier and they were not really interested in repairing
> it . A new company owns it now so maybe something will be done .
>
> andrew
> kd5pnt
>
>
>

32532. Re: [ham-antennas] Re: Mobile Screwdriver Antenna wont tune 20m suddenly

Yahoo group: ham-antennas (2014)
Date: 2014-05-26 00:47:14 UTC
From: Goldtr8 (KD8NNU)
Topic: 32449 Message: 32532

Just to update the group.

My problem appeared to be water in the N connector adaptor. After drying it out and filling all Coax connections with STUF the problem has gone away and not returned.

I also rebonded everything using start washers and an anti-corrosion grease for extra measure. The antenna now tunes all bands from 80 to 10 no issues.

Thanks for everyone who sent me things to try.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, May 20, 2014 1:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Mobile Screwdriver Antenna wont tune 20m suddenly

I have a Lil Tarheel II mounted on my Ram pickup. I was having problems tuning 20 and 15 meters, really all the higher bands.I made some changes in the grounding and now all bands tone to 1.5.1 or better EXCEPT
20 meters which I can now get to 2.1, it was way over 3 but I have been playing with the length of coax and the swr has improved. I thought I needed a shunt coil but 80 and 40 tune perfectly so I was told I don't need a shunt coil. I am using an IC-7000 and have the Better RF controller that I was unable to use because of not being able to tune some bands. I hope to be able to hook that back up soon. Good Luck!
73
Bill AB9QU

32534. Re: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-26 12:24:32 UTC
From: crrestoration@...
Topic: 32464 Message: 32534

Not sure how this thread turned into a powerline noise issue which I do not have an problem with.

32535. Re: Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-26 15:18:07 UTC
From: daverickmers@...
Topic: 32464 Message: 32535

Try using a full wave loop for receive only. I use an MFJ-1026 to "mix" my loop (at 15', horizontal 80m fullwave) with a vertical. I get the noise way down. I am on a typical suburban lot. ymmv 73 de dave/kd6il

32536. safty belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 02:29:25 UTC
From: dalecole3502@...
Topic: 32536 Message: 32536

Here is a new one for you; Bought a safety belt at Dayton so I would not have to borrow someone else when I needed to go up the tower. I have the old Standard (a fore runner of Rohn) tower which uses the "X" crossbars instead of the common Rohn which uses the "Z" pattern. About half way up, the snap "snapped" firmly in place. I did not realize that as the tower got higher the crossbars got smaller, and that "snap" I heard, was the sound of the clamp making a very firm grasp of the crossbar because they were almost identical in size and, in which I could not get to release. I saw my neighbor come home from golfing but could not get the courage to shout at him, and I knew my wife could not hear me. The only visions I had was the local fire department with their boom truck in my back yard. After "dangling" up there for about 15 minutes (which ed seemed like an hour), and sweating up a storm, I finally got it to release and decied that was as high as I was going up tonight, and until I find a work around.
Thought this might give someone a chuckle

Dale K8TS

32537. 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 03:57:25 UTC
From: dixie_pride_towing@...
Topic: 32537 Message: 32537

I have a 2m beam that I have been told is over 50 years old. I dont know anything about it and I need help. It has 13 elements and a beta match. Anyone know who made this antenna and what kind of gain it has. Thanks

KK4HAO Kenny G. 73's

32538. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 04:56:45 UTC
From: Alex Netherton
Topic: 32537 Message: 32538

No way to know who made it. Gain should be in order of 10+ dB. Give it the smoke test on low power.

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On May 26, 2014 11:57 PM, "dixie_pride_towing@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> I have a 2m beam that I have been told is over 50 years old. I dont know
> anything about it and I need help. It has 13 elements and a beta match.
> Anyone know who made this antenna and what kind of gain it has. Thanks
>
>
> KK4HAO Kenny G. 73's
>
>

32539. RE: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 05:10:08 UTC
From: MIKE DURKIN
Topic: 32537 Message: 32539

I cant see it ...

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Tue, 27 May 2014 00:56:45 -0400
Subject: Re: [ham-antennas] 2m beam need help figuring it out

No way to know who made it. Gain should be in order of 10+ dB. Give it the smoke test on low power.
Alex Netherton

BlueRidgeDiscovery.org

Amateur Radio KC4BO
On May 26, 2014 11:57 PM, "dixie_pride_towing@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I have a 2m beam that I have been told is over 50 years old. I dont know anything about it and I need help. It has 13 elements and a beta match. Anyone know who made this antenna and what kind of gain it has. Thanks

KK4HAO Kenny G. 73's

32540. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 05:39:48 UTC
From: dixie_pride_towing@...
Topic: 32537 Message: 32540

What is the smoke test and I will take a picture of it tomarrow when it is light out

32541. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 07:11:06 UTC
From: Todd F. Carney / K7TFC
Topic: 32537 Message: 32541

The *smoke test* is just to hook it up to your rig, give it a try, and if it or your rig doesn't smoke, it passes.

Actually, you'd probably want to hook an *SWR meter* between the radio and the antenna, set you rig to no more than 5 watts (less if possible), and take different readings up and down the band. If you can get it up on some kind of temporary mast--even just ten feet up, that'll give you better readings. Try to test it away from big hunks of metal if you can, and use 20ft or so of coax so you can get a little ways from the antenna to minimize the effect of *body capacitance*. All this would be for just a preliminary test. The readings will be a little different in its permanent location.

Better still would be an *antenna analyzer* for testing. If the *SWR* is less than 2:1 (at least somewhere in the band), give it was try. Point it at one of your local repeaters. 13 elements will have fairly-narrow *beamwidth*, but it will give you lots of *forward gain* and excellent *front-to-back
ratio*.

If you need more background info, look up the terms I've underlined above using Google. There's excellent stuff on the first half of the results page. You'll even find good videos on the subject there.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Tue, May 27, 2014 at 5:39 AM, dixie_pride_towing@...[ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> What is the smoke test and I will take a picture of it tomarrow when it is
> light out
>
>

32542. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 12:55:38 UTC
From: KA4INM radio
Topic: 32537 Message: 32542

On 05/26/14 23:57,KK4HAO Kenny G. dixie_pride_towing@...:

> I have a 2m beam that I have been told is over 50 years old. I dont
> know anything about it and I need help. It has 13 elements and a beta
> match. Anyone know who made this antenna and what kind of gain it has.

I think Cushcraft made a 13 element two meter beam fifty years ago,
if so it was most likely a SSB beam designed to be used horizontally and
tuned to the bottom of the band. (144 to 144.5 MHz.)
But I am fairly sure it used a GAMA matching system.

A picture of of how the elements are mounted on the boom might help
identify it.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32543. safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 14:02:51 UTC
From: W1JCW
Topic: 32536 Message: 32543

Dale -

At least you did not have a failure of the equipment and you were not going to fall but yes how ironic.

Be safe.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 26, 2014 9:29 PM
To: ham-antennas@yahoogroups.com
Cc: Knapp, Larry
Subject: [ham-antennas] safty belt

Here is a new one for you; Bought a safety belt at Dayton so I would not have to borrow someone else when I needed to go up the tower. I have the old Standard (a fore runner of Rohn) tower which uses the "X" crossbars instead of the common Rohn which uses the "Z" pattern. About half way up, the snap "snapped" firmly in place. I did not realize that as the tower got higher the crossbars got smaller, and that "snap" I heard, was the sound of the clamp making a very firm grasp of the crossbar because they were almost identical in size and, in which I could not get to release. I saw my neighbor come home from golfing but could not get the courage to shout at him, and I knew my wife could not hear me. The only visions I had was the local fire department with their boom truck in my back yard. After "dangling" up there for about 15 minutes (which ed seemed like an hour), and sweating up a storm, I finally got it to release and decied that was as high as I was going up tonight, and until I find a work around.

Thought this might give someone a chuckle

Dale K8TS

32544. RE: [ham-antennas] safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 17:16:28 UTC
From: Scott Myers
Topic: 32536 Message: 32544

Not to create controversy, but climbing belts shouldn't be considered safe. Sure, they were used for years, but that doesn't make them safe. I'd like to give my slant on personal climbing safety. A tough and scary lesson learned by W1JCW for not having the right lanyard. I'm am glad you are OK John.

Climbing harnesses with climbing double shock lanyards, safe. Climbing belts, regardless of lanyard arrangement, not safe. If one falls with a belt while climbing, the lanyard catching you will bend you in half from inertia and slam your head into the tower leg. If you fall with a harness and the lanyard catches you, it won't feel good, but you stay upright and it doesn't bend you in half and slam your head into the tower. With a belt, if one is knocked out and flips upside down, what is to keep you from falling out of the belt? Answer - nothing, even if it has the leg straps. With a harness, the climbing lanyard attachment point is in the middle of the upper back and if the climber is rendered unconscious while climbing, the climber is still going to be hanging in an upright position. If the climber has the positioning lanyard in place to do work and something renders him unconscious and he does flip inverted somehow, the shoulder straps keep him in the harness.

And free climbing, like I have seen so many of my friends do up a tower without using the dual lanyard system is just foolish. And I've told them so. I like my friends too much to not say something. Do some still do it? Yes, unfortunately.

For this reason, climbing belts were long ago made "unapproved" in commercial climbing applications. One should never cut corners on climbing equipment or buy used climbing gear. Minimum cost of a decent low end (but safe) harness and dual shock lanyards is around $250. It's a small price to put on your life. A really nice one with 6 attachment points, padding and a seat (to stop compartment syndrome) for extended tower work is about $400+. Then the 6' rope positioning lanyard is about another $40. And adjustable one is over $100.

And you should buy the correct shock climbing dual lanyards with the right clip attachments you have on your tower. I like the big open 3" snaphooks with the 3.6M rated gates ,as they will work for just about any tower, but do cost a bit more.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 27, 2014 10:03 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] safety belt

Dale -

At least you did not have a failure of the equipment and you were not going to fall but yes how ironic.

Be safe.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 26, 2014 9:29 PM
To: ham-antennas@yahoogroups.com
Cc: Knapp, Larry
Subject: [ham-antennas] safty belt

Here is a new one for you; Bought a safety belt at Dayton so I would not have to borrow someone else when I needed to go up the tower. I have the old Standard (a fore runner of Rohn) tower which uses the "X" crossbars instead of the common Rohn which uses the "Z" pattern. About half way up, the snap "snapped" firmly in place. I did not realize that as the tower got higher the crossbars got smaller, and that "snap" I heard, was the sound of the clamp making a very fi! rm grasp of the crossbar because they were almost identical in size and, in which I could not get to release. I saw my neighbor come home from golfing but could not get the courage to shout at him, and I knew my wife could not hear me. The only visions I had was the local fire department with their boom truck in my back yard. After "dangling" up there for about 15 minutes (which ed seemed like an hour), and sweating up a storm, I finally got it to release and decied that was as high as I was going up tonight, and until I find a work around.

Thought this might give someone a chuckle

Dale K8TS

32545. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 17:23:36 UTC
From: Alex Netherton
Topic: 32537 Message: 32545

The Smoke Test is an old Ham Radio test where you hook up a component or piece of equipment, apply power, and see if it smokes. Tune for maximum smoke and minimum burn.

It is an old saying "tune it up and see if it smokes". The Smoke Test is just really a test to check for continuity. The idea is that if you apply power and no smoke, good. If you turn it on and no smoke, good. If you tune it up and no smoke, good. If you transmit and no smoke, good. Smoke at any point of the procedure is bad. I knew an old auto mechanic who when looking for a fault in wiring that was blowing a fuse, would cut a piece of copper tubing the size of the fuse and place it in the fuse holder, then stand back and look for smoke. The smoke usually came from the faulty shorted wire.

In older equipment in older shacks the Smoke Test was a valid way of testing equipment - a little smoke would not kill most equipment; nowadays it only takes a little.

Anyway, the Smoke Test is the initial trials of any piece of equipment, just checking it out to see if it works.

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, May 27, 2014 at 1:39 AM, dixie_pride_towing@...[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> What is the smoke test and I will take a picture of it tomarrow when it is
> light out
>
>

32546. RE: [ham-antennas] safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 17:36:33 UTC
From: rolandbrade@...
Topic: 32536 Message: 32546

Well put Scott, also not forgetting a proper hard hat. I once saw a colleague come a cropper when not wearing a hat and he made an awful dent in his head! Nothing too serious but he was sporting a big scare for the rest of his life.
If you are not confident then don't do it, get someone else who is fully able and experienced to do it.
Roley G3VIR

---In ham-antennas@yahoogroups.com, <ac8de@...> wrote :

Not to create controversy, but climbing belts shouldn't be considered safe. Sure, they were used for years, but that doesn't make them safe. I'd like to give my slant on personal climbing safety. A tough and scary lesson learned by W1JCW for not having the right lanyard. I'm am glad you are OK John.

Climbing harnesses with climbing double shock lanyards, safe. Climbing belts, regardless of lanyard arrangement, not safe. If one falls with a belt while climbing, the lanyard catching you will bend you in half from inertia and slam your head into the tower leg. If you fall with a harness and the lanyard catches you, it won't feel good, but you stay upright and it doesn't bend you in half and slam your head into the tower. With a belt, if one is knocked out and flips upside down, what is to keep you from falling out of the belt? Answer - nothing, even if it has the leg straps. With a harness, the climbing lanyard attachment point is in the middle of the upper back and if the climber is rendered unconscious while climbing, the climber is still going to be hanging in an upright position. If the climber has the positioning lanyard in place to do work and something renders him unconscious and he does flip inverted somehow, the shoulder straps keep him in the harness.

And free climbing, like I have seen so many of my friends do up a tower without using the dual lanyard system is just foolish. And I've told them so. I like my friends too much to not say something. Do some still do it? Yes, unfortunately.

For this reason, climbing belts were long ago made "unapproved" in commercial climbing applications. One should never cut corners on climbing equipment or buy used climbing gear. Minimum cost of a decent low end (but safe) harness and dual shock lanyards is around $250. It's a small price to put on your life. A really nice one with 6 attachment points, padding and a seat (to stop compartment syndrome) for extended tower work is about $400+. Then the 6' rope positioning lanyard is about another $40. And adjustable one is over $100.

And you should buy the correct shock climbing dual lanyards with the right clip attachments you have on your tower. I like the big open 3" snaphooks with the 3.6M rated gates ,as they will work for just about any tower, but do cost a bit more.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 27, 2014 10:03 AM
To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] safety belt

Dale -

At least you did not have a failure of the equipment and you were not going to fall but yes how ironic.

Be safe.

73-
W1JCW
John

From: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com]
Sent: Monday, May 26, 2014 9:29 PM
To: ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com
Cc: Knapp, Larry
Subject: [ham-antennas] safty belt

Here is a new one for you; Bought a safety belt at Dayton so I would not have to borrow someone else when I needed to go up the tower. I have the old Standard (a fore runner of Rohn) tower which uses the "X" crossbars instead of the common Rohn which uses the "Z" pattern. About half way up, the snap "snapped" firmly in place. I did not realize that as the tower got higher the crossbars got smaller, and that "snap" I heard, was the sound of the clamp making a very fi! rm grasp of the crossbar because they were almost identical in size and, in which I could not get to release. I saw my neighbor come home from golfing but could not get the courage to shout at him, and I knew my wife could not hear me. The only visions I had was the local fire department with their boom truck in my back yard. After "dangling" up there for about 15 minutes (which ed seemed like an hour), and sweating up a storm, I finally got it to release and decied that was as high as I was going up tonight, and until I find a work around.

Thought this might give someone a chuckle

Dale K8TS

32547. safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 18:38:02 UTC
From: W1JCW
Topic: 32536 Message: 32547

W1JCW never had a scary lesson.

I was pointing out that at least he did not fall or have another type of FAILURE.

73-

W1JCW

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 27, 2014 12:16 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] safety belt

Not to create controversy, but climbing belts shouldn't be considered safe. Sure, they were used for years, but that doesn't make them safe. I'd like to give my slant on personal climbing safety. A tough and scary lesson learned by W1JCW for not having the right lanyard. I'm am glad you are OK John.

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And you should buy the correct shock climbing dual lanyards with the right clip attachments you have on your tower. I like the big open 3" snaphooks with the 3.6M rated gates ,as they will work for just about any tower, but do cost a bit more.

Scott AC8DE

32548. RE: [ham-antennas] safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 19:29:51 UTC
From: Scott Myers
Topic: 32536 Message: 32548

Oh your right. It was Dale K8TS. My apology.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 27, 2014 2:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] safety belt

W1JCW never had a scary lesson.

I was pointing out that at least he did not fall or have another type of FAILURE.

73-

W1JCW

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, May 27, 2014 12:16 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] safety belt

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Scott AC8DE

32549. RE: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 20:00:06 UTC
From: José Manuel Andrade
Topic: 32537 Message: 32549

Hi all,

Actually all semiconductors work with smoke. Everyone knows that, once a transistor releases it smoke, it will never work again :)

73

Jose Andrade

CS7ACK

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: 27 de maio de 2014 18:24
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 2m beam need help figuring it out

The Smoke Test is an old Ham Radio test where you hook up a component or piece of equipment, apply power, and see if it smokes. Tune for maximum smoke and minimum burn.

It is an old saying "tune it up and see if it smokes". The Smoke Test is just really a test to check for continuity. The idea is that if you apply power and no smoke, good. If you turn it on and no smoke, good. If you tune it up and no smoke, good. If you transmit and no smoke, good. Smoke at any point of the procedure is bad. I knew an old auto mechanic who when looking for a fault in wiring that was blowing a fuse, would cut a piece of copper tubing the size of the fuse and place it in the fuse holder, then stand back and look for smoke. The smoke usually came from the faulty shorted wire.

In older equipment in older shacks the Smoke Test was a valid way of testing equipment - a little smoke would not kill most equipment; nowadays it only takes a little.

Anyway, the Smoke Test is the initial trials of any piece of equipment, just checking it out to see if it works.

73

Alex Netherton
http://blueridgediscovery.org

Amateur Radio call KC4BO (1979)

On Tue, May 27, 2014 at 1:39 AM, dixie_pride_towing@... <mailto:dixie_pride_towing@...> [ham-antennas] <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com> > wrote:

What is the smoke test and I will take a picture of it tomarrow when it is light out

32550. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 20:19:21 UTC
From: Alex Netherton
Topic: 32537 Message: 32550

Actually all semiconductors work with smoke. Everyone knows that, once a transistor releases it smoke, it will never work again

Sigh. It does seem that way, doesn't it? Silicon making smoke is a bad thing.

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, May 27, 2014 at 4:00 PM, José Manuel Andrade jose.andrade@... [ham-antennas] <ham-antennas@yahoogroups.com>wrote:

>
>
> Hi all,
>
> Actually all semiconductors work with smoke. Everyone knows that, once a
> transistor releases it smoke, it will never work again J
>
>
>
> 73
>
>
>
> Jose Andrade
>
> CS7ACK
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>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* 27 de maio de 2014 18:24
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] 2m beam need help figuring it out
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> Amateur Radio call KC4BO (1979)
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32551. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 20:52:41 UTC
From: Ken Burchfield
Topic: 32537 Message: 32551

Here is the specs for Cushcraft 13 element

beam.
73 Ken

http://www.cushcraftamateur.com/pdffiles/951410.pdf

The Cushcraft 13B2 Boomer is a 2 meter wideband yagi for FM,

Packet, CW and SSB. Mast shown is not included.

13B2 Specifications
Frequency: 144-148 MHz
Elements: 13
Gain: 15.8 dBd
Front To Back Ratio: 26 dB
VSWR 2:1 Bandwidth: >4 MHz
Power: 2000 watts PEP
Longest Element: 40 inches (1.01 m)
Turning Radius: 8.9 feet (2.7 m)
Boom Length: 15 feet (4.57 m)
Wind Surface: 1.8 sq. feet
Connector: UHF (SO-239)
Weight: 6.7 Lbs (3.1 kg)
Specifications are subject to change without notice.

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud
Baud

On Monday, May 26, 2014 11:56 PM, "Alex Netherton anetherton@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

No way to know who made it. Gain should be in order of 10+ dB. Give it the smoke test on low power.
Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On May 26, 2014 11:57 PM, "dixie_pride_towing@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

>
>I have a 2m beam that I have been told is over 50 years old. I dont know anything about it and I need help. It has 13 elements and a beta match. Anyone know who made this antenna and what kind of gain it has. Thanks
>
>
>KK4HAO Kenny G. 73's

32552. AW: [ham-antennas] safety belt

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 21:31:24 UTC
From: siegfried jackstien
Topic: 32536 Message: 32552

http://www.youtube.com/watch?v=9b9LahaBJIk

http://www.youtube.com/watch?v=2A_h2AjJaMw

http://www.youtube.com/watch?v=mTOChPRuqVw

some climb safe and some do not

(I would prefer the safe way)

I can not understand that there are still tower climbers doing free climbing
without double safety lines

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 27. Mai 2014 19:30
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] safety belt
>
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>
> Oh your right. It was Dale K8TS. My apology.
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>
> Scott AC8DE
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, May 27, 2014 2:38 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] safety belt
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> Subject: RE: [ham-antennas] safety belt
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> Scott AC8DE
>
>

32553. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 23:05:08 UTC
From: Kenny Grabarczyk
Topic: 32537 Message: 32553

I dont believe it's a cushcraft. Here's a picture and look at the coax matcher I was told it was a beta match.

On Tue, May 27, 2014 4:52 PM EDT Ken Burchfield k5jxl@... [ham-antennas] wrote:

>Here is the specs for Cushcraft 13 element
>
> beam.
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> The Cushcraft 13B2 Boomer is a 2 meter wideband yagi for FM,
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>Gain: 15.8 dBd
>Front To Back Ratio: 26 dB
>VSWR 2:1 Bandwidth: >4 MHz
>Power: 2000 watts PEP
>Longest Element: 40 inches (1.01 m)
>Turning Radius: 8.9 feet (2.7 m)
>Boom Length: 15 feet (4.57 m)
>Wind Surface: 1.8 sq. feet
>Connector: UHF (SO-239)
>Weight: 6.7 Lbs (3.1 kg)
>Specifications are subject to change without notice.
>
>
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> PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud
>
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>No way to know who made it. Gain should be in order of 10+ dB. Give it the smoke test on low power.
>Alex Netherton
>BlueRidgeDiscovery.org
>Amateur Radio KC4BO
>On May 26, 2014 11:57 PM, "dixie_pride_towing@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
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>I have a 2m beam that I have been told is over 50 years old. I dont know anything about it and I need help. It has 13 elements and a beta match. Anyone know who made this antenna and what kind of gain it has. Thanks
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>KK4HAO Kenny G. 73's
>
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[Non-text portions of this message have been removed]

32554. RE: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 23:27:45 UTC
From: MIKE DURKIN
Topic: 32537 Message: 32554

I dont see the pic ...

Put the pic in the photo section .. then copy the url of the pic and paste that into the email ... yahoo shouldnt strip it out ...

this is a test ..

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1574379822/lightbox/1727921296?orderBy=mtime&sortOrder=desc&photoFilter=ALL#

i liked the open line ...

Mike KC7NOA

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Tue, 27 May 2014 16:05:08 -0700
Subject: Re: [ham-antennas] 2m beam need help figuring it out

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>Power: 2000 watts PEP

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> PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

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>Alex Netherton

>BlueRidgeDiscovery.org

>Amateur Radio KC4BO

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>KK4HAO Kenny G. 73's

>

>

[Non-text portions of this message have been removed]

32555. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-27 23:41:48 UTC
From: Joe
Topic: 32537 Message: 32555
Attachments: 1 described; binary payloads are missing from this source WARC

Yahoo only strips the image out if the owner sets it up that way.

I'm a member of many groups where it will pass images just fine.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 5/27/2014 6:27 PM, MIKE DURKIN Patriot121@... [ham-antennas] wrote:
>
>
> I dont see the pic ...
>
> Put the pic in the photo section .. then copy the url of the pic and
> paste that into the email ... yahoo shouldnt strip it out ...
>
> this is a test ..
>
> https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1574379822/lightbox/17279
21296?orderBy=mtime&sortOrder=desc&photoFilter=ALL#
>
> i liked the open line ...
>
> Mike KC7NOA
>
> ---
> To: ham-antennas@yahoogroups.com
> From: ham-antennas@yahoogroups.com
> Date: Tue, 27 May 2014 16:05:08 -0700
> Subject: Re: [ham-antennas] 2m beam need help figuring it out
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>
> ---
> On Tue, May 27, 2014 4:52 PM EDT Ken Burchfield k5jxl@...
> [ham-antennas] wrote:
>
> >Here is the specs for Cushcraft 13 element
> >
> > beam.

> >73 Ken
> >
> >http://www.cushcraftamateur.com/pdffiles/951410.pdf
> >
> >
> > The Cushcraft 13B2 Boomer is a 2 meter wideband yagi for FM,
> >
> >Packet, CW and SSB. Mast shown is not included.
> >
> >13B2 Specifications
> >Frequency: 144-148 MHz
> >Elements: 13
> >Gain: 15.8 dBd
> >Front To Back Ratio: 26 dB
> >VSWR 2:1 Bandwidth: >4 MHz
> >Power: 2000 watts PEP
> >Longest Element: 40 inches (1.01 m)
> >Turning Radius: 8.9 feet (2.7 m)
> >Boom Length: 15 feet (4.57 m)
> >Wind Surface: 1.8 sq. feet
> >Connector: UHF (SO-239)
> >Weight: 6.7 Lbs (3.1 kg)
> >Specifications are subject to change without notice.
> >
> >
> >
> > PacketRadio is Still
> Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud
> >
> >
> >
> >
> >On Monday, May 26, 2014 11:56 PM, "Alex Netherton
> anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> >
> >
> >
> >
> >
> >
> >No way to know who made it. Gain should be in order of 10+ dB. Give
> it the smoke test on low power.
> >Alex Netherton
> >BlueRidgeDiscovery.org
> >Amateur Radio KC4BO
> >On May 26, 2014 11:57 PM, "dixie_pride_towing@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> >
> >
> >

> >I have a 2m beam that I have been told is over 50 years old. I dont
> know anything about it and I need help. It has 13 elements and a beta
> match. Anyone know who made this antenna and what kind of gain it
> has. Thanks
> >
> >
> >KK4HAO Kenny G. 73's
> >
> >
>
> [Non-text portions of this message have been removed]
>
>
>
>
>

32556. Re: 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-28 00:12:59 UTC
From: dixie_pride_towing@...
Topic: 32537 Message: 32556

Ok either im losing my mind or something because I am using a tablet I have tried what people have told me but its not working so yall can see this picture. If someone would like to seit please email me directly. Thanks.

73's Kenny G.

32557. RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 00:47:17 UTC
From: John P.
Topic: 32464 Message: 32557

Just my 2 cents.....

Ran into a problem similar on all bands. Turned out to be a computer power supply - in a desktop.

Changed the power plug to a "CORECOM" one. Cost less than $10 on eBay

73,
John - WA2HIP

On Thu, 5/22/14, 'John Murphy' jmurphy7411@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

Subject: RE: [ham-antennas] Hy-Gain AV-18AVQII - poor reception
To: ham-antennas@yahoogroups.com
Date: Thursday, May 22, 2014, 3:05 PM

Chris, I have been reading
the responses and following this thread since my last
answer. I did not know that the antenna had been remade. I
would also agree with others about reciprocity regarding if
you can transmit, then you should be able to hear them. I
think a problem might be either in your location (which
cannot be changed) or in something producing some form of
electromagnetic radiation, which you cannot obviously hear,
yet it is interfering with your reception. I would start
doing some tracking with a portable battery operated
receiver, just to see what you can see. I have the same
radio, a Kenwood 440S/AT and would not give it up for
anything, and would say you should not give yours up either.
This is a good radio and mine has performed admirably both
in ham service as well as AFMARS service. Just my $0.02
worth.   73 de KCØJPO/AFA8JP

John Murphy, B.S. C.J.; B.S. BusMgmt; MBA
MarketingGMRS Licensee
WQOW801PopComm Monitoring
Station KPC0JPO
"When all else
fails...Amateur Radio"PIO Adams County (CO)
ARESARES/RACES/AFMARS
Nothwest Area, Region 8USAF Security Police,
1973-84Owner, Oil Country
Radio’s701-421-1134Business Email:
ocr58763@... Email:
jmurphy7411@...   From: ham-antennas@yahoogroups.com

[mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, May 21, 2014 1:15 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hy-Gain
AV-18AVQII - poor reception My family complains my
hearing is too sensitive I do not know anyone that does
the radio thing so borrowing one is out.As far as I
know the closest radio repair person/shop is over 500 miles
away. I guess its time to save for something
newer as this is 35+ years
old. Chris

32558. Re: [ham-antennas] 2m beam need help figuring it out

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 09:05:15 UTC
From: dj_philonline@...
Topic: 32537 Message: 32558

I use another type of smoke test for big HF antennas at my last qth, put them up on a tower or on the roof of the house then stand in the garden and smoke a few cigarettes, if the Mrs or any of the neighbors dont come out threatening to cut off parts of your body or try to make you wear the antenna its ok to start other testing!
Sounds like a nice antenna only got 4 elements on VHF myself and its in the loft after a failed attempt to roof mount due to restrictions at this new qth, it still works ok and there is enough room up there to get full all round coverage in a vertical mounting position for FM simplex and repeaters with a small sat dish rotator mounted in a sturdy garden parasol base and a 1m FG pole.
Good luck with it hope all goes well.
Phil M6MRP

32559. Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 14:57:49 UTC
From: email4utoo@...
Topic: 32227 Message: 32559

G. i am very interested to know how your 80 286ft loop works out , and at what height you put it up , will you use an ATU ? I have the room to put up such an antenna, been considering it since i got back in this Great hobby a few months back, now using a OCFD, has 4-1 balun and i use an ATU Z Match emtech-2, i only run 5 watts , but this winter will work on a SS Amp .

73s AJ W5heh

32560. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 16:44:09 UTC
From: Richard Schmuke
Topic: 32227 Message: 32560

AJ, I also run a 80M size delta loop, tuned to the center of the 20M phone band. Fed with coax and a 4:1 current balun at the feed point. I use it on all bands 80 thru 6. It does need a AT on 17, 80 and 30 but good points on the other bands.

14.2 Loop

X

Overall Length Ft

10M

12M

15M

17M

20M

40M

80M

1005/F MHz

70.770

2

141.540

4

3.5

3

2.5

2

1

0.5

70.770

3

212.310

6

5.3

4.5

3.8

3

1.5

0.8

70.770

4

283.080

8X

7X

6X

5X

4X

2X

1X

70.770

5

353.850

10

8.8

7.5

6.4

5

2.5

1.3

70.770

6

424.620

12

10.6

9

7.6

6

3

1.6

70.770

7

495.390

14

12.3

10.5

8.9

7

3.5

1.8

70.770

8

566.160

16X

14X

12X

10X

8X

4X

2X

1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if

the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match

the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, May 29, 2014 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Fiberglass support mast/pole

G. i am very interested to know how your 80 286ft loop works out , and at what height you put it up , will you use an ATU ? I have the room to put up such an antenna, been considering it since i got back in this Great hobby a few months back, now using a OCFD, has 4-1 balun and i use an ATU Z Match emtech-2, i only run 5 watts , but this winter will work on a SS Amp .

73s AJ W5heh

[Non-text portions of this message have been removed]

32561. Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 20:07:50 UTC
From: Billy McFarland
Topic: 32536 Message: 32561

Just thought I would share this story with you all.

I used to have a Vauxhall zafira motor car this had lovely metal roof bars that a nice 3/8 thread could be attached to. I tried mag mounts and all sorts but the long whip a mfj1979 used to tip over even with the strongest of mag mounts.

I sold the car and got myself a new Dacia Sandero. I attached a mag mount to it. Could not get the swr down from about 5:1 on any band. Clearly had an earth issue. I even got a loan of the huge triple mag mounts and still not a good earth. Finally realising that the car had more plastic than metal in the body I had a brain storm (and if anyone has thought of this before then I do apologise but it's the first for me)

I welded a 4 inch square plate 1/4 inch thick to the towing eye (the towing eyes are an inch thick threaded rod which gets screwed into the car chassis for towing when you brake down) then fitted a 3/8 thread to so239 connector on the plate. Ma crewed the towing eye in and attached the mfj 1979. BOY what a difference I could get a 1.3:1 swr to 1.5.1 swr on all bands... Well I'm over the moon easy to set up as well for mobile use. (of course stationary operation only)

73 Billy
GM0OBX
SKCC# 12202

32562. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 20:37:43 UTC
From: N7RJN
Topic: 32536 Message: 32562

Billy,

Do you have a picture showing your mount?

Thanks and 73,

Bob - N7RJN

From: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Reply-To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Thursday, May 29, 2014 at 13:07
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Best mobile earth ever.

>
>
>
>
>
>
>
> Just thought I would share this story with you all.
>
> I used to have a Vauxhall zafira motor car this had lovely metal roof bars
> that a nice 3/8 thread could be attached to. I tried mag mounts and all sorts
> but the long whip a mfj1979 used to tip over even with the strongest of mag
> mounts.
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> I sold the car and got myself a new Dacia Sandero. I attached a mag mount to
> it. Could not get the swr down from about 5:1 on any band. Clearly had an
> earth issue. I even got a loan of the huge triple mag mounts and still not a
> good earth. Finally realising that the car had more plastic than metal in the
> body I had a brain storm (and if anyone has thought of this before then I do
> apologise but it's the first for me)
>
> I welded a 4 inch square plate 1/4 inch thick to the towing eye (the towing
> eyes are an inch thick threaded rod which gets screwed into the car chassis
> for towing when you brake down) then fitted a 3/8 thread to so239 connector on
> the plate. Ma crewed the towing eye in and attached the mfj 1979. BOY what a
> difference I could get a 1.3:1 swr to 1.5.1 swr on all bands... Well I'm over
> the moon easy to set up as well for mobile use. (of course stationary
> operation only)
>
> 73 Billy
> GM0OBX
> SKCC# 12202

>
>
>
>
>
>
>
> From: dalecole3502@... [ham-antennas]
> <ham-antennas@yahoogroups.com>;
> To: <ham-antennas@yahoogroups.com>;
> Cc: Knapp, Larry <kc8jx@...>;
> Subject: [ham-antennas] safty belt
> Sent: Tue, May 27, 2014 2:29:25 AM
>
>
>
> Here is a new one for you; Bought a safety belt at Dayton so I would
> not have to borrow someone else when I needed to go up the tower. I have the
> old Standard (a fore runner of Rohn) tower which uses the "X" crossbars
> instead of the common Rohn which uses the "Z" pattern. About half way up,
> the snap "snapped" firmly in place. I did not realize that as the tower got
> higher the crossbars got smaller, and that "snap" I heard, was the sound of
> the clamp making a very firm grasp of the crossbar because they were almost
> identical in size and, in which I could not get to release. I saw my neighbor
> come home from golfing but could not get the courage to shout at him, and I
> knew my wife could not hear me. The only visions I had was the local fire
> department with their boom truck in my back yard. After "dangling" up there
> for about 15 minutes (which ed seemed like an hour), and sweating up a storm,
> I finally got it to release and decied that was as high as I was going up
> tonight, and until I find a work around.
> Thought this might give someone a chuckle
>
> Dale K8TS
>
>
>
>
>
>
>
>
>
>

32563. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:11:26 UTC
From: Billy McFarland
Topic: 32536 Message: 32563

bob,

this is it here without paint.

http://www.qrz.com/hampages/gm0obx/photo.JPG

which is one of these

http://c1552172.r72.cf0.rackcdn.com/112441_x600.jpg

with the plate welded on top a holde drilled and one of these fitted.
https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcTKRX3MAVQZBEOBXOEUCKQtBJl4TK7qp4ncNfvqH7NsFl8Bz8W5

73 de GMØOBX Billy

From: "N7RJN N7RJN@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Thursday, 29 May 2014, 21:37
Subject: Re: [ham-antennas] Best mobile earth ever.

Billy,

Do you have a picture showing your mount?

Thanks and 73,

Bob - N7RJN

From: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Reply-To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Thursday, May 29, 2014 at 13:07
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Best mobile earth ever.

>
>Just thought I would share this story with you all.
>
>I used to have a Vauxhall zafira motor car this had lovely metal roof bars that a nice 3/8 thread could be attached to. I tried mag mounts and all sorts but the long whip a mfj1979 used to tip over even with the strongest of mag mounts.
>
>I sold the car and got myself a new Dacia Sandero. I attached a mag mount to it. Could not get the swr down from about 5:1 on any band. Clearly had an earth issue. I even got a loan of the huge triple mag mounts and still not a good earth. Finally realising that the car had more plastic than metal in the body I had a brain storm (and if anyone has thought of this before then I do apologise but it's the first for me)

>
>I welded a 4 inch square plate 1/4 inch thick to the towing eye (the towing eyes are an inch thick threaded rod which gets screwed into the car chassis
for towing when you brake down) then fitted a 3/8 thread to so239 connector on the plate. Ma crewed the towing eye in and attached the mfj 1979. BOY what a difference I could get a 1.3:1 swr to 1.5.1 swr on all bands... Well I'm over the moon easy to set up as well for mobile use. (of course stationary operation only)
>
>73 Billy
>GM0OBX
>SKCC# 12202
>
>
>
>_____
> From: dalecole3502@... [ham-antennas] <ham-antennas@yahoogroups.com>;
>To: <ham-antennas@yahoogroups.com>;
>Cc: Knapp, Larry <kc8jx@...>;
>Subject: [ham-antennas] safty belt
>Sent: Tue, May 27, 2014 2:29:25 AM
>
>
>
>Here is a new one for you; Bought a safety belt at Dayton so I would not have to borrow someone else when I needed to go up the tower. I have the old Standard (a fore runner of Rohn) tower which uses the "X" crossbars instead of the common Rohn which uses the "Z" pattern. About half way up, the snap "snapped" firmly in place. I did not realize that as the tower got higher the crossbars got smaller, and that "snap" I heard, was the sound of the clamp making a very firm grasp of the crossbar because they were almost identical in size and, in which I could not get to release. I saw my neighbor come home from golfing but could not get the courage to shout at him, and I knew my wife could not hear me. The only visions I had was the local fire department with their boom truck in my back yard. After "dangling" up there for about 15 minutes (which ed seemed like an hour), and sweating up a storm, I finally got it to release and decied that was
as high as I was going up tonight, and until I find a work around.
>
>Thought this might give someone a chuckle
>
>
>Dale K8TS
>

32564. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:18:23 UTC
From: Joe
Topic: 32536 Message: 32564

Don’t you have a problem, dragging those antenna leads around behind you?

Joe - W7RKN

From: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Best mobile earth ever.

bob,

this is it here without paint.

http://www.qrz.com/hampages/gm0obx/photo.JPG

[Non-text portions of this message have been removed]

32565. Cushcraft R7000 revamp

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:18:58 UTC
From: Billy McFarland
Topic: 32565 Message: 32565

All,

I was given a Cushcraft R7000 Vertical antenna. This needed a lot of work done to it. Anyone interested can have a look at the progress here:

http://gm0obx.blogspot.co.uk/p/cushcraft-r7000-revamp.html

73 de GMØOBX Billy

32566. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:20:56 UTC
From: Billy McFarland
Topic: 32536 Message: 32566

Joe,

the coax will be plugged into the radio this is just into the rigexpert AA54 at the moment and its not for driving about in, but for staionary use.

73 de GMØOBX Billy

From: "Joe w7rkn.7@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, 29 May 2014, 22:18
Subject: Re: [ham-antennas] Best mobile earth ever.

Don’t you have a problem, dragging those antenna leads around behind you?

Joe - W7RKN

From: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Best mobile earth ever.

bob,

this is it here without paint.

http://www.qrz.com/hampages/gm0obx/photo.JPG

[Non-text portions of this message have been removed]

32567. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:27:11 UTC
From: Joe
Topic: 32536 Message: 32567

Heh,...I see you aren’t using an html reader...I had a chuckle face emoticon at the end of my post...it obviously didn’t come through...

I **was** being a bit ‘tongue in cheek’ with my response.....

Joe - W7RKN

From: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Best mobile earth ever.

Joe,

the coax will be plugged into the radio this is just into the rigexpert AA54 at the moment and its not for driving about in, but for staionary use.

32568. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:32:49 UTC
From: Billy McFarland
Topic: 32536 Message: 32568

Just on the I phone joe ;)

73 Billy
GM0OBX
SKCC# 12202

32569. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-29 21:50:46 UTC
From: Don Sanders
Topic: 32536 Message: 32569

normal night time 40 meter noise is S6-7. Some nights it is S9+ until a
good rain.
Hard to hear qrp and poor antenna stations
The GAP DSP unit helps a lot.
Don W4BWS

On Thu, May 29, 2014 at 4:32 PM, Billy McFarland gm0obx@yahoo.co.uk
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Just on the I phone joe ;)
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
> ----------
> * From: * Joe w7rkn.7@... [ham-antennas] <
> ham-antennas@yahoogroups.com>;
> * To: * <ham-antennas@yahoogroups.com>;
> * Subject: * Re: [ham-antennas] Best mobile earth ever.
> * Sent: * Thu, May 29, 2014 9:27:11 PM
>
>
>
> Heh,...I see you aren't using an html reader...I had a chuckle face
> emoticon at the end of my post...it obviously didn't come through...
>
> I **was** being a bit 'tongue in cheek' with my response.....
>
> Joe - W7RKN
>
> *From:* mailto:ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Best mobile earth ever.
>
>
>
>
> Joe,
>
> the coax will be plugged into the radio this is just into the rigexpert
> AA54 at the moment and its not for driving about in, but for staionary use.
>
>

>
>
>

--
Dr. Don W4BWS

32570. AW: [ham-antennas] Cushcraft R7000 revamp

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 10:27:09 UTC
From: siegfried jackstien
Topic: 32565 Message: 32570

Hello billy

Nice rework of the tuning box

....

Self resonance of your choke is (from manufacturer) 25 megs

Hmmmm it is a vhf choke so maybe a bit low on inductance?!?

If it will resonate on 12m what does it with the antenna ...

Will a strong 12m signal blow the choke ?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 29. Mai 2014 21:19
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Cushcraft R7000 revamp
>
>
>
> All,
>
> I was given a Cushcraft R7000 Vertical antenna. This needed a lot of work
> done to it. Anyone interested can have a look at the progress here:
>
> http://gm0obx.blogspot.co.uk/p/cushcraft-r7000-revamp.html
>
>
>
>
> 73 de GMØOBX Billy
>
>

32571. RE: AW: [ham-antennas] Cushcraft R7000 revamp

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 14:45:30 UTC
From: Billy McFarland
Topic: 32565 Message: 32571

Sigi,

Not sure yet.... That's what amateurs do right? Fit parts and see if they blow up :/

This type of RFC was suggested by an EI station who conducted some tests (if I find the website ill link it here) where it seemed to work well.

I'm sure it comes up in google if you type cushcraft r7000 match box.

73 Billy
GM0OBX
SKCC# 12202

32572. RE: AW: [ham-antennas] Cushcraft R7000 revamp

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 14:45:30 UTC
From: Billy McFarland
Topic: 32565 Message: 32572

Sigi,

Not sure yet.... That's what amateurs do right? Fit parts and see if they blow up :/

This type of RFC was suggested by an EI station who conducted some tests (if I find the website ill link it here) where it seemed to work well.

I'm sure it comes up in google if you type cushcraft r7000 match box.

73 Billy
GM0OBX
SKCC# 12202

32573. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 15:18:12 UTC
From: mike@...
Topic: 32227 Message: 32573

Your info looks EXTREMELY interesting! However, I am unable to get a good impression of the extensive data that you have carefully presented. So, I am going to try to see if I can re-format some of the info as below...
-Mike- KØJTA

---In ham-antennas@yahoogroups.com, <rdj@...> wrote :

AJ, I also run a 80M size delta loop, tuned to the center of the 20M phone band. Fed with coax and a 4:1 current balun at the feed point. I use it on all bands 80 thru 6. It does need a AT on 17, 80 and 30 but good points on the other bands.

14.2 Loop

X Overall Length Ft 10M 12M 15M 17M 20M 40M 80M 1005/F MHz 70.770

2 141.540 4 3.5 3 2.5 2 1 0.5 70.770 3 212.3106 5.3 4.5 3.8 3 1.5 0.8 70.770
4 283.080 8X 7X 6X 5X 4X 2X 1X 70.770

5
===
Nope, I am going to give up, as I am still unable to get the information/chart assembled by just attempting to use a mono-spaced font, and removing the (CR) entries that I see. Ratz. It LOOKED so good!

By the way, I have had several loops; I really LIKE the loop for many reasons! I make mine of #14 THHN stranded, and have applied the "covered with plastic" conversion factor of 4%. The two loops that now have up are 248 feet long. If I have a chance, I will SHORTEN this by several feet, as they are both resonant at 3.5 to 3.6 Mhz.
===

353.850

10

8.8

7.5

6.4

5

2.5

1.3

70.770

6

424.620

12

10.6

9

7.6

6

3

1.6

70.770

7

495.390

14

12.3

10.5

8.9

7

3.5

1.8

70.770

8

566.160

16X

14X

12X

10X

8X

4X

2X

1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed

Rich, Kd0zz

[Non-text portions of this message have been removed]

32574. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 16:05:08 UTC
From: Richard Schmuke
Topic: 32227 Message: 32574

Sorry Mike about the view you got. The information is in Excel, I did a cut and paste to Word then used Word for the e-mail??? It did not work thru the system.

Anyhow here is a link to a picture of that page.

http://i1102.photobucket.com/albums/g453/KD0ZZ/Loop_zps75e5682a.jpg

The antenna is a 80M size, I am just starting on a 160 size, with a lower frequency balun but that is another story and cutting a lot of trees.
http://s1102.photobucket.com/user/KD0ZZ/library/160%20Loop

Please let me know if this is OK.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, May 30, 2014 10:18 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Fiberglass support mast/pole

Your info looks EXTREMELY interesting! However, I am unable to get a good impression of the extensive data that you have carefully presented. So, I am going to try to see if I can re-format some of the info as below...
-Mike- KØJTA

---In ham-antennas@yahoogroups.com, <rdj@...> wrote :

AJ, I also run a 80M size delta loop, tuned to the center of the 20M phone band. Fed with coax and a 4:1 current balun at the feed point. I use it on all bands 80 thru 6. It does need a AT on 17, 80 and 30 but good points on the other bands.

14.2 Loop

X Overall Length Ft 10M 12M 15M 17M 20M 40M 80M 1005/F MHz 70.770

2 141.540 4 3.5 3 2.5 2 1 0.5 70.770 3 212.3106 5.3 4.5 3.8 3 1.5 0.8 70.770
4 283.080 8X 7X 6X 5X 4X 2X 1X 70.770

5
===
Nope, I am going to give up, as I am still unable to get the information/chart assembled by just attempting to use a mono-spaced font, and removing the (CR) entries that I see. Ratz. It LOOKED so good!

By the way, I have had several loops; I really LIKE the loop for many reasons! I make mine of #14 THHN stranded, and have applied the "covered with plastic" conversion factor of 4%. The two loops that now have up are 248 feet long. If I have a chance, I will SHORTEN this by several feet, as they are both resonant at 3.5 to 3.6 Mhz.

```
===
353.850
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7
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```

70.770

8

566.160

16X

14X

12X

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2X

1X loop is a 100 Ohm antenna , a 2X loop and larger close to 200 Ohm

2X in length loop, or greater can be matched with 50 Ohm coax and a 4:1 Balun if

the overall length of the loop is a multiple of the length at that frequency

Even Multipliers will make it a resonate antenna, A 4X and 8X loop will match

the most bands when used with a 4:1 Balun

With the correct resonate length of the antenna no tuner adjustment is needed

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

32575. Re%3A%20Fiberglass%20support%20mast%2Fpole

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 17:24:44 UTC
From: Philip Welch
Topic: 32575 Message: 32575

I have the Jacklite and use it for an HF end-fed and a roll-up J pole. I think it might be too light for your use and would bend if your antenna has any weight.

I play with fiberglass and metal surplus tent poles. They might be of use for you but they would need to be attached to something or guyed. I bought some ceramic rings that have 4 drilled holes and put one at the top. I attach a ring to that and run a line through it so I can raise and lower antennas. Guy wires can be attached as well.

The poles are inexpensive but shipping is the killer. Check them out on Ebay and wait for a hamfest.

73

32576. Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 20:33:04 UTC
From: email4utoo@...
Topic: 32227 Message: 32576

Thanks for the JPGs ! will help a lot , i will have to build it to take about 800 watts , so when i have my amp done , it will handle it , how much power does that 14ga loop take, ? Is the Balun heavy enough as well ? Tnx, 73s, AJ

32577. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 21:54:15 UTC
From: Richard Schmuke
Topic: 32227 Message: 32577

14ga will handle anything you throw at it with 800W. The balun will depend on the size of the core you use. Check out a copy of Jerry Sevick, W2FMI book for more different types of baluns and power ratings. I use a duel rod Guanella 4:1 in a weather proof box at the feed point. My photo album also shows a switchable 4:1 or 1:1 rod type balun I use with a ladderline for a 160/80 fan antenna.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, May 30, 2014 3:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Fiberglass support mast/pole

Thanks for the JPGs ! will help a lot , i will have to build it to take about 800 watts , so when i have my amp done , it will handle it , how much power does that 14ga loop take, ? Is the Balun heavy enough as well ? Tnx, 73s, AJ

[Non-text portions of this message have been removed]

32578. Re: AW: [ham-antennas] Cushcraft R7000 revamp

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 21:54:46 UTC
From: Billy McFarland
Topic: 32565 Message: 32578

Sigi,

here is teh web page that Darren did using the same choke to ground for dc.

http://www.mrs.bt.co.uk/mrs/r5/

seems to work fine.

73 de GMØOBX Billy

From: "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, 30 May 2014, 11:27
Subject: AW: [ham-antennas] Cushcraft R7000 revamp

Hello billy

Nice rework of the tuning box

....

Self resonance of your choke is (from manufacturer) 25 megs

Hmmmm it is a vhf choke so maybe a bit low on inductance?!?

If it will resonate on 12m what does it with the antenna ...

Will a strong 12m signal blow the choke ?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 29. Mai 2014 21:19
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Cushcraft R7000 revamp
>
>
>
> All,
>
> I was given a Cushcraft R7000 Vertical antenna. This needed a lot of work
> done to it. Anyone interested can have a look at the progress here:
>
> http://gm0obx.blogspot.co.uk/p/cushcraft-r7000-revamp.html

>
>
>
>
> 73 de GMØOBX Billy
>
>

32579. Re: [ham-antennas] Best mobile earth ever.

Yahoo group: ham-antennas (2014)
Date: 2014-05-30 22:43:25 UTC
From: Billy McFarland
Topic: 32536 Message: 32579

Some nice photos of the finished mount:

http://gm0obx.blogspot.co.uk/p/blog-page_30.html

I worked a nice station today HA7NB/QRP on 3w so the antenna mount / antenna works well picking the station out of the noise so happy with the overall performance.

73 de GMØOBX Billy

From: "Don Sanders w4bws1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, 29 May 2014, 22:50
Subject: Re: [ham-antennas] Best mobile earth ever.

normal night time 40 meter noise is S6-7. Some nights it is S9+ until a good rain.
Hard to hear qrp and poor antenna stations
The GAP DSP unit helps a lot.
Don W4BWS

On Thu, May 29, 2014 at 4:32 PM, Billy McFarland gm0obx@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>Just on the I phone joe ;)
>
>73 Billy
>GM0OBX
>SKCC# 12202
>
>
>
>---
> From: Joe w7rkn.7@...m [ham-antennas] <ham-antennas@yahoogroups.com>;
>To: <ham-antennas@yahoogroups.com>;
>
>Subject: Re: [ham-antennas] Best mobile earth ever.
>Sent: Thu, May 29, 2014 9:27:11 PM
>
>
>
>
>Heh,...I see you aren’t using an html reader...I had a chuckle face
emoticon at the end of my post...it obviously didn’t come through...
>
>I **was** being a bit ‘tongue in cheek’ with my response.....
>

>Joe - W7RKN
>
>From: mailto:ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Best mobile earth
ever.
>
>
>
>
>
>Joe,
>
>
>
>the
coax will be plugged into the radio this is just into the rigexpert AA54 at the
moment and its not for driving about in, but for staionary use.
>
>
>

--
Dr. Don W4BWS

32580. RF everywhere

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 01:20:26 UTC
From: Alex Netherton
Topic: 32580 Message: 32580

OK folks. I went and retrofitted my 20 meter dipole into a center fed balanced wire antenna. I have been using a MFJ-1777, a 102 foot center fed for about a year, and in that year, have amassed 65 countries (not all confirmed). That is just in 1 year - I have been licensed since 1979, and probably have a few more countries that I have no record of, but 65 is not bad, as I get bored, and do not operate for more than a couple of hours a day, and a couple or three days a week.

Anyway, the retrofit of my dipole is a dismal failure. I tried to use it today, and there is RF everywhere, especially when using my SB-200. The shack is grounded, both to ground, and to the house ground. I was trying to get Croatia on 20 (9A9A), and was having fits with my rig (FT-950) and RF feedback. I finally got disgusted and went back to the MFJ antenna (which is a similar construction, only longer) and got him first try. With the 20 meter antenna, I actually got a RF burn from my mic! On the longer antenna, no RF, no burns, no problem. Antenna works from 80 thru 10, and if using the LDG AT-100ProII tuner (without amp), it will tune 6!

I am using a Heathkit SA-2040 tuner, and run either the rig barefoot, or with a SB-200 (yeah, I know, but I like old stuff, and it works - if I am careful, even on 12 and 17!).

I am stumped. I have used a similar antenna, cut for 40 meters, in the past, with not too much problems, though I was using tube radios then.

All equipment grounded to a ground bar, grounded to earth and house ground. Help!

73 de KC4BO
Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

32581. Re: [ham-antennas] RF everywhere

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 01:46:37 UTC
From: Artek Manuals
Topic: 32580 Message: 32581

Alex

Earth (AC Power and DC) ground is not always synonymous or the the same thing as RF ground. If it was shunt fed towers would never work as verticals

Tell us about your grounding system(Number of ground rods, depth , spacing, general soil type, etc), also when it comes to RF ground the length of the wire from the shack grounding point to the ground rods can be a significant factor .. a 16.5 foot long ground wire (typical 2nd story shack) is essentially a RF open circuit on 20 meters as an example.

Next the feed line length on the new antenna can be such that you have a voltage maximum at the shack, you could try changing the feed line length adding 16.5 feet to the feed line and see if things don't improve on 20M (might get worse on 40M though etc)

Things to ponder
Dave
NR1DX

On 5/30/2014 8:20 PM, Alex Netherton anetherton@...
[ham-antennas] wrote:
> OK folks. I went and retrofitted my 20 meter dipole into a center fed
> balanced wire antenna. I have been using a MFJ-1777, a 102 foot center
> fed for about a year, and in that year, have amassed 65 countries (not
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> 1979, and probably have a few more countries that I have no record of,
> but 65 is not bad, as I get bored, and do not operate for more than a
> couple of hours a day, and a couple or three days a week.
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> Anyway, the retrofit of my dipole is a dismal failure. I tried to use
> it today, and there is RF everywhere, especially when using my SB-200.
> The shack is grounded, both to ground, and to the house ground. I was
> trying to get Croatia on 20 (9A9A), and was having fits with my rig
> (FT-950) and RF feedback. I finally got disgusted and went back to the
> MFJ antenna (which is a similar construction, only longer) and got him
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> mic! On the longer antenna, no RF, no burns, no problem. Antenna works
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> it will tune 6!
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> if I am careful, even on 12 and 17!).
>
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> past, with not too much problems, though I was using tube radios then.
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> All equipment grounded to a ground bar, grounded to earth and house
> ground. Help!
>
> 73 de KC4BO
> Alex Netherton
> http://blueridgediscovery.org
> Amateur Radio call KC4BO (1979)
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32582. Re: [ham-antennas] RF everywhere

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 02:48:23 UTC
From: doug.pfaff@...
Topic: 32580 Message: 32582

Does your tuner have a balanced output or just coax connector.

Refer to ARRL antenna book 16h edition section7-20 it looks like you need to add a balun at the feed point whether its a coax or balanced feed line ratio 1:4 or higher. Due to you having changed the impedance balance see page 7-21 balun requirement

Have you re-profiled the antenna using a rx noise bridge or antenna analyzer.

I got rf on the mic when I had really bad mismatch between the antenna and a coax feedline when I left out the coax matching section between a loop antenna and coax feedline.

Doug VE5DCP

Sent from Windows Mail

From: Alex Netherton anetherton@gmail.com [ham-antennas]
Sent: □Friday□, □May□ □30□, □2014 □7□:□20□ □PM
To: ham-antennas@yahoogroups.com, HamRadioHelpGroup@yahoogroups.com

OK folks. I went and retrofitted my 20 meter dipole into a center fed balanced wire antenna. I have been using a MFJ-1777, a 102 foot center fed for about a year, and in that year, have amassed 65 countries (not all confirmed). That is just in 1 year - I have been licensed since 1979, and probably have a few more countries that I have no record of, but 65 is not bad, as I get bored, and do not operate for more than a couple of hours a day, and a couple or three days a week.

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I am stumped. I have used a similar antenna, cut for 40 meters, in the past, with not too much problems, though I was using tube radios then.

All equipment grounded to a ground bar, grounded to earth and house ground. Help!

73 de KC4BO

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

32583. Re: [ham-antennas] RF everywhere

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 07:51:47 UTC
From: Billy McFarland
Topic: 32580 Message: 32583

This antenna sounds a bit like a g5rv and the best thing you can do with that is use it as washing line ;)

I assume you have the twin feed straight to the tuner? My friend had a very similar problem. What we did to try and resolve it was fit the 4:1 balun at the base of the twin feed and have 50 ohm coax to the shack. The tuner had an easier time if tuning. As previously did the length of feeder and wire is an important thing as it could be voltage maximum or current maximum at the shack end . Also please consider burying your feed line under ground which also helps (not so much on twin feed tho)

Good luck

73 Billy
GM0OBX
SKCC# 12202

32584. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 16:28:11 UTC
From: mike@...
Topic: 32227 Message: 32584

Rich;

Thank you (!!!) for the time and effort for your work! I have seen the info just fine. -Now, I will have to spend some time to see if I can more fully understand, but this is my issue, not yours, of course!!

In the not too recent past, I have made many loops; -Then, I began to covet the LARGER loops, as the folks that I chatted with on HF were all in agreement of my long past "opinion" that the antenna is best if it is BIGGER AND BETTER. I have a large open field just to the north of the house, so I put up a 2000-plus foot loop, and while it worked, it was very hard to imagine that it would stay up over a Minnesota winter!

I then was beginning to look at 4NEZ2, an antenna modeling app. I was given a very good introduction, and began to consider the antenna structure itself. I decided on a five-sided 1000-plus foot loop at about 38 feet, all well in the clear. (100 feet from any trees, etc.) The modeling app made this antenna look very good, so I built it!

The results were far from what was expected! I tried many methods of feeding, adding counterpoise elements spacing of these two elements, antenna (radiator) height and so on and so on and so on. (This was an eighteen month quest, and I was just not going to give up!

The same fellow that gave me the personalized instruction on how to run the antenna modeling app came over again. This time he (again!) pointed out that the GAIN that I was fixated on was indeed correct. -However, the gain LOBES were not going where one would NEED the RF to go!!! (In the case of 75 meters, there was a HOLE; The shape of the pattern was like a doughnut, in fact!)

So, the magnificent five-side loop came down, and I made up a four-side 75 meter loop, after careful consideration of the 4NEC2 app, this time!!!!

Bottom line: The 248 foot loop worked so very well that I made up a second one. (Same good results.) By the way: 248 feet is too short, one might think? By the 1005/F, yes it is. But the wire that I am using is PVC-coated #14 THHN. As a result, one must add a 4% velocity factor. -This is how I arrived at 248 feet. In reality, it is still too long for ME, as I operate on 3.9 Mhz, as an example. The 248 foot loops are both resonant at about 3.5 to 3.6 Mhz.

Yes, this is a long and rambling reply to your question of my now being able to view the information that you had presented. It is simply my hope that you might find something in my past time-wasters of mega-loops.

Thank you again, Rich!!!

73; -Mike- K0JTA

---In ham-antennas@yahoogroups.com, <rdj@...> wrote :

Sorry Mike about the view you got. The information is in Excel, I did a cut and paste to Word then used Word for the e-mail??? It did not work thru the system.

Anyhow here is a link to a picture of that page.
http://i1102.photobucket.com/albums/g453/KD0ZZ/Loop_zps75e5682a.jpg
http://i1102.photobucket.com/albums/g453/KD0ZZ/Loop_zps75e5682a.jpg

The antenna is a 80M size, I am just starting on a 160 size, with a lower frequency balun but that is another story and cutting a lot of trees.
http://s1102.photobucket.com/user/KD0ZZ/library/160%20Loop
http://s1102.photobucket.com/user/KD0ZZ/library/160%20Loop

Please let me know if this is OK.

Rich, Kd0zz

32585. 5 Baofeng antennas

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 19:10:44 UTC
From: dazzmos@...
Topic: 32585 Message: 32585

http://youtu.be/V11l50GNb7c http://youtu.be/V11l50GNb7c

32586. RE: [ham-antennas] Re: Fiberglass support mast/pole

Yahoo group: ham-antennas (2014)
Date: 2014-05-31 19:31:05 UTC
From: Richard Schmuke
Topic: 32227 Message: 32586

Subject: RE: [ham-antennas] Re: Fiberglass support mast/pole

Rich;

Thank you (!!!) for the time and effort for your work! I have seen the info just fine.
-Now, I will have to spend some time to see if I can more fully understand, but this is my issue, not yours, of course!!

Mike, a little more info for you. I got my start on a delta loop from work done by M0MCX and the M0XXT contest team. They did all the computer work on a 80M delta loop then on to a 160. I just followed their lead.

http://m0xxt.co.uk/index.php?option=com_content
<http://m0xxt.co.uk/index.php?option=com_content&view=article&id=68&Itemid=68>
&view=article&id=68&Itemid=68

Do a Google on mega loop antenna and/or M0MCX ANTENNA.

Rich, Kd0zz

32587. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-06-01 17:53:43 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 32587

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

32588. ATAS-120 as fixed antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-01 23:54:38 UTC
From: steve.lenaghan@...
Topic: 32588 Message: 32588

I am going to be in Virginia over the fall and winter and taking my FT897D. I don't have room for anything fancy and wondering if the Yaesu antenna with radial kit will work. I looked at several no radial verticals but they have a lot of parts and I really don't want to build and un-build any of them. The Comet CHA-250 is an pricey option, for which I have not heard great things and when I get home I don't need an HF vertical.

The ATAS will be used for the mobile eventually. Ideas??

Steve VE6VS

32590. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 06:28:10 UTC
From: n7kga@...
Topic: 32395 Message: 32590

Good morning, Rick;

Bill has already suggested the Hustler-Newtronics 5BTV or 6BTV vertical antenna. I wish to supplement his recommendation.

I also play on some of the other channels on 60 Meters besides the 5 that are allocated to Ham Radio use.

The 60 Meter Add On Kit available from DX-Engineering for the 5BTV and 6BTV does make them perform quite nicely on 60 Meters on the back of the motor home RV, but I will admit that it is mounted and used only when it is parked -- the 6BTV is about 28 feet long and the bottom mount is on a trailer hitch drawbar that goes into the 2 inch square tube receiver on the back of the motor home which is about two feet above the ground. Also, my main application with the vertical antenna is longer distance communications. Sometimes I need to talk to San Francisco or San Diego from here in the Pacific Northwest.

For NVIS use there are some different dipole type antennas that go onto a balun attached to another coaxial cable on the back roof area, and that is what I use for shorter range NVIS communications. Usually they will tell me what channels they will be using to talk to me. And there are the auto antenna tuners if something comes up and we need to move anyway. So far I have met the specifications in functional communications quality.

And the motor home with all of its appointments and accommodations has really made an effective independent mobile communications station. I can be on station for several days before I need to be resupplied. The radio equipment can go much longer than I can without being resupplied.

Enjoy, and 73;

Ralph, N7KGA
Latte Land, Washington

32591. Re: [ham-antennas] ATAS-120 as fixed antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 12:25:48 UTC
From: Frank Kirschner
Topic: 32588 Message: 32591

Steve,

I had an ATAS-120 on my car and was disappointed in the performance. It worked OK on 40, but very poorly on the other bands. If you don't already have it, I suggest you consider a screwdriver vertical instead. I used one in fixed mode with about 20 radials with very good success. Worked 32 states on 160, many countries on all the bands. The one I have (KJ7U - Larry's Antennas) will handle a KW. I now have it on my car, and it works FB with the TS-480HX. It requires running the additional DC power cable, but the improved performance is worth it. I suggest one of the models that will do autotune.

73,
Frank
KF6E

On Sun, Jun 1, 2014 at 7:54 PM, steve.lenaghan@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am going to be in Virginia over the fall and winter and taking my
> FT897D. I don't have room for anything fancy and wondering if the Yaesu
> antenna with radial kit will work. I looked at several no radial verticals
> but they have a lot of parts and I really don't want to build and
> un-build any of them. The Comet CHA-250 is an pricey option, for which I
> have not heard great things and when I get home I don't need an HF vertical.
>
>
> The ATAS will be used for the mobile eventually. Ideas??
>
>
> Steve VE6VS
>
> _
>

32592. ATAS-120 as fixed antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 14:10:59 UTC
From: W1JCW
Topic: 32588 Message: 32592

Had the original ATAS-100 with the FT100 and it worked okay as you stated but in Texas we have no real extremes of ice, salt and sand.

It would tune fine, then switch to a new band it would lose its mind and want to extend and retract!!

Don't waste your money, buy a real mobile antenna like a Hi Q. I could not believe what I was working when I switched.

73-

W1JCW

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 02, 2014 7:26 AM
To: ham-antennas@...m
Subject: Re: [ham-antennas] ATAS-120 as fixed antenna

Steve,

I had an ATAS-120 on my car and was disappointed in the performance. It worked OK on 40, but very poorly on the other bands. If you don't already have it, I suggest you consider a screwdriver vertical instead. I used one in fixed mode with about 20 radials with very good success. Worked 32 states on 160, many countries on all the bands. The one I have (KJ7U - Larry's Antennas) will handle a KW. I now have it on my car, and it works FB with the TS-480HX. It requires running the additional DC power cable, but the improved performance is worth it. I suggest one of the models that will do autotune.

73,

Frank

KF6E

32593. 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 19:42:58 UTC
From: Kenneth G. Gordon
Topic: 32593 Message: 32593

Can anyone recommend any antennas available which are suitable for transceivers that output both 2 meters and 70cm?

I am thinking of two different ones; 1) one suitable for a mobile, preferably with a magnetic mount, and 2) one suitable for mounting on a roof at home.

Your input wil be very gratefully received.

Thanks, and vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

32594. Re: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 20:03:49 UTC
From: Mel Farrer
Topic: 32593 Message: 32594

I prefer Comet base antenna 146 and 440 MHz rated at 200 watts $75. I have used a 1/4 wave mag mount on both bands. Tune 2 meters high end and the match on 440 is not bad. Of course you can by a dual band mag mount.

Mel, K6KBE

On Monday, June 2, 2014 12:43 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Can anyone recommend any antennas available which are suitable for transceivers that output both 2 meters and 70cm?

I am thinking of two different ones; 1) one suitable for a mobile, preferably with a magnetic mount, and 2) one suitable for mounting on a roof at home.

Your input wil be very gratefully received.

Thanks, and vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

32595. RE: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 20:29:05 UTC
From: Ray, W4BYG
Topic: 32593 Message: 32595

Be careful in trying to use a 2 meter 1/4 wave antenna on 3/4 meters. While it can be trimmed to take power on both bands and give a reasonable SWR, but on 3/4 meters most of your radiation will be at high vertical angles and not toward the horizon where you would like it.

You can check many antenna handbook patterns for a 1/4 wavelength vertical operated at 3 times the fundamental resonant frequency and see the results, it makes a fair cloud burner, but not good on the horizon.
73,

Ray, W4BYG

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 02, 2014 4:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 2M/70cm antennas

I prefer Comet base antenna 146 and 440 MHz rated at 200 watts $75. I have used a 1/4 wave mag mount on both bands. Tune 2 meters high end and the match on 440 is not bad. Of course you can by a dual band mag mount.

Mel, K6KBE

On Monday, June 2, 2014 12:43 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Can anyone recommend any antennas available which are suitable for transceivers that output both 2 meters and 70cm?

I am thinking of two different ones; 1) one suitable for a mobile, preferably
with a magnetic mount, and 2) one suitable for mounting on a roof at home.

Your input wil be very gratefully received.

Thanks, and vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

32596. Re: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 21:11:03 UTC
From: Timothy-Allen Albertson
Topic: 32593 Message: 32596

i used a 2 meter coper yube J-Pole with about 40' of mismatched (mainly old CATVV 72 ohm)f
feedline--i was able to get into a 70cm machine abt 40 miles on 300mw

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Jun 2, 2014 at 3:29 PM, 'Ray, W4BYG' w4byg@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Be careful in trying to use a 2 meter 1/4 wave antenna on 3/4 meters.
> While it can be trimmed to take power on both bands and give a reasonable
> SWR, but on 3/4 meters most of your radiation will be at high vertical
> angles and not toward the horizon where you would like it.
>
> You can check many antenna handbook patterns for a 1/4 wavelength vertical
> operated at 3 times the fundamental resonant frequency and see the
> results, it makes a fair cloud burner, but not good on the horizon.
> 73,
>
> Ray, W4BYG
>
>
> ----------
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]
>
> *Sent:* Monday, June 02, 2014 4:04 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] 2M/70cm antennas
>
>
>
>
> I prefer Comet base antenna 146 and 440 MHz rated at 200 watts $75. I
> have used a 1/4 wave mag mount on both bands. Tune 2 meters high end and
> the match on 440 is not bad. Of course you can by a dual band mag mount.
>
> Mel, K6KBE
>
>
> On Monday, June 2, 2014 12:43 PM, "'Kenneth G. Gordon'
> kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> wrote:
>

>
>
> Can anyone recommend any antennas available which are suitable for
> transceivers that output both 2 meters and 70cm?
>
> I am thinking of two different ones; 1) one suitable for a mobile,
> preferably
> with a magnetic mount, and 2) one suitable for mounting on a roof at home.
>
> Your input wil be very gratefully received.
>
> Thanks, and vy 73,
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>
>

32597. Re: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 21:22:53 UTC
From: KA4INM radio
Topic: 32593 Message: 32597

'Kenneth G. W7EKB Gordon' kgordon2006@... wrote:

> Can anyone recommend any antennas available which are suitable for
> transceivers that output both 2 meters and 70cm?

> I am thinking of two different ones; 1) one suitable for a mobile, preferably
> with a magnetic mount, and 2) one suitable for mounting on a roof at home.

> Your input will be very gratefully received.

First for home:
http://www.new-tronics.com/main/html/base_model_g6-270r.html es
http://www.universal-radio.com/catalog/hamants/2918.html Everyone that
uses this would never want to go back to what they had. ("N" connector)

Second mobile: All HAMfest with commercial vendors have an array of
mobile antennas using an assortment of mounts and they have an
assortments of mobile antenna mounts of all kind.
The same is available on the internet.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32598. Re: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-02 21:46:28 UTC
From: Mel Farrer
Topic: 32593 Message: 32598

Hello Ray,

While I agree with you on the general issue of 3/4 wave operation, at near horizon on my quick shot on EZNEC it comes out at 9 degrees only ~5 db down. As a side note, most repeaters are not on the horizon anyway? When you are looking at a mag mount antenna, it ain't a pretty pattern anyway! It follows an old KISS rule. Low $$, quick install, works. Now if the mag mount was not the criteria, I would go with a gain dual band $$ antenna.

The BR-6070 Dual
Band Base Station Antenna is the perfect choice for those seeking
omnidirectional, high-gain performance at a low price point. This antenna is 63" tall is pretuned and includes a mounting bracket
(for masts less than 2").

Gain is 4.5 dBd on 144 MHz
Gain is 7.2 dBD on 440 MHz

This is the one I use travel trailer, portable, and base. I swept tested it and the match is <1.2:1 on both bands. No connection to either the manufacture or any dealer, just the facts.

Mel, K6KBE

On Monday, June 2, 2014 1:29 PM, "'Ray, W4BYG' w4byg@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

Be careful in trying to use a 2 meter 1/4 wave antenna on 3/4
meters. While it can be trimmed to take power on both bands and give
a reasonable SWR, but on 3/4 meters most of your radiation will be at high
vertical angles and not toward the horizon where you would like
it.

You can check many antenna handbook patterns for a 1/4
wavelength vertical operated at 3 times the fundamental resonant frequency and
see the results, it makes a fair cloud burner, but not good on the
horizon.
73,
Ray, W4BYG

_____
From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 02, 2014
4:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re:

[ham-antennas] 2M/70cm antennas

I prefer Comet base antenna 146 and 440 MHz rated at 200 watts
$75. I have used a 1/4 wave mag mount on both bands. Tune 2 meters
high end and the match on 440 is not bad. Of course you can by a dual band
mag mount.

Mel,
K6KBE

On Monday, June 2, 2014 12:43 PM, "'Kenneth
G. Gordon' kgordon2006@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

Can anyone recommend any antennas available which are suitable for
transceivers that output both 2 meters and 70cm?

I am thinking of two different ones; 1) one suitable for a mobile,
preferably
with a magnetic mount, and 2) one suitable for
mounting on a roof at home.

Your input wil be very
gratefully received.

Thanks, and vy 73,

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John
Wayne

32599. Re: [ham-antennas] ATAS-120 as fixed antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-03 01:28:26 UTC
From: Goldtr8 (KD8NNU)
Topic: 32588 Message: 32599

Also consider the Scoprion antenna line, I have two of the and really love how they work and and how well they are built.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, June 02, 2014 10:10 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] ATAS-120 as fixed antenna

Had the original ATAS-100 with the FT100 and it worked okay as you stated but in Texas we have no real extremes of ice, salt and sand.

It would tune fine, then switch to a new band it would lose its mind and want to extend and retract!!

Don't waste your money, buy a real mobile antenna like a Hi Q. I could not believe what I was working when I switched.

73-

W1JCW

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 02, 2014 7:26 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] ATAS-120 as fixed antenna

Steve,

I had an ATAS-120 on my car and was disappointed in the performance. It worked OK on 40, but very poorly on the other bands. If you don't already have it, I suggest you consider a screwdriver vertical instead. I used one in fixed mode with about 20 radials with very good success. Worked 32 states on 160, many countries on all the bands. The one I have (KJ7U - Larry's Antennas) will handle a KW. I now have it on my car, and it works FB with the TS-480HX. It requires running the additional DC power cable, but the improved performance is worth it. I suggest one of the models that will do autotune.

73,

Frank

KF6E

32600. Re: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-03 13:03:08 UTC
From: daverickmers@...
Topic: 32593 Message: 32600

I use an Arrow dual band J-pole at home and a mag mount Diamond (5/8w at 70cm; 1/4w at 2m) on the car roof. 73 de dave/kd6il

32601. For Sale U-Bolts

Yahoo group: ham-antennas (2014)
Date: 2014-06-03 21:51:16 UTC
From: Zeljko Repic
Topic: 32601 Message: 32601

For sale U Bolts with saddle (Yellow Zinc plated)

Pipe size Price
0.75".....$1.00 (1/4)

1,00".....$1.00 (1/4)

1.25".....$1.20 (5/16)

1.50".....$1.25 (5/16)

2.00".....$1.30 (5/16)

2.50".....$1.50 (5/16)

3.00".....$2.00 (5/16)
Plus Shipping
This is light duty professional grade series. This series provides high strength steel 5/16” and 1/4 for 0.75" &1.00" U-bolt with a patented ribbed and notched 13 gauge double edge saddle and hex nuts. This unique clamp offers a lightweight alternative with outstanding strength and seal-ability.
All product is made in USA.

info at: e78ww@...

32602. AW: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-03 22:55:56 UTC
From: siegfried jackstien
Topic: 32593 Message: 32602

On the car a mag mount antenna that is called "earthless" ... would mean about roughly 1m long with a coil in centre

Endfed halfwave on 2m and 2x 5/8 wave on 70 cm

Works superb even if the cuplibg to the roof is not good (all quarterwave whips needs some capacitve coupling to the roof and not all mag mounts are good on that)

... for station use one of the stacked dualband antennas ... be it comet, diamond or huster or whatever

But ... ALL KANUFACTURERS build their antenna the same way ... with "crimped" connections inside between all the parts ...

And most are wiggling even when brand new

So buy one of them and solder ALL connections (maybe adding a small jumper wire across the joint) ...

I did not find any manufacturer with reliable construction in the connections (and I searched a lot for that)

... only way is .. buy a cheap one an solder ... (or buy an expensive model and see that there is the same trouble inside)

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 2. Juni 2014 19:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 2M/70cm antennas
>
>
>
> Can anyone recommend any antennas available which are suitable for
> transceivers that output both 2 meters and 70cm?
>
> I am thinking of two different ones; 1) one suitable for a mobile,
> preferably
> with a magnetic mount, and 2) one suitable for mounting on a roof at home.
>
> Your input wil be very gratefully received.

>
> Thanks, and vy 73,
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>

32603. Re: AW: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-03 23:50:03 UTC
From: Geoff NW7GM
Topic: 32593 Message: 32603

I have a Comet GP-15 (a triband) that is a single piece (no center joint) so no internal connectors to solder (or even to get at).

It works well on 2m & 70cm. It's tuning on 6m is for the upper FM end, which was disappointing to me as I would prefer to tune it down to the SSB end.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 3, 2014 3:58 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> On the car a mag mount antenna that is called "earthless" ... would mean
> about roughly 1m long with a coil in centre
>
> Endfed halfwave on 2m and 2x 5/8 wave on 70 cm
>
> Works superb even if the cuplibg to the roof is not good (all quarterwave
> whips needs some capacitve coupling to the roof and not all mag mounts are
> good on that)
>
> ... for station use one of the stacked dualband antennas ... be it comet,
> diamond or huster or whatever
>
> But ... ALL KANUFACTURERS build their antenna the same way ... with
> "crimped" connections inside between all the parts ...
>
> And most are wiggling even when brand new
>
> So buy one of them and solder ALL connections (maybe adding a small jumper
> wire across the joint) ...
>
> I did not find any manufacturer with reliable construction in the
> connections (and I searched a lot for that)
>
> ... only way is .. buy a cheap one an solder ... (or buy an expensive model
> and see that there is the same trouble inside)
>
> Greetz
>
> Sigi
>

> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Montag, 2. Juni 2014 19:43
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] 2M/70cm antennas
> >
> >
> >
> > Can anyone recommend any antennas available which are suitable for
> > transceivers that output both 2 meters and 70cm?
> >
> > I am thinking of two different ones; 1) one suitable for a mobile,
> > preferably
> > with a magnetic mount, and 2) one suitable for mounting on a roof at
> home.
> >
> > Your input wil be very gratefully received.
> >
> > Thanks, and vy 73,
> >
> > Kenneth G. Gordon W7EKB
> >
> > "Courage is being scared to death but saddling up anyway."--- John Wayne
> >
> >
> >
> >
>
>
>

32604. new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 00:03:05 UTC
From: k2vi@...
Topic: 32604 Message: 32604

Hello to all. Hope everyone is doing well. I will be errecting a 8' roof tower on my 25' peak. My question is will schedule 80 aluminum pipe 1.9"OD hold up my small hy-gain 203 ba 20 meter mono band 3 element yagi. I want to raise it 6 feet from the thrust bearing ...Also the antenna will be near trees to block any winds from the west and south. Any input would be helpful. thanks.

tony k2vi

32605. Re: [ham-antennas] new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 00:14:25 UTC
From: Brian Carling
Topic: 32604 Message: 32605

Will you use guys?

Best regards - Bry Carling

> On Jun 3, 2014, at 8:03 PM, "k2vi@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hello to all. Hope everyone is doing well. I will be errecting a 8' roof tower on my 25' peak. My question is will schedule 80 aluminum pipe 1.9"OD hold up my small hy-gain 203 ba 20 meter mono band 3 element yagi. I want to raise it 6 feet from the thrust bearing ...Also the antenna will be near trees to block any winds from the west and south. Any input would be helpful. thanks.
>
> tony k2vi
>
>

32606. Re: [ham-antennas] new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 00:18:35 UTC
From: Mel Farrer
Topic: 32604 Message: 32606

Hi tony, simple answer with a question, what is the tower with a 6 foot extension rated for in SQ FT of antenna load. And what is the SQ FT of the antenna. Given a safety margin of 70 MPH. If the tower is rated for that load you are in. If not, rethink the installation..... Cheers,

Mel, K6KBE

On Tuesday, June 3, 2014 5:03 PM, "k2vi@cox.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hello to all. Hope everyone is doing well. I will be errecting a 8' roof tower on my 25' peak. My question is will schedule 80 aluminum pipe 1.9"OD hold up my small hy-gain 203 ba 20 meter mono band 3 element yagi. I want to raise it 6 feet from the thrust bearing ...Also the antenna will be near trees to block any winds from the west and south. Any input would be helpful. thanks.

tony k2vi

32607. insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 03:16:16 UTC
From: dalecole3502@...
Topic: 32607 Message: 32607

Has anyone had experience with the current (not the old Marsh) equipment insurance? Good, Bad other wise?
Ease of claims.....effectiveness..... cost vs value

Any comments appreciated. (If you have had "zinger" type of comments, please contact me off board
dalecole3502@...

Dale K8TS

32608. AW: AW: [ham-antennas] 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 09:02:53 UTC
From: siegfried jackstien
Topic: 32593 Message: 32608

>
> I have a Comet GP-15 (a triband) that is a single piece (no center joint)
> so no internal connectors to solder (or even to get at).
>

Also that antenna has internal joints ... I do not mean that one screw connection that you can find on the x200 x300 (and its clones) ... I mean ALL the internal connected parts in the antenna

It is made internal from several parts (radiator part, stacking coil , another radioator part ... etc.)

ALL manufacturers build their antennas that way (also your comet tribander is made that way!!!)

You have to pull out all the pats from below ... where the coax connector is

I do not know your comet gp antenna but maybe it is build the same way like all other manufacturers make their antennas ... with a set-screw at the base the coax connector is secured ... loosen that and you can pull all parts out

I looked in a dozen different antenna models and ALL have the same fault

When new all is fine ... but after just a few years the joints are corroded

So ... check also your comet

And while you have it out ... maybe you can tune it a bit lower for 6m

Greetz

Sigi

Dg9bfc

32609. RE: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 10:33:34 UTC
From: KB3YRC
Topic: 32607 Message: 32609

You bring up a good question, Do I have to tell my insurance carrier I have a 30 ft. tower at my house?

Do I need a special rider on the polices? Do I need lighting damage?

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, June 04, 2014 12:16 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] insurance

Has anyone had experience with the current (not the old Marsh) equipment insurance? Good, Bad other wise?

Ease of claims.....effectiveness..... cost vs value

Any comments appreciated. (If you have had "zinger" type of comments, please contact me off board

dalecole3502@comcast.net

Dale K8TS

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7617 - Release Date: 06/03/14

32610. Re: new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 11:49:41 UTC
From: tony costa
Topic: 32604 Message: 32610

no guys. the tower is a glen martin design however stronger. Instead of using 0.125 x 2" angle It will be 0.187 x 2" so a little stronger. Wind load is more than capable to handle my 203ba monoband antenna. I am concerned with the mast. 1.9" OD schedule 80 aluminum.

tony k2vi

32611. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 11:58:23 UTC
From: Artek Manuals
Topic: 32607 Message: 32611

Before you ask the question you need to read your homeowners policy in excruciating detail.

The coverage will likely vary by insurance carrier and geographic location (frequency of lightning hits such as in Florida or on top of a mountain) may also be factor.

I did have a buddy with a 100' tower next to the house. After the 3rd direct lightning hit (blew holes in the bedroom walls) I know his carrier refused to cover him for lightning damage anymore as long as the tower was still standing in his yard, his XYL left him and took the kids as well citing "reckless endangerment"

Dave
NR1DX

On 6/4/2014 5:33 AM, 'KB3YRC' kb3yrc@... [ham-antennas] wrote:
>
> You bring up a good question,? Do I have to tell my insurance carrier
> I have a 30 ft. tower at my house?
>
> Do I need a special rider on the polices?? Do I need lighting damage?
>
> Richard
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Wednesday, June 04, 2014 12:16 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] insurance
>
> Has anyone had experience with the current (not the old Marsh)
> equipment insurance? Good, Bad other wise?
>
> Ease of claims.....effectiveness..... cost vs value
>
> Any comments appreciated. (If you have had "zinger" type of comments,
> please contact me off board
>
> dalecole3502@... <mailto:dalecole3502@...>
>
> Dale K8TS
>
> ---
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>

> Version: 2014.0.4592 / Virus Database: 3955/7617 - Release Date: 06/03/14
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32612. Re: [ham-antennas] Re: new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 13:26:03 UTC
From: Keith Heimbold
Topic: 32604 Message: 32612

Do you know the PSI of the aluminum? The ARRL book has an Analysis of Antenna Mast Strength excel model that you can use to determine how much wind speed your mast can handle. I used this model for my antenna install.

Good luck!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 4, 2014, at 4:49 AM, "'tony costa' k2vi@cox.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> no guys. the tower is a glen martin design however stronger. Instead of using 0.125 x 2" angle It will be 0.187 x 2" so a little stronger. Wind load is more than capable to handle my 203ba monoband antenna. I am concerned with the mast. 1.9" OD schedule 80 aluminum.
>
> tony k2vi
>

32613. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 13:46:39 UTC
From: Keith Heimbold
Topic: 32607 Message: 32613

Sounds like a country song in the making.

I would definitely check your homeowners policy. And also make sure your wife is cool with you putting it up in the first place. Check environmental conditions at your location and engineer it properly.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 4, 2014, at 4:58 AM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Before you ask the question you need to read your homeowners policy in excruciating detail.
>
> The coverage will likely vary by insurance carrier and geographic location (frequency of lightning hits such as in Florida or on top of a mountain) may also be factor.
>
> I did have a buddy with a 100' tower next to the house. After the 3rd direct lightning hit (blew holes in the bedroom walls) I know his carrier refused to cover him for lightning damage anymore as long as the tower was still standing in his yard, his XYL left him and took the kids as well citing "reckless endangerment"
>
> Dave
> NR1DX
>
>> On 6/4/2014 5:33 AM, 'KB3YRC' kb3yrc@comcast.net [ham-antennas] wrote:
>>
>>
>>
>> You bring up a good question,Â Do I have to tell my insurance carrier I have a 30 ft. tower at my house?
>>
>> Do I need a special rider on the polices?Â Do I need lighting damage?
>>
>>
>>
>> Richard
>>
>>
>>
>>
>>
>>

>>
>>
>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Sent: Wednesday, June 04, 2014 12:16 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] insurance
>>
>>
>>
>>
>>
>> Has anyone had experience with the current (not the old Marsh) equipment insurance?
Good, Bad other wise?
>>
>> Ease of claims.....effectiveness..... cost vs value
>>
>>
>>
>> Any comments appreciated. (If you have had "zinger" type of comments, please contact me
off board
>>
>> dalecole3502@comcast.net
>>
>>
>>
>> Dale K8TS
>>
>>
>> No virus found in this message.
>> Checked by AVG - www.avg.com
>> Version: 2014.0.4592 / Virus Database: 3955/7617 - Release Date: 06/03/14
>>
>
>
> --
> Dave
> Manuals@ArtekManuals.com
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is
active.
>
>
>

32614. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 13:48:58 UTC
From: KA4INM radio
Topic: 32607 Message: 32614

On 06/04/14 06:33, Richard 'KB3YRC' kb3yrc@... wrote:

> You bring up a good question, Do I have to tell my insurance carrier I
> have a 30 ft. tower at my house?

> Do I need a special rider on the polices? Do I need lighting damage?

No one needs lightning (or lighting) damage.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32615. insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 15:44:05 UTC
From: dalecole3502@...
Topic: 32607 Message: 32615

Maybe I left out a couple of specific lines. I was questioning the insurance offered thru ARRL, (which they say) is all inclusive. I am reasonably sure my homeowners is going to say something to the effect of "that was a nice brand of tower you had"
Dale K8TS

32616. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 16:05:00 UTC
From: B Peter Treml
Topic: 32607 Message: 32616

My insurance said I was covered and I didn't need a rider or additional insurance.
Hmmm
Pete-K8PT
----- Original Message -----
From: dalecole3502@... [ham-antennas]
Cc: ham-antennas@yahoogroups.com
Sent: Wednesday, June 04, 2014 11:44 AM
Subject: [ham-antennas] insurance

Maybe I left out a couple of specific lines. I was questioning the insurance offered thru ARRL, (which they say) is all inclusive. I am reasonably sure my homeowners is going to say something to the effect of "that was a nice brand of tower you had"

Dale K8TS

32617. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 16:18:53 UTC
From: Chuck Schultz
Topic: 32607 Message: 32617

I lost two towers without a special rider on my Homeowners
.....Both times they paid $7000 which was the Max
for " Out Buildings & Structures" on my policy. I still have the same
insurance .....NO Cancellation or re-writes
.....Better yet no more tornadoes ,.....I had two
small storms hit me a neighbors in three years .....none before ,
none since Chuck Wq5B
On 6/4/2014 11:05 AM, 'B Peter Treml' k8pt@... [ham-antennas] wrote:
>
> □
>
> *My insurance said I was covered and I didn't need a rider or
> additional insurance.*
> *Hmmm*
> *Pete-K8PT*
>
> ----- Original Message -----
> *From:* dalecole3502@... [ham-antennas]
> <mailto:dalecole3502@...%20[ham-antennas]>
> *Cc:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Sent:* Wednesday, June 04, 2014 11:44 AM
> *Subject:* [ham-antennas] insurance
>
>
> Maybe I left out a couple of specific lines. I was questioning
> the insurance offered thru ARRL, (which they say) is all
> inclusive. I am reasonably sure my homeowners is going to say
> something to the effect of "that was a nice brand of tower you had"
> Dale K8TS
>
>

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http://www.avast.com

32618. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 16:51:10 UTC
From: dalecole3502@...
Topic: 32607 Message: 32618

Sounds like a quick check with agent should be in order. Did anyone experience coverage of equipment? (maybe if i build a small shack around the the tower, they would consider it an "out building"?) ----- Original Message ----- From: "ham-antennas" To: "ham-antennas" Sent: Wednesday, June 4, 2014 12:18:53 PM Subject: Re: [ham-antennas] insurance I lost two towers without a special rider on my Homeowners .....Both times they paid $7000 which was the Max for " Out Buildings & Structures" on my policy. I still have the same insurance .....NO Cancellation or re-writes .....Better yet no more tornadoes ,.....I had two small storms hit me a neighbors in three years .....none before , none since Chuck Wq5B On 6/4/2014 11:05 AM, 'B Peter Treml' k8pt@... [ham-antennas] wrote: ☐ My insurance said I was covered and I didn't need a rider or additional insurance. Hmmm Pete-K8PT
----- Original Message ----- From: dalecole3502@... [ham-antennas] Cc: ham-antennas@yahoogroups.com Sent: Wednesday, June 04, 2014 11:44 AM Subject: [ham-antennas] insurance Maybe I left out a couple of specific lines. I was questioning the insurance offered thru ARRL, (which they say) is all inclusive. I am reasonably sure my homeowners is going to say something to the effect of "that was a nice brand of tower you had" Dale K8TS
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32619. Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 20:54:49 UTC
From: wa1rkt@...
Topic: 32619 Message: 32619

I've been experimenting with some end-fed wire antennas strung from the rear of my 23-foot motorhome to a nearby tree. Lengths I've been working with are 17 feet, 34 feet, and 50 feet. The antenna is connected to an IC-706MK2G thru an LDG Z11Pro autotuner.

I'm not really getting the results I expected. For example, one would expect that the 34-foot antenna would probably tune pretty well in the 40-meter band using the autotuner (which is specified to be able to tune anything from 6 to 800 or 1000 ohms) and 50 feet should be close enough to a quarter wave on 75 that the tuner should be able to handle it easily. Doesn't seem to be working out that way... 40 and 75 are difficult to tune with 34 and 50 feet respectively, and yet for example 20 meters, and some MARS and CAP frequencies above that band, tune just fine with the 34-foot antenna which looks like approximately an end-fed half wave (high impedance).

I'm wondering if, instead of acting like a vertical antenna with a poor ground, the antenna is acting more like an off-center-fed dipole with the short end a foot or so off the ground.

What are your thoughts?

Rick WA1RKT

32620. Re: [ham-antennas] Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 21:14:39 UTC
From: Original Woodchuck
Topic: 32619 Message: 32620

I can't top post...

On Wed, Jun 04, 2014 at 01:54:49PM -0700, wa1rkt@... [ham-antennas] wrote:
> I've been experimenting with some end-fed wire antennas strung from the rear of my 23-foot motorhome to a nearby tree. Lengths I've been working with are 17 feet, 34 feet, and 50 feet. The antenna is connected to an IC-706MK2G thru an LDG Z11Pro autotuner.
>
> I'm not really getting the results I expected. For example, one would expect that the 34-foot antenna would probably tune pretty well in the 40-meter band using the autotuner (which is specified to be able to tune anything from 6 to 800 or 1000 ohms) and 50 feet should be close enough to a quarter wave on 75 that the tuner should be able to handle it easily. Doesn't seem to be working out that way... 40 and 75 are difficult to tune with 34 and 50 feet respectively, and yet for example 20 meters, and some MARS and CAP frequencies above that band, tune just fine with the 34-foot antenna which looks like approximately an end-fed half wave (high impedance).
>
> I'm wondering if, instead of acting like a vertical antenna with a poor ground, the antenna is acting more like an off-center-fed dipole with the short end a foot or so off the ground.
>
> What are your thoughts?
>
> Rick WA1RKT

So, what are the ground(s)? Is one side of the antenna actually the metal shell of the motor home? Is the m.h. grounded? An ungrounded m.h. can look a lot like one arm of an OCF. On the other hand, if there is no direct connection to the m.h., it is still a big metallic object in the near field of the antenna, and will capacitively couple in all kinds of novel ways, like any metal roof.

Dave AB3NR

32621. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:09:21 UTC
From: wa1rkt@...
Topic: 32619 Message: 32621

>> So, what are the ground(s)? Is one side of the antenna actually the
>> metal shell of the motor home?

Yes, one side of the antenna is the metal frame roof and truck frame of the motorhome. The shield of the coax connects to this junction.

Note that, unlike a normal OCF, there is no balun. Thus, one side of the antenna is connected to DC common (the motorhome frame) which normally one would expect would make it act like a capacitively coupled ground (sort of) rather than the (isolated) short side of an OCF.

>> Is the m.h. grounded?

No. This is by design. This antenna is intended for use with, at different times, my motorhome; a Civil Air Patrol 15-foot cargo van used as a comm van; and a CAP 32-foot travel trailer used as a command post and radio shack; any one of which can be plunked down anywhere... often, out in the puckerbrush miles from any civilization... and the likelihood of there being a useable ground is slim (note that 4-foot ground rods don't cut it around here even if we had time in the normal incident/exercise to drive one into the ground and retrieve it later). Thus, the antenna needs to work in some useable manner even with no solid ground. I don't really care what the radiation pattern looks like... I'm assuming that no matter what we do, most of the radiated signal will go more or less up, for NVIS coverage out to a hundred miles or so. That's our target area.

Rick WA1RKT

32622. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:23:53 UTC
From: Don Sanders
Topic: 32619 Message: 32622

Rick, try a single quarter wave wire from the motor home shell to some above ground anchor as a counterpoise.

Don HC/W4BWS

On Wed, Jun 4, 2014 at 5:09 PM, wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> >> So, what are the ground(s)? Is one side of the antenna actually the
> >> metal shell of the motor home?
>
> Yes, one side of the antenna is the metal frame roof and truck frame of
> the motorhome. The shield of the coax connects to this junction.
>
> Note that, unlike a normal OCF, there is no balun. Thus, one side of the
> antenna is connected to DC common (the motorhome frame) which normally one
> would expect would make it act like a capacitively coupled ground (sort of)
> rather than the (isolated) short side of an OCF.
>
> >> Is the m.h. grounded?
>
> No. This is by design. This antenna is intended for use with, at
> different times, my motorhome; a Civil Air Patrol 15-foot cargo van used as
> a comm van; and a CAP 32-foot travel trailer used as a command post and
> radio shack; any one of which can be plunked down anywhere... often, out in
> the puckerbrush miles from any civilization... and the likelihood of there
> being a useable ground is slim (note that 4-foot ground rods don't cut it
> around here even if we had time in the normal incident/exercise to drive
> one into the ground and retrieve it later). Thus, the antenna needs to
> work in some useable manner even with no solid ground. I don't really care
> what the radiation pattern looks like... I'm assuming that no matter what
> we do, most of the radiated signal will go more or less up, for NVIS
> coverage out to a hundred miles or so. That's our target area.
>
> Rick WA1RKT
>
>
>

--
Dr. Don W4BWS

32623. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:30:08 UTC
From: wa1rkt@...
Topic: 32619 Message: 32623

>> try a single quarter wave wire from the motor home
>> shell to some above ground anchor as a counterpoise.
I actually did try that, in the sense of laying a counterpoise wire on the ground and extending it in a direction opposite from the radiating part. Didn't make any noticeable difference. I suspect that with a metal frame nominally 23 feet by 7 feet, a length of wire 16 or 32 feet is unlikely to be noticed.

Note that the command post trailer has an ALE radio that hops frequencies in a range from just below 80 meters to just above 15 meters and about 10 frequencies in between (some of which aren't very close to a ham band). Part of my objective is to try to find an antenna length that the command post's tuner will tune do all of those frequencies.

Rick WA1RKT

32624. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:32:56 UTC
From: Billy McFarland
Topic: 32619 Message: 32624

Rick,

Try a 0.025 wave length as the ground and try pegging the end of the short counterpoise into the ground. This has always worked for me:

http://m.youtube.com/watch?v=I4pVYOYr_M4

73 Billy
GM0OBX
SKCC# 12202

32625. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:38:26 UTC
From: Mel Farrer
Topic: 32619 Message: 32625

Hello Billy,

One time in a really dry location, I could not get a good ground. The nite before we made homemade ice cream and I had all of the salty ice water left over. We had a half dozen rebars driven into the ground as far as they would go and still had a poor match to ground. The light bulb went off and I poured equal amounts of the salty water around each ground point. Took about 3 hours before we saw a significant improvement in the match. Like being at the beach..... Success.

Mel, K6KBE

On Wednesday, June 4, 2014 3:33 PM, "Billy McFarland gm0obx@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Rick,

Try a 0.025 wave length as the ground and try pegging the end of the short counterpoise into the ground. This has always worked for me:

http://m.youtube.com/watch?v=I4pVYOYr_M4

73 Billy
GM0OBX
SKCC# 12202

From: Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com>;
To: <ham-antennas@yahoogroups.com>;
Subject: Re: [ham-antennas] Re: Portable end-fed wire antennas
Sent: Wed, Jun 4, 2014 10:23:53 PM

Rick, try a single quarter wave wire from the motor home shell to some above ground anchor as a counterpoise.

Don HC/W4BWS

On Wed, Jun 4, 2014 at 5:09 PM, wa1rkt@...t [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>>> So, what are the ground(s)? Is one side of the antenna actually the
>>> metal shell of the motor home?
>
>Yes, one side of the antenna is the metal frame roof and truck frame of the motorhome. The shield of the coax connects to this junction.
>
>Note that, unlike a normal OCF, there is no balun. Thus, one side of the antenna is connected to DC common (the motorhome frame) which normally one would expect would make it

act like a capacitively coupled ground (sort of) rather than the (isolated) short side of an OCF.
>
>>> Is the m.h. grounded?
>
>No. This is by design. This antenna is intended for use with, at different times, my motorhome; a Civil Air Patrol 15-foot cargo van used as a comm van; and a CAP 32-foot travel trailer used as a command post and radio shack; any one of which can be plunked down anywhere... often, out in the puckerbrush miles from any civilization... and the likelihood of there being a useable ground is slim (note that 4-foot ground rods don't cut it around here even if we had time in the normal incident/exercise to drive one into the ground and retrieve it later). Thus, the antenna needs to work in some useable manner even with no solid ground. I don't really care what the radiation pattern looks like... I'm assuming that no matter what we do, most of the radiated signal will go more or less up, for NVIS coverage out to a hundred miles or so. That's our target
area.
>
>Rick WA1RKT
>
>

--
Dr. Don W4BWS

32626. Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:41:25 UTC
From: Geoff NW7GM
Topic: 32626 Message: 32626

I'm wondering if someone could help me out with a little antenna modeling - I would do it myself but my main system is not set up right now (post-remodel).

I'd like to model a horizontal delta loop. I figured the total wire length to be around 220' - so in the 80m range. Average height will be 20-25' over average to moderate ground (we have lots of granite under us here in the PNW). I'm planning on having my SGC-239 tuner at the feed point so I won't have any transmission line at the antenna except for the RG8, RG8x or 1/4" heliax I have feeding the SGC tuner. I think total length of coax will be about 40' (I haven't had a chance to measure that out yet). I would like it to work 80-10m (maybe even 6m?). I think that should be enough info to get started with.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

32627. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:41:53 UTC
From: Billy McFarland
Topic: 32619 Message: 32627

I suppose Scotland is always raining and wet and plenty of grass everywhere for a nice ground. We would struggle to get the salt here ;)

What about using one of those Hy end fed antennas? That uses the coax as a counterpoise so you will need an rf choke on the feed surely that would work better?

73 Billy
GM0OBX
SKCC# 12202

32628. Re: Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:44:08 UTC
From: geoff.nw7gm@...
Topic: 32626 Message: 32628

Oh, I forgot... the wire will be 14-18 AWG stranded THHN.

Thanks again,

Geoff, NW7GM
Seattle, WA
CN87tr

32629. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:45:53 UTC
From: radiomanl@...
Topic: 32619 Message: 32629

check this out . it may be of some help .

http://www.balundesigns.com/Wire%20Lengths%20for%209-1%20ununs.pdf
http://www.balundesigns.com/Wire%20Lengths%20for%209-1%20ununs.pdf

andrew
kd5pnt

32630. RE: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 22:49:36 UTC
From: Billy McFarland
Topic: 32619 Message: 32630

Andrew that's the lengths I stick to and trey are pretty good guide.

73 Billy
GM0OBX
SKCC# 12202

32631. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 23:05:21 UTC
From: Original Woodchuck
Topic: 32619 Message: 32631

On Wed, Jun 04, 2014 at 03:09:21PM -0700, wa1rkt@... [ham-antennas] wrote:

> >> So, what are the ground(s)? Is one side of the antenna actually the
> >> metal shell of the motor home?
> >> Dave AB3NR, "Original Woodchuck"
>
> Yes, one side of the antenna is the metal frame roof and truck frame
of the motorhome. The shield of the coax connects to this junction.

Aha!

> Note that, unlike a normal OCF, there is no balun. Thus, one side
of the antenna is connected to DC common (the motorhome frame) which
normally one would expect would make it act like a capacitively coupled
ground (sort of) rather than the (isolated) short side of an OCF.

You might consider a balun of some sort, I suggest a current balun. Maybe 1:4,
maybe something else... pending results.

A choke balun on the feed coax would probably not hurt.

> >> Is the m.h. grounded?
>
> No. This is by design. This antenna is intended for use with, at
different times, my motorhome; a Civil Air Patrol 15-foot cargo van used
as a comm van; and a CAP 32-foot travel trailer used as a command post and
radio shack; any one of which can be plunked down anywhere... often, out
in the puckerbrush miles from any civilization... and the likelihood of
there being a useable ground is slim (note that 4-foot ground rods don't
cut it around here even if we had time in the normal incident/exercise
to drive one into the ground and retrieve it later). Thus, the antenna
needs to work in some useable manner even with no solid ground. I don't
really care what the radiation pattern looks like... I'm assuming that no
matter what we do, most of the radiated signal will go more or less up,
for NVIS coverage out to a hundred miles or so. That's our target area.
>
> Rick WA1RKT
>

[This response due to Dave AB3NR: Please keep this attribution intact.]

OK, so the m.h. or other metal vehicle is ungrounded, and is therefore
a big, fat antenna element, much like using a 55-gal drum as an antenna
in the VHF. [This is not insane, BTW. There are .mil antennas something
like 55 gal drums.] One result of such big fat elements is a very broad
bandwidth. Another is a bit of loss. You win some, you lose some, IOW.
The broad bandwidth is the same as saying "flat looking curve of SWR

and/or impedance vs wavelength", and this will result in difficulty (i.e. "indecision") in tuning.

I'm going to take a stab at modelling your situation with NEC-2 now, and this might take a while, and might not work. But it ought to show something.

Right now your antenna has three elements radiating: the thin wire, the m.h. body, and the outer shield of the coax feed. The latter might be troublesome because it might really goof up the other two, and indeed being "hard to tune". But because the shack is inside the m.h. this may actually not be an issue. Well, if I learn anything I'll post back here.

Note to other posters in this thread: You might hate me because I can't top post, and I understand. But leave my name/call sign and "headers" showing the attribution of material you quote. This is common courtesy and good practice. Credit where credit is due, blame where blame is due, and the possibility of later emailing an author with questions or comments is possible.

Dave AB3NR

32632. Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 23:22:25 UTC
From: Raymond Tompkins
Topic: 32632 Message: 32632

Good Afternoon Group,
I just moved into an area and I have virtually no space for a horizontal antenna and virtually no room for ground radials and a vertical antenna. To make matters worse, the antenna must be unobtrusive. I've heard about flagpole antennas and some mobile antennas that might work. Almost enough to make me a living silent key, hi hi.
I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I really, really, liked it. I realize the "new" antenna may not work across the full spectrum of all bands but if something from 10-40 would really be nice. I need just four States on 10 meters SSB to complete 5BWAS.
Any and all help very much appreciated as I have been diligently working the ARRL W1AW QSO Party and would like to get back into the action.

73, Raymond (KQ6X)

32633. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 23:42:20 UTC
From: Chuck Schultz
Topic: 32632 Message: 32633

I am not sure but I think you have lost all your work as you must start
from scratch at the new location . Good luck Chuck Wq5B
On 6/4/2014 6:22 PM, Raymond Tompkins kq6x68@... [ham-antennas] wrote:
> Good Afternoon Group,
> I just moved into an area and I have virtually no space for a
> horizontal antenna and virtually no room for ground radials and a
> vertical antenna. To make matters worse, the antenna must be
> unobtrusive. I've heard about flagpole antennas and some mobile
> antennas that might work. Almost enough to make me a living silent
> key, hi hi.
> I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH
> and I really, really, liked it. I realize the "new" antenna may not
> work across the full spectrum of all bands but if something from 10-40
> would really be nice. I need just four States on 10 meters SSB to
> complete 5BWAS.
> Any and all help very much appreciated as I have been diligently
> working the ARRL W1AW QSO Party and would like to get back into the
> action.
>
> 73, Raymond (KQ6X)
>

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32634. Re: [ham-antennas] new antenna installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-04 23:44:01 UTC
From: Bryan Swadener
Topic: 32604 Message: 32634

Tony,

Pipe isn't rated to do anything except support itself and carry liquid/gas/wire inside itself.
OTOH, "structural tube" IS rated to withstand bending moment. Tube is specified in OD and wall thickness, as well as material type, alloy, temper, and maximum stress.

There are free calculators available to give you the information you seek. A Google search of mast + calculator provided a link to WD9P's online calculator:
http://www.math.niu.edu/KARC/mast/

I found more interesting links on the subject here:
http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=17127

The mast out the top of my US Tower TX-472 is 15 feet long with 11 feet protruding out the top. The mast is 2" OD x 0.25" wall steel (provided by US Tower). Attached to the mast just above the top of the tower is my Force12 C-4XL 40/20/15/10m yagi (30 ft boom) and at the top of the mast is my Cushcraft AR-10 vertical. Several storms later, and it's still upright.

vy 73,
Bryan WA7PRC

----- Original Message -----

4a. new antenna installation question
    From: tc8269

Subjecy: new antenna installation question
    Posted by: Tony K2VI
    Date: Tue Jun 3, 2014 5:03 pm ((PDT))

Hello to all. Hope everyone is doing well. I will be erecting a 8' roof tower on my 25' peak.
My question is will schedule 80 aluminum pipe 1.9"OD hold up my small hy-gain 203 ba 20 meter mono band 3 element yagi. I want to raise it 6 feet from the thrust bearing.
Also the antenna will be near trees to block any winds from the west and south.
Any input would be helpful. thanks.

Tony K2VI

32635. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 00:18:12 UTC
From: Raymond Tompkins
Topic: 32632 Message: 32635

Hi Chuck,
No, I'm within 25 miles of the old QTH and that qualifies for WAS. Thanks for asking though.

73, Raymond (KQ6X)

On Wednesday, June 4, 2014 4:41 PM, "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I am not sure but I think you have lost all your work as you must start from scratch at the new location . Good luck Chuck Wq5B

On 6/4/2014 6:22 PM, Raymond Tompkins kq6x68@... [ham-antennas] wrote:

>Good Afternoon Group,
>I just moved into an area and I have virtually no space for a horizontal antenna and virtually no room for ground radials and a vertical antenna. To make matters worse, the antenna must be unobtrusive. I've heard about flagpole antennas and some mobile antennas that might work. Almost enough to make me a living silent key, hi hi.
>I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I really, really, liked it. I realize the "new" antenna may not work across the full spectrum of all bands but if something from 10-40 would really be nice. I need just four States on 10 meters SSB to complete 5BWAS.
>Any and all help very much appreciated as I have been diligently working the ARRL W1AW QSO Party and would like to get back into the action.
>
>
>73, Raymond (KQ6X)
>

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32636. Re: Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 01:06:14 UTC
From: Geoff NW7GM
Topic: 32626 Message: 32636

I forgot one other detail... The base of the triangle (opposite the feed point) will be approx. 60 feet, so not an equillateral triangle.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 4, 2014 3:41 PM, "Geoff NW7GM" <geoff.nw7gm@...> wrote:

> I'm wondering if someone could help me out with a little antenna modeling
> - I would do it myself but my main system is not set up right now
> (post-remodel).
>
> I'd like to model a horizontal delta loop. I figured the total wire length
> to be around 220' - so in the 80m range. Average height will be 20-25' over
> average to moderate ground (we have lots of granite under us here in the
> PNW). I'm planning on having my SGC-239 tuner at the feed point so I won't
> have any transmission line at the antenna except for the RG8, RG8x or 1/4"
> heliax I have feeding the SGC tuner. I think total length of coax will be
> about 40' (I haven't had a chance to measure that out yet). I would like it
> to work 80-10m (maybe even 6m?). I think that should be enough info to get
> started with.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>

32637. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 01:40:45 UTC
From: Adrian Flynn
Topic: 32607 Message: 32637

What company do you have?

72/73
Adrian KF7DYU

On Wed, Jun 4, 2014 at 12:18 PM, Chuck Schultz wq5b@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I lost two towers without a special rider on my Homeowners
> .....Both times they paid $7000 which was the Max for "
> Out Buildings & Structures" on my policy. I still have the same insurance
> .....NO Cancellation or re-writes .....Better yet no
> more tornadoes ,.....I had two small storms hit me a neighbors
> in three years .....none before , none since Chuck Wq5B
> On 6/4/2014 11:05 AM, 'B Peter Treml' k8pt@... [ham-antennas] wrote:
>
>
>
> *My insurance said I was covered and I didn't need a rider or additional
> insurance.*
> *Hmmm*
> *Pete-K8PT*
>
> ----- Original Message -----
> *From:* dalecole3502@... [ham-antennas]
> <dalecole3502@...%20[ham-antennas]>
> *Cc:* ham-antennas@yahoogroups.com
> *Sent:* Wednesday, June 04, 2014 11:44 AM
> *Subject:* [ham-antennas] insurance
>
>
>
>
> Maybe I left out a couple of specific lines. I was questioning the
> insurance offered thru ARRL, (which they say) is all inclusive. I am
> reasonably sure my homeowners is going to say something to the effect of
> "that was a nice brand of tower you had"
> Dale K8TS
>
>
>
>
> ----------
> <http://www.avast.com/>

>
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> <http://www.avast.com/> protection is active.
>
>
>

32638. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 02:47:14 UTC
From: dalecole3502@...
Topic: 32607 Message: 32638

ya Pete.....whatca u got? I just got to get a some kinda policy on my antennas, especially my MA160V 160 antenna. Buying the first hurt the pocket book hard, but a second one would be out of the question with the XYL! Dale K8TS ----- Original Message ----- From: "ham-antennas" To: "ham-antennas" Sent: Wednesday, June 4, 2014 9:40:45 PM Subject: Re: [ham-antennas] insurance What company do you have? 72/73 Adrian KF7DYU On Wed, Jun 4, 2014 at 12:18 PM, Chuck Schultz wq5b@... [ham-antennas] < ham-antennas@yahoogroups.com > wrote:
I lost two towers without a special rider on my Homeowners .....Both times they paid $7000 which was the Max for " Out Buildings & Structures" on my policy. I still have the same insurance .....NO Cancellation or re-writes .....Better yet no more tornadoes ,.....I had two small storms hit me a neighbors in three years .....none before , none since Chuck Wq5B On 6/4/2014 11:05 AM, 'B Peter Treml' k8pt@... [ham-antennas] wrote:
My insurance said I was covered and I didn't need a rider or additional insurance. Hmmm Pete-K8PT
----- Original Message ----- From: dalecole3502@... [ham-antennas] Cc: ham-antennas@yahoogroups.com Sent: Wednesday, June 04, 2014 11:44 AM Subject: [ham-antennas] insurance Maybe I left out a couple of specific lines. I was questioning the insurance offered thru ARRL, (which they say) is all inclusive. I am reasonably sure my homeowners is going to say something to the effect of "that was a nice brand of tower you had" Dale K8TS
This email is free from viruses and malware because avast! Antivirus protection is active.

32639. AW: [ham-antennas] Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 09:35:17 UTC
From: siegfried jackstien
Topic: 32626 Message: 32639

Do you have mmana?? (mmana-gal)

If not then download and install (it is freeware!)

Modelling such an antenna is done in minutes if drawn from scratch

Done in seconds if you use one of the ready included models and just modify it to your needs

Dg9bfc

Sigi

Ps I can help you with modelling if needed

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 4. Juni 2014 22:41
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Delta Loop Modeling Help
>
>
>
> I'm wondering if someone could help me out with a little antenna modeling
> - I would do it myself but my main system is not set up right now (post-
> remodel).
>
> I'd like to model a horizontal delta loop. I figured the total wire length
> to be around 220' - so in the 80m range. Average height will be 20-25'
> over average to moderate ground (we have lots of granite under us here in
> the PNW). I'm planning on having my SGC-239 tuner at the feed point so I
> won't have any transmission line at the antenna except for the RG8, RG8x
> or 1/4" heliax I have feeding the SGC tuner. I think total length of coax
> will be about 40' (I haven't had a chance to measure that out yet). I
> would like it to work 80-10m (maybe even 6m?). I think that should be
> enough info to get started with.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

32640. AW: [ham-antennas] Re: Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 09:39:57 UTC
From: siegfried jackstien
Topic: 32626 Message: 32640

If made a bit higher and not fed in centre but at one side (a quarterwave from top) you would have a nice 80 dx antenna :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 5. Juni 2014 01:06
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Delta Loop Modeling Help
>
>
>
> I forgot one other detail... The base of the triangle (opposite the feed
> point) will be approx. 60 feet, so not an equillateral triangle.
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
> On Jun 4, 2014 3:41 PM, "Geoff NW7GM" <geoff.nw7gm@...> wrote:
>
>
> I'm wondering if someone could help me out with a little antenna
> modeling - I would do it myself but my main system is not set up right now
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> I'd like to model a horizontal delta loop. I figured the total wire
> length to be around 220' - so in the 80m range. Average height will be 20-
> 25' over average to moderate ground (we have lots of granite under us here
> in the PNW). I'm planning on having my SGC-239 tuner at the feed point so
> I won't have any transmission line at the antenna except for the RG8, RG8x
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> would like it to work 80-10m (maybe even 6m?). I think that should be
> enough info to get started with.
>
> Thanks,
>
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

32641. AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 09:47:54 UTC
From: siegfried jackstien
Topic: 32632 Message: 32641

Buy a flagpole (6-7m) ... isolated from ground

Add an autotuner at the base and hide some radials below it (laid out in the grass and stapled down they will be invisible in a very short time)

Should work 10-40

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 5. Juni 2014 00:18
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Vertical Antenna in Limited Area
>
>
>
> Hi Chuck,
> No, I'm within 25 miles of the old QTH and that qualifies for WAS. Thanks
> for asking though.
>
>
> 73, Raymond (KQ6X)
>
>
> On Wednesday, June 4, 2014 4:41 PM, "Chuck Schultz wq5b@... [ham-
> antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
> I am not sure but I think you have lost all your work as you must start
> from scratch at the new location . Good luck Chuck Wq5B
>
> On 6/4/2014 6:22 PM, Raymond Tompkins kq6x68@... [ham-antennas]
> wrote:
>
>
>
> Good Afternoon Group,
> I just moved into an area and I have virtually no space for a
> horizontal antenna and virtually no room for ground radials and a vertical
> antenna. To make matters worse, the antenna must be unobtrusive. I've
> heard about flagpole antennas and some mobile antennas that might work.

> Almost enough to make me a living silent key, hi hi.
> I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH
> and I really, really, liked it. I realize the "new" antenna may not work
> across the full spectrum of all bands but if something from 10-40 would
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> Any and all help very much appreciated as I have been diligently
> working the ARRL W1AW QSO Party and would like to get back into the
> action.
>
>
> 73, Raymond (KQ6X)
>
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> because avast! Antivirus <http://www.avast.com/> protection is active.
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>

32642. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 11:49:31 UTC
From: Frank Kirschner
Topic: 32632 Message: 32642

On Wed, Jun 4, 2014 at 7:22 PM, Raymond Tompkins kq6x68@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Good Afternoon Group,
> I just moved into an area and I have virtually no space for a horizontal
> antenna and virtually no room for ground radials and a vertical antenna.
> To make matters worse, the antenna must be unobtrusive. I've heard about
> flagpole antennas and some mobile antennas that might work. Almost enough
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> I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I
> really, really, liked it. I realize the "new" antenna may not work across
> the full spectrum of all bands but if something from 10-40 would really be
> nice. I need just four States on 10 meters SSB to complete 5BWAS.
> Any and all help very much appreciated as I have been diligently working
> the ARRL W1AW QSO Party and would like to get back into the action.
>
> 73, Raymond (KQ6X)
>
> _
>
Raymond,

Can you define "virtually"? Two square feet? One hundred square feet? If you have even a 10' X 10' area, you could use a screwdriver vertical like the Hi Q or Scorpion, and put down a fairly dense set of short radials. (The advantage of not having enough room for long radials is that it is easy to put in lots of short ones.) You could disguise the antenna as a flagpole, patio umbrella, basketball backstop, or, if you want to be creative, a tree. A piece of plastic pipe long enough to hide the antenna, painted to look like a tree trunk, with plastic branches glued on might be just the thing. I used a screwdriver vertical as a base antenna with some success, but I had twenty five tuned radials on the ground.

Other options: load up on the rain gutters, run a very thin (therefore, QRP) wire (invisible from the street) to a cooperative neighbor's house, elevated screwdriver vertical in the attic poking out of a hole in the roof disguised with a vent pipe. I had good success with the latter, using only four radials. (You need fewer radials if the antenna is elevated.)

Where there's a will, there's an antenna.

GL

73,
Frank
KF6E

32643. Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 10:49:37 UTC
From: KB3YRC
Topic: 32643 Message: 32643

I looking for a high Z to low Z transformer for my microphone.

50,000 - 90,000 ohms to 600 ohms

My 10 AD won't work with my radios

Tube equipment to Transistor equipment

Small to put in the Base

Richard

32644. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 11:51:39 UTC
From: Frank Kirschner
Topic: 32632 Message: 32644

I forgot one other good alternative: a magnetic loop antenna. MFJ makes a reasonably good one that has auto-tune and will handle 150 watts. I've never used one, but the reviews on QTH.com seem pretty positive.

73,
Frank
KF6E

32645. Re: [ham-antennas] Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 12:05:36 UTC
From: Gerald Bishop
Topic: 32643 Message: 32645

TThinking this is Astaic ??? Try a 104 amped base. They have the transformers in them. Just don't turn it up much. I used one wit my TS 940 -de w8kq
----- Original Message -----
From: 'KB3YRC' kb3yrc@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Thursday, June 05, 2014 6:49 AM
Subject: [ham-antennas] Miss match

I looking for a high Z to low Z transformer for my microphone.

50,000 - 90,000 ohms to 600 ohms

My 10 AD won't work with my radios

Tube equipment to Transistor equipment

Small to put in the Base

Richard

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32646. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 12:10:40 UTC
From: Gerald Bishop
Topic: 32632 Message: 32646

HI Gain 6xx vert ,no grounds ,if above 10 feet and 40-6 mtrs. No way to camo it ,tho Say it is a tv ant??? de w8kq
----- Original Message -----
From: Raymond Tompkins kq6x68@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, June 04, 2014 7:22 PM
Subject: [ham-antennas] Vertical Antenna in Limited Area

Good Afternoon Group,
I just moved into an area and I have virtually no space for a horizontal antenna and virtually no room for ground radials and a vertical antenna. To make matters worse, the antenna must be unobtrusive. I've heard about flagpole antennas and some mobile antennas that might work. Almost enough to make me a living silent key, hi hi.
I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I really, really, liked it. I realize the "new" antenna may not work across the full spectrum of all bands but if something from 10-40 would really be nice. I need just four States on 10 meters SSB to complete 5BWAS.
Any and all help very much appreciated as I have been diligently working the ARRL W1AW QSO Party and would like to get back into the action.

73, Raymond (KQ6X)

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32647. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 12:28:06 UTC
From: Chuck Schultz
Topic: 32607 Message: 32647

I have Foremost . I bought it thru AARP to get a Discount , but only
after making sure I did not have to belong to AARP. I feel they
need out of politics. Chuck
On 6/4/2014 8:40 PM, Adrian Flynn ADRIANJAMESFLYNN@...
[ham-antennas] wrote:
> What company do you have?
>
> 72/73
> Adrian KF7DYU
>
>
> On Wed, Jun 4, 2014 at 12:18 PM, Chuck Schultz wq5b@...
> <mailto:wq5b@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> I lost two towers without a special rider on my Homeowners
> .....Both times they paid $7000 which was the
> Max for " Out Buildings & Structures" on my policy. I still have
> the same insurance .....NO Cancellation or re-writes
> .....Better yet no more tornadoes ,.....I had
> two small storms hit me a neighbors in three years
> .....none before , none since Chuck Wq5B
>
> On 6/4/2014 11:05 AM, 'B Peter Treml' k8pt@...
> <mailto:k8pt@...> [ham-antennas] wrote:
>>
>> *My insurance said I was covered and I didn't need a rider or
>> additional insurance.*
>> *Hmmm*
>> *Pete-K8PT*
>>
>> ----- Original Message -----
>> *From:* dalecole3502@... [ham-antennas]
>> <mailto:dalecole3502@...%20[ham-antennas]>
>> *Cc:* ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> *Sent:* Wednesday, June 04, 2014 11:44 AM
>> *Subject:* [ham-antennas] insurance
>>
>>
>> Maybe I left out a couple of specific lines. I was
>> questioning the insurance offered thru ARRL, (which they say)
>> is all inclusive. I am reasonably sure my homeowners is
>> going to say something to the effect of "that was a nice

>> brand of tower you had"
>> Dale K8TS
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>
>
>
> ----------
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>

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http://www.avast.com

32648. Re: 2M/70cm antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 12:56:06 UTC
From: jerrybosak@...
Topic: 32593 Message: 32648

I think you need an Elmer, but at least you were smart enough to come here and ask for advice...

The answer is that you need an antenna for your home and you need a separate antenna for your vehicle..

Home base station antenna's comes in all flavors, some will like this while others will like something else...
My preference is the Diamond V2000 - just due to the fact that it does 2 meters and 70 CM and also 6 meters and is not obtrusive - it's probably 9 feet long...

A even better choice is to use the Diamond X510 - it is almost 18' long.
Even with the ground plane kit, I prefer to put a dozen or more radials out in the yard underneath the antenna....

You also need to have considerations as to which coax to use to feed the antenna. If you are going to work both 70 CM and 2 meters - you will want to use LMR 400 for any run of more then 50'. Belden 9913F7 seems to be the industry standard today for minimum requirements for these antenna's...

On your vehicle you are going to want to buy the best antenna you can get - since the roof of the vehicle is not very high up off the ground and you don't want to leave a lot on your plate - especially if you plan on talking more then a couple of miles while mobile...

The antenna that I use is the Larsen NMO 2/70 - it is getting hard to find.

I also like the Comet / Madol line of dual band 1/2 or 5/8ths wave antenna's..

Always invest your money in the coax and a good antenna...

32649. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 13:57:34 UTC
From: wa1rkt@...
Topic: 32619 Message: 32649

AB3NR>> "the m.h. or other metal vehicle is ungrounded, and is therefore a big, fat antenna element... a very broad bandwidth. Another is a bit of loss.... flat looking curve of SWR and/or impedance vs wavelength... this will result in difficulty... in tuning."

Why would a flat SWR curve cause difficulty or indecision in tuning?

All the tuner knows is that it sees an impedance of X+/-jY and it needs to transform that into something close to 50+j0. It doesn't know, and shouldn't care, where that X+/-jY comes from or whether the SWR curve at that frequency is wide or narrow.

I'd be happy with a wide SWR curve and the "bit of loss" would not bother me at all... this antenna is intended to replace a 9-foot CB whip with an autotuner at the base (used with our CAP comm van) which may as well be a dummy load at the frequencies just above 4 MHz where we will be doing much of our operating.

I just borrowed an MFJ-269 antenna analyzer with a thoroughly corroded battery box, so as soon as I can replace the battery box I'll be able to do some better analysis.

Rick WA1RKT

32650. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 14:07:29 UTC
From: wa1rkt@...
Topic: 32619 Message: 32650

KD5PNT>> "check this out . it may be of some help .
http://www.balundesigns.com/Wire%20Lengths%20for%209-1%20ununs.pdf
http://www.balundesigns.com/Wire%20Lengths%20for%209-1%20ununs.pdf"

Wow. A 9:1 unun? Certainly didn't expect that. There are frequencies in the desired range where the impedance is pretty high and I've been considering inserting an MFJ switchable 4:1/1:1 balun, but I would think that a 9:1 unun would result in some unusably low impedances at some points in the freq range.

I guess when I get the new battery box to replace the terminally corroded one in a borrowed MFJ-269, I'll know better what impedances I'm really dealing with.

Rick WA1RKT

32651. Re: [ham-antennas] insurance

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 14:51:31 UTC
From: k2dfc@...
Topic: 32607 Message: 32651

I lost my entire shack due to lightning 2 years ago. I have a NJ based company. They covered everything at replacement value. Radios, all accessories, coax, connectors. Even the cost of replacing electrical wire in the wall and painting the room. No additional rider needed.

K2DFC

32652. Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 15:10:18 UTC
From: k2dfc@...
Topic: 32632 Message: 32652

I lived in a small apartment for a time many years ago. A 15 meter dipole made of light gage wire tacked to the ceiling worked great. Had some RG-58 coax with alligator clips and attached it when in use and unclipped it when not.

K2DFC

32653. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 15:15:45 UTC
From: Original Woodchuck
Topic: 32619 Message: 32653

On Thu, Jun 05, 2014 at 06:57:34AM -0700, wa1rkt@... [ham-antennas] wrote:
> AB3NR>> "the m.h. or other metal vehicle is ungrounded, and is therefore a big, fat antenna element... a very broad bandwidth. Another is a bit of loss.... flat looking curve of SWR and/or impedance vs wavelength... this will result in difficulty... in tuning."
>
> Why would a flat SWR curve cause difficulty or indecision in tuning?

My thinking is that the tuner is looking for a local minimum in SWR, if the curve is flat it won't find it as quickly, possibly. I.e. it's easier to find the low point in the Grand Canyon than in Kansas, so to speak. I am dubious about this, but it's a talking point. :-)
It depends on the method used to autotune. There is more than one way to skin that cat.

> All the tuner knows is that it sees an impedance of X+/-jY and it needs to transform that into something close to 50+j0. It doesn't know, and shouldn't care, where that X+/-jY comes from or whether the SWR curve at that frequency is wide or narrow.

It depends how the tuner works. Some automatic ones can be heard "hunting", trying combinations of L and C, as if they were carrying out an optimization algorithm; this is why they're "slow" the first time on a frequency, but afterwards have better starting points. It's true that if they could measure impedance and could actually set the L and C accurately, that would be direct, one-step tuning, and some might actually work that way.

Another source of difficulty is when an optimizer finds an unacceptable local minimum, say if it finds a minimum at an SWR of 4. Then it has to discard that point and rehunt. If the algorithm fails (and they can), or is weakly designed, (alas possible -- "Optimization is hard!" said Engineer Barbie), it might find this same point again (and again...).

> I'd be happy with a wide SWR curve and the "bit of loss" would not bother me at all... this antenna is intended to replace a 9-foot CB whip with an autotuner at the base (used with our CAP comm van) which may as well be a dummy load at the frequencies just above 4 MHz where we will be doing much of our operating.

Yeah, I agree this would be an acceptable, usable solution.

I simulated the trailers/m.h with half of a caged dipole of 2.4 m (7.78 ft) diameter about a foot above ground. (i.e. sort of wire model of an Airstream trailer, a "copper sausage", the cage had 8 or 16 wires, but no cross-connection between them -- I was lazy.). The length of the m.h. varied. The single wire was that -- a single wire either coming directly from the center of one end of the sausage, then proceeding at a slant to a height of around 25 feet, or coming from a short vertical section to the top of the m.h., before bending to the slant to the

tree. Feedpoint was right at the wire-sausage connection. This, I admit, is hardly the definitive model, but I suspect it is close enough for "government work".

There was a lot of loss, getting the gain above 0. was a challenge. On 75m and lower gain was around -5 to -10 dBi, possibly acceptable, if 100W or more power is available.

The curious thing was the effect the m.h. had on pattern. At the longer wavelengths, it was obviously directional, with a take-off angle around 45 degrees, and the azimuthal pattern looked like a cardioid, strongest in the direction the m.h. was facing. In the other direction there was an almost null. It is something like the pattern of a more orthodox sloper.

On 40m, the pattern was much more NVIS-ish, no null, more gain. (about -1 dBi).

On 20m, the pattern was a narrow vertical spike. Since 20m doesn't work well on NVIS, I'd call the antenna unusable on 20m.

>
> I just borrowed an MFJ-269 antenna analyzer with a thoroughly corroded battery box, so as soon as I can replace the battery box I'll be able to do some better analysis.

Yeah, if you can construct some graphs of SWR, R and X, vs frequency, from about 2MHz to 20Mhz, I think you'll see about what I did in the NEC2 model. The 269 can also be fed from a wall wart. 12V, I believe. (12 not 13.8, I mean.)

I fiddled the length of the wire some to get resonance somewhere in the 40m band. 7.2 or so, I think.

A couple of bottom lines -- the tune and resonance point will vary with the size of the m.h., and the m.h. does two things: it radiates as expected, and it also couples very well with ground. (I used a "mediocre ground" that is the default in the little program I use. Pennsylvania rocky forest dirt. Dielectric constant = 13, conductivity = 0.006 S/m). I think (guess) I was seeing about -15 dBi losses to ground coupling.

The SWR and impedance curves looked tractable, especially on 40m, and nicely broad-banded. It wouldn't be hard to tune near its resonant frequency.

One thing occured to me: if you're running any power, that m.h. is going to present possible RF burn hazards, particularly if it has any "spikey" places, where the voltage will tend to peak.

Suggestion: Do the plots with the MH-269. Autotuners can sometimes be weak when trying to match the case of low R and high X, which the model said obtains at frequencies less than resonance. (R ~= 8 ohms, X ~= -1000 ohms on 75m). An LC manual tuner might be useful particularly if it is made or modded to allow the operator to switch the positions of the L and the C (i.e. which one is series, and which one is shunted) and to switch whether the shunted reactance is closer to antenna or transmitter. Running the 269 through such a tuner would be instructive, I think.

Another: the suggestions made by others of taking the m.h. out of the system except as a passive element and instead using some sort of counterpoise wire laid on the ground may be promising. I have'nt modeled this. It would possibly be better to get away from the m.h. a wavelength or two, running coax out to a wire/counterpoise pair. No experience with this, though. Just guessing.

If you or anyone is interested in this model, I can supply a "traditional NEC2 Input card deck". It has many segments, and the freebie/ARRL EZNEC won't handle it. Contact me offlist, please.

Software: xnec2c NEC2++ running on Linux.

>
> Rick WA1RKT

Dave AB3NR

32654. RE: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 17:00:07 UTC
From: Billy McFarland
Topic: 32619 Message: 32654

Rick,

Try a 9:1 unun they have always worked well for me.

73 Billy
GM0OBX
SKCC# 12202

32655. Re: AW: [ham-antennas] Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 17:22:30 UTC
From: Geoff NW7GM
Topic: 32626 Message: 32655

I would install nmana but I don't currently have my computer system set up right now.

As far as your second reply, getting it up higher probably isn't going to be an option, but definitely worth looking into.

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 5, 2014 2:37 AM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Do you have mmana?? (mmana-gal)
>
> If not then download and install (it is freeware!)
>
> Modelling such an antenna is done in minutes if drawn from scratch
>
> Done in seconds if you use one of the ready included models and just modify
> it to your needs
>
> Dg9bfc
>
> Sigi
>
> Ps I can help you with modelling if needed
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Mittwoch, 4. Juni 2014 22:41
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Delta Loop Modeling Help
> >
> >
> >
> > I'm wondering if someone could help me out with a little antenna modeling
> > - I would do it myself but my main system is not set up right now (post-
> > remodel).
> >
> > I'd like to model a horizontal delta loop. I figured the total wire
> length
> > to be around 220' - so in the 80m range. Average height will be 20-25'
> > over average to moderate ground (we have lots of granite under us here in

> > the PNW). I'm planning on having my SGC-239 tuner at the feed point so I
> > won't have any transmission line at the antenna except for the RG8, RG8x
> > or 1/4" heliax I have feeding the SGC tuner. I think total length of coax
> > will be about 40' (I haven't had a chance to measure that out yet). I
> > would like it to work 80-10m (maybe even 6m?). I think that should be
> > enough info to get started with.
> >
> > Thanks,
> >
> > Geoff, NW7GM
> > Seattle, WA
> > CN87tr
> >
> >
>
>
>

32656. Best near-real-time propagation prediction/reporting services

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 17:44:22 UTC
From: wa1rkt@...
Topic: 32656 Message: 32656

Are there any services on the net that report or predict the propagation conditions for "right now" or at least for "today"?

Pretty much all I can find are VOACAP-based services like www.voacap.com/prediction.html http://www.voacap.com/prediction.html and I've used a couple of them, and while they're a lot better than nothing they all seem to report an estimate and prediction for an entire month, which doesn't help a lot to determine the best frequency to use for current propagation conditions.

Thanks...

Rick WA1RKT

32657. Re: [ham-antennas] Best near-real-time propagation prediction/reporting services

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 17:53:48 UTC
From: Mark Pope
Topic: 32656 Message: 32657

I use this mostly for 6M but it can show all the bands. Shows DX cluster spots in a map form. You might like it.

http://www.dxmaps.com/spots/map.php

73
Mark/W7MCP

On Thu, Jun 5, 2014 at 11:44 AM, wa1rkt@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Are there any services on the net that report or predict the propagation
> conditions for "right now" or at least for "today"?
>
> Pretty much all I can find are VOACAP-based services like
> www.voacap.com/prediction.html and I've used a couple of them, and while
> they're a lot better than nothing they all seem to report an estimate and
> prediction for an entire month, which doesn't help a lot to determine the
> best frequency to use for current propagation conditions.
>
> Thanks...
>
> Rick WA1RKT
>
>

32658. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 18:16:08 UTC
From: wa1rkt@...
Topic: 32619 Message: 32658

AB3NR>> "My thinking is that the tuner is looking for a local minimum in SWR, if the curve is flat it won't find it as quickly"

That's not how autotuners work, at least none that I've ever used. They don't frequency-hop trying to find a minimum SWR... they work on the frequency that is fed to them, and try to match whatever SWR they find on the antenna side to 50+j0 ohms as closely as they can. They couldn't care less how flat the SWR curve is... if you move frequencies and the complex impedance on the antenna end changes a lot, a little, or not at all, the tuner will still tune that complex impedance to 50+j0 ohms if it can. Sometimes it can't come close in which case it will give up after a while and report failure by blinking a bunch of LEDs on its front panel, or by some other means.

AB3NR>> "Some automatic ones can be heard 'hunting', trying combinations of L and C, as if they were carrying out an optimization algorithm; this is why they're 'slow the first time on a frequency, but afterwards have better starting points."

The better ones, or probably pretty much all of them by now, store matching settings in memory for each frequency tried, up to their memory capacity. You dial in a frequency and if that frequency (+/- some tolerance) has been successfully tried before, the tuner starts with the stored settings and if the match is close enough (usually <1.5:1 or <1.7:1), the tuner stops there. Otherwise it searches for a better match in the way that you describe.

AB3NR>> "if you can construct some graphs of SWR, R and X, vs frequency, from about 2MHz to 20Mhz, I think you'll see about what I did in the NEC2 model. The 269 can also be fed from a wall wart. 12V, I believe. (12 not 13.8, I mean.)"

The MFJ-269 is happy at anywhere from nominally +11 to +18 volts.

I didn't want to mess with wall warts, though. There are times when I'll be using this with no AC available. The battery box was $1.95+$4 s/h from MFJ so I just went with that.

Point taken about the possible RF burn hazard. We're running 100 watts, like most people who run mobile, and so far I haven't heard of anyone getting a burn from touching the body of a car with a mobile rig feeding a hamstick or screwdriver, but I can see how it would be possible. My guess (you're pushing the limits of what I know about this stuff) is that there is enough capacitive coupling to the ground to bleed off most of the RF voltage... which, again, points to this antenna acting more like a vertical with a poor ground than an OCF dipole.

Point also taken about taking the motorhome out of the picture and running a separate counterpoise. I could try that although it can't be done with the travel trailer without a lot of work (reason is beyond the scope of this discussion). I also have a different field antenna that is a dipole (can be configured as center fed or OCF) fed with window line and a balun, that I can use if there are enough support points. It could be used as an inverted V but the ends really do have to be high enough that no one can touch them... there is a very real and dangerous hazard of RF burns there especially if the antenna is near a half wavelength or odd multiple.

I have participated in ARES exercises from the local high school which has this big and beautiful flagpole in front, which isn't used on weekends... hoist the center of the inverted V up that flagpole and tie off the ends, and it works fantastic.

Rick WA1RKT

32659. Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 18:27:07 UTC
From: Bill
Topic: 32632 Message: 32659

Just as additional information

I have suffered thru HOA and Restrictive Covenants and used Attic antennas with decent results. A whole Big subject in itself.)

But that is not my reason for writing.

Be careful with a Flag Pole antenna. Only because some HOAs do not allow Real Flag Poles (antenna or not). They RESTRICT you to simple little short poles attached to the side of house or such.

So check your paperwork or ask .

Best of luck!

73
Bill
W4WCS

32660. Re: [ham-antennas] Best near-real-time propagation prediction/reporting services

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 19:50:23 UTC
From: k9jfk@...
Topic: 32656 Message: 32660

Hi...

Have you tried WSPR? I'm not a DX chaser, but it looks like a pretty neat page; you can select the time periods, bands, and frequencies. Just take a while to learn to manipulate the page so the information is useful to you.

Propagation Map | WSPRnet http://wsprnet.org/drupal/wsprnet/map

What is WSPR... find more info here.....

WSPR - Distant Whispers http://www.g4ilo.com/wspr.html

http://www.g4ilo.com/wspr.html

WSPR - Distant Whispers http://www.g4ilo.com/wspr.html An article describing WSPR, an application for receiving and transmitting low power beacon signals on the amateur radio short wave bands.

View on www.g4ilo.com http://www.g4ilo.com/wspr.html
Preview by Yahoo

73, Jimmie, K9JFK

32661. Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 22:33:10 UTC
From: mu0chn@...
Topic: 32395 Message: 32661

How about a tent pole, the type that you have to feed through the tent. It would also pack up quite small for storage. Get the longest one you can, tape some wire to it and a 9:1 un un earthed to the body and a tuner. It would need guying when using it as a vertical. I have a pole and the 9:1 un un but have just sold my van so not had the chance to try it out.

73 mu0chn Jes
EU-114
G0QRP 10080

32662. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 22:45:37 UTC
From: Jim Bennett
Topic: 32395 Message: 32662

When I go camping the mountains with my Elecraft KX3, I use a homebrew end-fed vertical, based on the plans at the EARS web site in Hawaii:

http://www.earchi.org/92011endfedfiles/Endfed6_40.pdf

The unun is simple to build, and this antenna works very well with my KX3 on 40-10.

My vertical support for it is a 28 foot long JacKite, web site is:

http://www.jackite.com/product_info.php?cPath=41_44&products_id=131

I use some velcro strapping to hold the bottom section against a fence post, car bumper, or whatever is handy. The end of the end-fed vertical is connected to the top of the fiberglass pole and the pole is extended. Works great, and stores down nicely into a four foot assembly. Feed line is RG-8X coax to the unun.

Worth considering.....

73, Jim / W6JHB

On Thursday, Jun 5, 2014, at Thursday, 3:33 PM, mu0chn@... [ham-antennas] wrote:

> How about a tent pole, the type that you have to feed through the tent. It would also pack up quite small for storage. Get the longest one you can, tape some wire to it and a 9:1 un un earthed to the body and a tuner. It would need guying when using it as a vertical. I have a pole and the 9:1 un un but have just sold my van so not had the chance to try it out.
>
>
> 73 mu0chn Jes
> EU-114
> G0QRP 10080
>
>

32663. Re: [ham-antennas] Re: Portable vertical HF antennas for RV, 18 ft or higher

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 22:47:09 UTC
From: Geoff NW7GM
Topic: 32395 Message: 32663

Mr Ralph, good to see you on this list.. Had no idea you were a member.

Geoff, NW7GM (ex N7PGN)
Seattle, WA
CN87tr
On Jun 1, 2014 11:42 PM, "n7kga@arrl.net [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Good morning, Rick;
>
> Bill has already suggested the Hustler-Newtronics 5BTV or 6BTV
> vertical antenna. I wish to supplement his recommendation.
>
> I also play on some of the other channels on 60 Meters besides the 5
> that are allocated to Ham Radio use.
>
> The 60 Meter Add On Kit available from DX-Engineering for the 5BTV
> and 6BTV does make them perform quite nicely on 60 Meters on the back of
> the motor home RV, but I will admit that it is mounted and used only when
> it is parked -- the 6BTV is about 28 feet long and the bottom mount is on a
> trailer hitch drawbar that goes into the 2 inch square tube receiver on the
> back of the motor home which is about two feet above the ground. Also, my
> main application with the vertical antenna is longer distance
> communications. Sometimes I need to talk to San Francisco or San Diego
> from here in the Pacific Northwest.
>
> For NVIS use there are some different dipole type antennas that go
> onto a balun attached to another coaxial cable on the back roof area, and
> that is what I use for shorter range NVIS communications. Usually they
> will tell me what channels they will be using to talk to me. And there are
> the auto antenna tuners if something comes up and we need to move anyway.
> So far I have met the specifications in functional communications quality.
>
> And the motor home with all of its appointments and accommodations
> has really made an effective independent mobile communications station. I
> can be on station for several days before I need to be resupplied. The
> radio equipment can go much longer than I can without being resupplied.
>
> Enjoy, and 73;
>
> Ralph, N7KGA
> Latte Land, Washington

>
>

32664. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-05 23:55:24 UTC
From: Original Woodchuck
Topic: 32619 Message: 32664

On Thu, Jun 05, 2014 at 11:16:08AM -0700, wa1rkt@... [ham-antennas] wrote:
> AB3NR>> "My thinking is that the tuner is looking for a local minimum in SWR, if the curve is flat it won't find it as quickly"
>
> That's not how autotuners work, at least none that I've ever used. They don't frequency-hop trying to find a minimum SWR... they work on the frequency that is fed to them, and try to match whatever SWR they find on the antenna side to 50+j0 ohms as closely as they can. They couldn't care less how flat the SWR curve is... if you move frequencies and the complex impedance on the antenna end changes a lot, a little, or not at all, the tuner will still tune that complex impedance to 50+j0 ohms if it can. Sometimes it can't come close in which case it will give up after a while and report failure by blinking a bunch of LEDs on its front panel, or by some other means.

I didn't mean that they varied f, f is fixed. What they vary is L and C. Then SWR is taken to be a cost function. The problem can be stated as "given f, find L and C such that SWR is a minimum." Sometimes there are two C's. Notice that this is problem has two variables and one answer, hence there is no unique solution.

I've never heard of an amateur grade autotuner that could measure impedance. Measuring SWR is easy. Measuring impedance is hard, especially at RF. (The Z values from the $300 MFJ bottom-barrel amateur grade meters can't even sense the sign of reactance. Amateur equipment, I believe, *calculates* Z from SWR using formulae that involve a square root or a square -- loosing sign information. I don't think you can do non-linear optimization of a function very reliably if there's sign ambiguity.

I perhaps misled with "flat". I was guesssing that flatness of SWR vs f implied flatness of SWR vs L and C.

> AB3NR>> "Some automatic ones can be heard 'hunting', trying combinations of L and C, as if they were carrying out an optimization algorithm; this is why they're 'slow the first time on a frequency, but afterwards have better starting points."
>
> The better ones, or probably pretty much all of them by now, store matching settings in memory for each frequency tried, up to their memory capacity. You dial in a frequency and if that frequency (+/- some tolerance) has been successfully tried before, the tuner starts with the stored settings and if the match is close enough (usually <1.5:1 or <1.7:1), the tuner stops there. Otherwise it searches for a better match in the way that you describe.

Yes. The long hunt is when the stored value fails.

> AB3NR>> "if you can construct some graphs of SWR, R and X, vs frequency, from about 2MHz to 20Mhz, I think you'll see about what I did in the NEC2 model. The 269 can also be fed from a wall wart. 12V, I believe. (12 not 13.8, I mean.)"

>
> The MFJ-269 is happy at anywhere from nominally +11 to +18 volts.

I know. I'm sorry. I thought you were eager.

> I didn't want to mess with wall warts, though. There are times when I'll be using this with no AC available. The battery box was $1.95+$4 s/h from MFJ so I just went with that.
>
> Point taken about the possible RF burn hazard. We're running 100 watts, like most people who run mobile, and so far I haven't heard of anyone getting a burn from touching the body of a car with a mobile rig feeding a hamstick or screwdriver, but I can see how it would be possible. My guess (you're pushing the limits of what I know about this stuff) is that there is enough capacitive coupling to the ground to bleed off most of the RF voltage... which, again, points to this antenna acting more like a vertical with a poor ground than an OCF dipole.

Most people don't key down a mobile when they see someone grabbing the bare metal car/truck body. Radials are buried or elevated above reach, insulated and tagged with hazard streamers. Operators inside the m.h. are probably immune, but RF is tricky stuff. (Fizzix class: "All charge and current is on the surface of a conductor.")

"Enough coupling to bleed off the RF", I think you are just hoping this is true. You're thinking of the RF as building up a static (DC) charge which then is a hazard. Static charges do not come from variable voltages. It is the instantaneous RF charge (voltage) that is the hazard, and that is renewed "frequently". The wind can generate the DC charge, (why parked aircraft, gasoline trucks and other things are grounded), but that's not the issue, I think.

To test this, I use a caged dipole whose lowest point is 1 foot above ground. (I.e. two 15 foot motor homes, one as each arm. Call it the "Airstream Special". Or "Errorstream Folly".) This antenna is resonant at about 11 MHz, at which point it has a gain of -3 dbi. This is similar to a wire dipole at 1.5m above ground. Is a 14 ga dipole at 1.5m safe to grab? (The Special is a viable antenna. Lousy, but it would work. This means there are reasonable currents, therefore reasonable voltages on it.)

Let me put it another way: construct a sheet of aluminum, fifteen feet in length and maybe ten feet wide. Put up a sign, "Baby Zapper", with a picture of a grinning clown and a kid bouncing on it like a trampoline, with lightning bolts surrounding it. Suspend the Al plane a foot above ground on rubber insulators. Connect 100W of RF to one edge of it, connect the other arm to a wire antenna. Your neighbor's three-year-old semi-moron child, its shoes and hands wet with a saline solution (sweat or "another bodily fluid", say), reaches out to the sheet of aluminum. "Bouncy Clown!" it gurgles. A personal injury lawyer is hiding in a blind, videotaping. A thought-balloon above his head features a new Porsche and a flashy girlfriend.

I confess the analysis is faulty, but it's not bizarrely wrong. I've
been only very sketchy with it. I can dump out the gory details of a
NEC run and get you the currents and voltages, if you want. I wish I
had a better model of the m.h., and I could make one if you want.

Caveat: I haven't gone the full route with NEC, tweaking segment sizes
and intersection angles and so on, I was just after qualitative results.

> I have participated in ARES exercises from the local high school which has this big and
beautiful flagpole in front, which isn't used on weekends... hoist the center of the
inverted V up that flagpole and tie off the ends, and it works fantastic.

I bet it does! I made a few runs with a conventional 40 m NVIS dipole
(at about 4 meters above ground) and the large trailer (30ft) nearby,
at varying distances from 10 m to having the dipole directly above the
vehicle, separation only about a meter. The vehicle was not connected
to RF nor was it grounded, just sitting there on tires. The NVIS dipole
functioned well. I was thinking there might be some director/reflector
action from the vehicle, but if there was, it was insignificant. Or I
didn't notice any.

Good luck with your project! (This has been good fun, BTW.)

> Rick WA1RKT

Dave AB3NR

32665. Cushcraft R6000 Radials

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 00:52:19 UTC
From: wcombs@...
Topic: 32665 Message: 32665

I am thinking about installing an R6000 on a mast so that it is just above my roof (ranch with low roof). I am wondering how hight above the roof shingles would the 7 rod radials need to be for proper operation?

Bill
W8BC

32666. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 04:29:23 UTC
From: Dave Patrick
Topic: 32632 Message: 32666

How about a Rybakov 806 antenna?

Dave G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: Chuck Schultz wq5b@... [ham-antennas]
Sent: 05/06/2014 00:41
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

I am not sure but I think you have lost all your work as you must start from scratch at the new location . Good luck Chuck Wq5B

On 6/4/2014 6:22 PM, Raymond Tompkins kq6x68@... [ham-antennas] wrote:

Good Afternoon Group,

I just moved into an area and I have virtually no space for a horizontal antenna and virtually no room for ground radials and a vertical antenna. To make matters worse, the antenna must be unobtrusive. I've heard about flagpole antennas and some mobile antennas that might work. Almost enough to make me a living silent key, hi hi.

I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I really, really, liked it. I realize the "new" antenna may not work across the full spectrum of all bands but if something from 10-40 would really be nice. I need just four States on 10 meters SSB to complete 5BWAS.

Any and all help very much appreciated as I have been diligently working the ARRL W1AW QSO Party and would like to get back into the action.

73, Raymond (KQ6X)

This email is free from viruses and malware because avast! Antivirus protection is active.

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration:

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32667. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 05:09:13 UTC
From: rolandbrade@...
Topic: 32632 Message: 32667

A very low cost but great performer would be the trap inverted L.
Use the dimensions for the W3DZZ and get the vertical section as high as possible.
If you get the vertical up to 30 foot the horizontal leg would only be 24 foot.
I've made one and mine is now up at 40 foot on the vertical. I have also added a 80 metre trap so that it covers all bands.
It is a great performer on ALL bands, even 6 metres.
It performs at least as well as my Butternut HF9V and cost a great deal less.
Roley G3VIR

32668. RE: [ham-antennas] Cushcraft R6000 Radials

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 07:34:35 UTC
From: Billy McFarland
Topic: 32665 Message: 32668

The annual swr results are taken with the antenna attached to a 8ft pole. The radials are a capacity hat no traditional radials so may work closer to the roof

73 Billy
GM0OBX
SKCC# 12202

32669. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 08:10:43 UTC
From: Dave Patrick
Topic: 32632 Message: 32669

An excellent recommendation if this antenna will fit into your garden.

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: rolandbrade@... [ham-antennas]
Sent: 06/06/2014 06:09
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

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Use the dimensions for the W3DZZ and get the vertical section as high as possible.

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32670. RE: [ham-antennas] Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 13:50:56 UTC
From: Scott Myers
Topic: 32643 Message: 32670

What you need is a DI box transformer. They are small. A Proco DBT-1 or a Jensen JT-TB-E will work. (There are others of course) Sounds like you need the Jensen for that high impedance, which is more money of course.

But honestly, it's not worth the hassle and $$ and your drive will be quite low. The results will be better to replace the mic with a Low-Z mic. If you like the mic body you have, simply replace the element.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, June 05, 2014 6:50 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Miss match

I looking for a high Z to low Z transformer for my microphone.

50,000 - 90,000 ohms to 600 ohms

My 10 AD won't work with my radios

Tube equipment to Transistor equipment

Small to put in the Base

Richard

32671. RE: [ham-antennas] Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 14:08:27 UTC
From: KB3YRC
Topic: 32643 Message: 32671

And get the same astatic quality changing the element

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 10:51 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Miss match

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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7628 - Release Date: 06/05/14

32672. Re: [ham-antennas] Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 15:31:05 UTC
From: Don Sanders
Topic: 32643 Message: 32672

Yes, Mouser sell a replacement cartridge hi impedance, or the electro mikes work very well. You will have to add a battery or take the voltage from the transmitter mike connector for the cartidge. I have two that I modified that use electro mike cartridges, one from an old computer and one from RAT Shack.

Don HC/W4BWS

On Fri, Jun 6, 2014 at 9:08 AM, 'KB3YRC' kb3yrc@comcast.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> And get the same astatic quality changing the element
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Friday, June 06, 2014 10:51 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* RE: [ham-antennas] Miss match
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>
>
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Dr. Don W4BWS

32673. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 17:38:14 UTC
From: wesley wilkinson
Topic: 32632 Message: 32673

Raymond, I am curious, what are the four states you need? Wesley w7wes

On Wednesday, June 4, 2014 5:22 PM, "Raymond Tompkins kq6x68@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Good Afternoon Group,
I just moved into an area and I have virtually no space for a horizontal antenna and virtually no room for ground radials and a vertical antenna. To make matters worse, the antenna must be unobtrusive. I've heard about flagpole antennas and some mobile antennas that might work. Almost enough to make me a living silent key, hi hi.
I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH and I really, really, liked it. I realize the "new" antenna may not work across the full spectrum of all bands but if something from 10-40 would really be nice. I need just four States on 10 meters SSB to complete 5BWAS.
Any and all help very much appreciated as I have been diligently working the ARRL W1AW QSO Party and would like to get back into the action.

73, Raymond (KQ6X)

32674. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 18:26:45 UTC
From: Original Woodchuck
Topic: 32632 Message: 32674

On Fri, Jun 06, 2014 at 10:38:14AM -0700, wesley wilkinson w7wes@... [ham-antennas] wrote:
> Raymond,? I am curious, what are the four states you need?? Wesley w7wes
>

!!! That's a great question! In other words, does Raymond need DX or short range? Maybe a subtle directional antenna, say a wire Yagi or little array of verticals on 10m? A closed-spaced wire Yagi on 10m is only about about 15 ft (5m) wide, can be fairly low to the ground, can be made out of wire or even 4 telescoping whips.

Monobanders are so much easier to specify and to hide. A 10m 1/4 wave vertical, with elevated radials is eightish feet high (8+elevation), and eightish in radius of its footprint. But elevated radials can be shortened by loading them! While 10' is normal for elevation, 2' works, too. One insulates the radials and perhaps slacks them when not in use.

Anyhow, you took the question right out of my mouth!

Dave AB3NR

> On Wednesday, June 4, 2014 5:22 PM, "Raymond Tompkins kq6x68@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>
> 73, Raymond (KQ6X)?
>
>

32675. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-06 23:35:16 UTC
From: Raymond Tompkins
Topic: 32632 Message: 32675

Hi Wes,
All on 10 meters SSB and three very close. Oregon, Nevada, and Montana. And the always illusive Delaware. I've tried skeds with Oregon but no luck.

73, Raymond (KQ6X)

On Friday, June 6, 2014 11:26 AM, "Original Woodchuck marmota@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On Fri, Jun 06, 2014 at 10:38:14AM -0700, wesley wilkinson w7wes@... [ham-antennas] wrote:
> Raymond, I am curious, what are the four states you need? Wesley w7wes
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> 73, Raymond (KQ6X)
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>

32676. Re: Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-07 12:06:18 UTC
From: radiomanL
Topic: 32643 Message: 32676

Heil Sound has the XT-1 . on their site select products/parts and scroll down until you find the photo . is small enough to fit almost anywhere .

andrew
kd5pnt

32677. Carolina Windom configuration

Yahoo group: ham-antennas (2014)
Date: 2014-06-07 14:19:04 UTC
From: W1RAM@...
Topic: 32677 Message: 32677

I have an Off Center Fed Carolina Windom for 160-10M that is approx. 260 feet long and which I am trying to fit on to my property. Because of the considerable effort required to get this antenna up over a number of trees, I need to find out ahead of time the pros and cons of several configurations, all of which will require my bending or drooping the wires in a certain direction. Here are two layouts and I'd like to know what will happen to the radiation pattern in each, especially on the higher bands.

1) Keep the antenna wires essentially horizontal and have the final 30-40 feet of the long leg (175 ft.) do a dogleg at about a 45º angle.

2) Keep the antenna wires essentially horizontal except that the final 30-40 feet of the long wire will slope downward so that the end insulator is about 8 feet off the ground.

The feed point will be about 50 feet above ground and the wires will average around 35 feet above ground. Will the radiation patterns on 160-10M be noticeably different in #1 or #2 as compared to a normal OCF antenna that runs in a straight line? I hope someone out there can help me out. Thanks!

Bob W1RAM

32678. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-07 14:44:47 UTC
From: Original Woodchuck
Topic: 32632 Message: 32678

On Fri, Jun 06, 2014 at 04:35:16PM -0700, Raymond Tompkins kq6x68@... [ham-antennas] wrote:
> Hi Wes,
> All on 10 meters SSB and three very close.? Oregon, Nevada, and Montana.? And the always illusive Delaware.? I've tried skeds with Oregon but no luck.?
>
> 73, Raymond (KQ6X)

Ray,

I assume you're at the P.P. address given on QRZ. I see your problems and they are made of rocks. Nevada should be easy enough, at least the Reno area. Oregon and Montana, well, that's some pretty rough country between you and them. I'm thinking you're in a valley and the issue will be getting a takeoff angle low enough to reflect from F2, but high enough to clear the mountains. Delaware, well that's going to be hard. (Easy for me (Pennsylvania), hah hah!) Compounding things are the relatively low ham population of DE and MT. My rough guess says it might be easier to work Australia or S. Asia than Montana or Delaware. All that saltwater!

So I'd suggest that the first accessory you need is a Jeep or equivalent. If there is a road up to one of the ridges that seem to run E-W to the north or south of your QTH? If so, then I'd take a tripod+mast up there, and some kind of light weight antenna, preferably one with some gain. (A vertical, like a vertical dipole [no radials] might be your best shot at Delaware. There's a lake S of you, maybe the west coast of that lake might be a good launch site for a vertical to Delaware.) I know it's not PA out there; here sometimes a road runs along the top of ridges; in the Rockies, not so much! But just getting to the S side of your valley, and anywhere up the face of that ridge (if I can read the map) would give you a fair shot at OR and MT, and fish-in-a-barrel at Reno. Going up the S side of the ridge N of you gives you Las Vegas. It might be fun to scout out locations with just a receiver and a whip.

For Oregon and Montana, it might be fun to make and deploy a Moxon directional beam. This is basically a 2-element Yagi, with the ends of the two elements bent in towards each other, almost meeting. There's a program by W4RNL, Cebik (SK) out on the net, easily found, to design them. (Or ask me, and I'll run it. I translated it to C for *n*x.)

Also an option would be a Hentenna, a design out of Japan, which has +/- the characteristics of a dipole, but is vertically oriented (hence easily suspended from a portable mast). There are websites about these, too.

Both Moxon and Hentenna can be cobbled out of wire and some PVC (etc) spacers. The Moxon on 10m has a footprint of 12 ft x 5 ft, +/-, ~11 dbi gain. I'm pitching the Moxon because it's about as good as a regular two

element Yagi on gain, doesn't need an exotic balun or matching network, and is fairly compact and can be light weight.

If you can "portatate" a 25 ft mast to a better site, I think you'd be in business. Even 15 ft would serve for a Moxon.

A third possibility is a portable quad loop. Two 2.5 meter PVC spacers, a mast, maybe a 2:1 balun and you're on the air.

All this assumes the alternate locations are within your certificate's allowed radius. My suggestions are for temporary setups to get the award, then worry about permanent antenna(s) at your base station.

73

Dave AB3NR

32679. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-07 23:40:57 UTC
From: email4utoo@...
Topic: 32632 Message: 32679

Raymond, do you try to check in on the 10-10 net ? i have listened and they have some checkins from all over , just wondered , also has state groups on their site to follow . Good Luck on WAS , AJ W5heh , N AR

32680. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 00:02:32 UTC
From: Robert Garland
Topic: 32632 Message: 32680

KQ6X:

It looks like you may be out of luck with the 135-foot trap antenna, but tells us more about the location. Type of building (single family, multi-family, one story, two or more stories, material (wood, masonry, metal siding or non-metal siding), whether you have an attic and access to it, etc. There are a lot of tricks that can be used to have a working station, but we will just be guessing without knowing the situation.

Robert, NX3S

On Wed, June 4, 2014 11:42 pm, Chuck Schultz wq5b@...
[ham-antennas] wrote:
> I am not sure but I think you have lost all your work as you must start
> from scratch at the new location . Good luck Chuck Wq5B
> On 6/4/2014 6:22 PM, Raymond Tompkins kq6x68@... [ham-antennas]
> wrote:
>> Good Afternoon Group,
>> I just moved into an area and I have virtually no space for a
>> horizontal antenna and virtually no room for ground radials and a
>> vertical antenna. To make matters worse, the antenna must be
>> unobtrusive. I've heard about flagpole antennas and some mobile
>> antennas that might work. Almost enough to make me a living silent
>> key, hi hi.
>> I had a Spi-Ro 10-80 meter135 foot trap antenna at the previous QTH
>> and I really, really, liked it. I realize the "new" antenna may not
>> work across the full spectrum of all bands but if something from 10-40
>> would really be nice. I need just four States on 10 meters SSB to
>> complete 5BWAS.
>> Any and all help very much appreciated as I have been diligently
>> working the ARRL W1AW QSO Party and would like to get back into the
>> action.
>>
>> 73, Raymond (KQ6X)
>>
>
>
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
>

--

32681. Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 02:07:38 UTC
From: w6jhb@...
Topic: 32632 Message: 32681

Raymond,

By now I "assume" that you've looked into the WAS/5BWAS rules and found the there is a 50 mile limit on where you work your stations from. I got shafted by that rule when I retired. Had been living in Martinez (SF East Bay) for 17+ years and was close to 5BWAS. I retired in 2007 and in 2010 we moved to Folsom. That's about 85 miles. Ouch. Started all over on 5BWAS.

We live in an area where no ham antennas are allowed. Hahaha… No one can see them, as I've got 'em strung through the redwoods and liquid amber trees. I have a 45-foot high, 88-foot long doublet (450 ohm feeder) for 40-6 meters, Inverted L's for 80 and 160 meters, and just last month built and installed a ¼ wave 30 meter ground mounted vertical. The vertical is made out of aluminum tubing and I spray painted it with green and black camo paint from Ace. With this antenna setup I was able to complete my 5BWAS back in March of this year. The New England states were tough on 80. The close-in states were tough on 15 and 10, as you are finding out.

What helped me a LOT was participating in the ARRL Sweepstakes contest (looking for states, not to win an award!), the North America QSO Parties, and the K3UK QSO Sked web page. That last one really made it happen as far as finding guys in Utah, Idaho, Nevada, and Oregon.

Hope that helps - 73, Jim / W6JHB

32682. Re: [ham-antennas] Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 02:30:37 UTC
From: KA4INM radio
Topic: 32632 Message: 32682

On 06/07/14 22:07, w6jhb@... [ham-antennas] wrote:

> What helped me a LOT was participating in the ARRL Sweepstakes contest
> (looking for states, not to win an award!), the North America QSO
> Parties, and the K3UK QSO Sked web page. That last one really made it
> happen as far as finding guys in Utah, Idaho, Nevada, and Oregon.

It is only 23 hours, but the ARRL "field day*" is an opportunity to
locate station's *location* without calling CQ and there are probably
more stations on the air at one time than any other day of the year.
And most stations have competent operators.
* the first full weekend in June every year.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32683. RE: [ham-antennas] Re: Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 10:58:30 UTC
From: KB3YRC
Topic: 32643 Message: 32683

I went and purchased a transformer 250 - 50K, Tried to put it in the base
but no luck.

Balanced over non balanced audio. Mic is 3 wire radio is 4 wire.

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, June 07, 2014 9:06 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Miss match

Heil Sound has the XT-1 . on their site select products/parts and scroll
down until you find the photo . is small enough to fit almost anywhere .

andrew

kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7635 - Release Date: 06/06/14

32684. Re: [ham-antennas] Re: Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 11:14:07 UTC
From: KA4INM radio
Topic: 32643 Message: 32684

On 06/08/14 06:58, Richard 'KB3YRC':

> I went and purchased a transformer 250 ? 50K, Tried to put it in the
> base but no luck.

> Balanced over non balanced audio. Mic is 3 wire radio is 4 wire.

You didn't completely explain which way things are going, but if the
MIC is 250 Ohms, put the transformer in the transceiver.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

32685. RE: [ham-antennas] Re: Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 11:07:29 UTC
From: KB3YRC
Topic: 32643 Message: 32685

I have a 10 D and an Icom 735 I trying to match
I purchased a transformer 250 -50 K ohms

Let me tri rewiring it Thanks

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 08, 2014 8:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Miss match

On 06/08/14 06:58, Richard 'KB3YRC':

> I went and purchased a transformer 250 - 50K, Tried to put it in the
> base but no luck.

> Balanced over non balanced audio. Mic is 3 wire radio is 4 wire.

You didn't completely explain which way things are going, but if the
MIC is 250 Ohms, put the transformer in the transceiver.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

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to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7639 - Release Date: 06/07/14

32686. Re: [ham-antennas] Re: Miss match

Yahoo group: ham-antennas (2014)
Date: 2014-06-08 14:53:16 UTC
From: Andy
Topic: 32643 Message: 32686

Andrew KB3YRC wrote:

"I went and purchased a transformer 250 – 50K, Tried to put it in the base but no luck."

It should have worked, if the mic works and the radio works and you wired it up right. I think it was a hi-Z mic, going into a low-Z input on the radio, right? Make sure you have it wired that way.

"Balanced over non balanced audio."

There are probably no balanced audio lines here, so I don't understand that comment.

"Mic is 3 wire radio is 4 wire."

The number of wires is most likely irrelevant. Both the mic and the radio probably use only 2 wires for the mic element. The other wires may be for PTT, and either unused or something else. You need to know which wires you are hooking it up to. It's not a matter of "try these and hope it works".

Regards,
Andy

32687. Re: AW: [ham-antennas] Delta Loop Modeling Help

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 07:55:14 UTC
From: mikerodgerske5gbc@...
Topic: 32626 Message: 32687

If its horizontal with all attachment points 20-25', raising it won't help 80 much unless you raise it really high.

It will be a cloud burner on 80, a little better on 40.

The third and fourth harmonic will look the best so 20 will be a cloverleaf pattern. Elevation angle about 35°.

This based on my printed plots of my 323' loop at 20'. I have plots for 50' as well.

15m pretty decent pattern, el 25°. At 15m and really even at 20m its starting to have pretty significant nulls and peaks. Higher in frequency, the lower the elevation take off angle and the more peaks and valleys (nulls).

It's a pretty good all band antenna.
I use a manual tuner. 6-80.

I won't be getting rid of it but my quiet vertical has a better s/n ratio on some bands 10&20 come to mind.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32688. Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 08:07:59 UTC
From: mikerodgerske5gbc@...
Topic: 32632 Message: 32688

My thoughts are:

Hy gain patriot series like AV-640

Antron 99

End fed 31' wire with 9:1 Balun with counterpoise or like the EARC sell with the coax as counterpoise for 6-40.

Some use the end fed and counterpoise with a SGC remote tuner.

I have one of the EARC 6-40 units but have not tested it fully. 3:1 swr or less on 6-40 100w. I think $50 delivered us mail 50 states. A little more noisy than my big Hy gain HyTower vertical.
Impressive for something you can put up in 30min or less.

Keep brainstorming, where there's a will, there's a way.

I've heard a couple stations using screwdrivers in the flower bed with radials.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32689. Re: Best near-real-time propagation prediction/reporting services

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 08:16:02 UTC
From: mikerodgerske5gbc@...
Topic: 32656 Message: 32689

How well it works, I don't know but I've been looking at a cluster site called DX heat. It attempts to use spots from previous hour to show bands/continents.

I've been looking at it in the afternoons to get a idea about 10m when I'm not home.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32690. RE: [ham-antennas] Re: Best near-real-time propagation prediction/reporting services

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 09:06:37 UTC
From: KB3YRC
Topic: 32656 Message: 32690

http://www.dxsummit.fi/CustomFilter.aspx

https://dxheat.com/dxc/

I had a better one but lost it

Opera works well

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 09, 2014 5:16 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Best near-real-time propagation prediction/reporting services

How well it works, I don't know but I've been looking at a cluster site called DX heat. It attempts to use spots from previous hour to show bands/continents.

I've been looking at it in the afternoons to get a idea about 10m when I'm not home.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7641 - Release Date: 06/08/14

[Non-text portions of this message have been removed]

32691. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 20:42:42 UTC
From: jim burns
Topic: 32632 Message: 32691

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

--.-,-.--

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/32673;_ylc=X3oDMTJyZmhpcmRnBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjY3MwRzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE0MDIwNzYyOTU-?act=reply&messageNum=32673> Reply via web post

<mailto:w7wes@...?subject=Re%3A%20%5Bham-antennas%5D%20Vertical%20Antenna%20in%20Limited%20Area> Reply to sender

☐

<mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20%5Bham-antennas%5D%20Vertical%20Antenna%20in%20Limited%20Area> Reply to group

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<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/newtopic;_ylc=X3oDMTJmcWQ4dWplBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE0MDIwNzYyOTU-> Start a New Topic

☐

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/32632;_ylc=X3oDMTM3cDRpOTBiBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjY3MwRzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE0MDIwNzYyOTUEdHBjSWQDMzI2MzI-> Messages in this topic (13)

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<https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJmZ25pczMzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDIwNzYyOTU-> Visit Your Group

*
<https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnbXVhZGYwBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyMDc2Mjk1> New Members 10

<https://groups.yahoo.com/neo;_ylc=X3oDMTJlZ2gxaTJ1BF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwMjA3NjI5NQ--> Yahoo! Groups

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<http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/msgId=32673/stime=1402076295>

<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322279&js=no&resp=img>

32692. Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 20:42:50 UTC
From: rob@...
Topic: 32692 Message: 32692

I built a 4-element Yagi (dipole driven element, 1/2 wavelength coax balon so the two sides are fed 180 degrees out of phase). When I put an MFJ259B on it, even with the reflector and directors removed, I couldn't find an SWR below about 1.9 anywhere near its nominal resonant frequency. The DEs are 6mm aluminum clamped w/5/16" screws into butt connectors soldered to 1/2" wide strips of brass and glued to a piece of plexiglass in the 1-14" PVC boom. Feed line is LMR240. The brass strips on each side are separated by about 1/4".

I tested it a few weeks ago and got very promising results. Going into a canyon, it gave a much better FM signal than an X50 mounted about 25' higher. I thought I was good to go. Not so much.

I took it out yesterday for a public service event, and found that of two HTs that I took, only one (Wouxun UVD1-P) would work. The Yaesu VX-6R wouldn't, and I assume it was balking at an SWR around 2.0. I'll be setting it up and testing on both radios while dropping power, removing the balun, various elements, etc. but don't expect to learn much, other than the VX-6 isn't happy.

Any ideas out there why a simple dipole wouldn't have a clear resonance point with low SWR? I'll try to get some pictures up in the files section.

Thanks,
Rob K6RGI

32693. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 21:56:10 UTC
From: Don Sanders
Topic: 32632 Message: 32693

Good idea on the plumb line. I have used a large metal Nut and a wrench
also as a drop weight.
"nose cone" idea would work for them also.

Don W4BWS

On Mon, Jun 9, 2014 at 3:42 PM, 'jim burns' jfburns@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6
> lb. test mono line into a very good tree limb in my back yard at about 50
> feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by
> Eagle Claw (available at Walmart). My question is how UV resistant is the
> 80 lb. clear Eagle Claw line? How will it hold up to the weather and
> abrasion? I can't find detailed info on the web. Good news is that it is
> nearly invisible against the sky and I may try to mist a little spray paint
> on it to cover the sheen. Anyone try this?
>
> The slingshot took about 6 or 7 tries to get the limb I wanted and then
> after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks
> from Lowes), pulled that all the way up to the limb, then lowered it so it
> would come straight down and not over other limbs. Pulling the plumb
> weight up I noticed it tended to catch on the bottom of limbs as it rose
> because the top of the plumb is not tapered, so I came up with a fix; I
> took a dried out marking pin and cut off about 1 inch of the rounded tip at
> the rear of the pen and drilled a hole in the middle of the tip large
> enough to pass the line through. I removed the line from the plumb, ran it
> through the tip of the pin body and reattached it to the plumb with the
> tapered end of the pen body facing up. This formed a "nose cone" on top
> of the plumb and it was easily pulled up through the limbs without catching
> any. You can repeat this process for the other end of the line so your
> line is only over the one branch at the top with both ends of your line
> coming straight down. I my case it makes hiding the line against the trunk
> very easy.
>
> Any help on the line specs and any suggestions for better line from you
> antennas guys or anglers is appreciated.
>
> Jim, WB4ILP
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>
>
> ----------

>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Friday, June 06, 2014 1:38 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Vertical Antenna in Limited Area
>
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Dr. Don W4BWS

32694. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 22:57:09 UTC
From: wa1rkt@...
Topic: 32619 Message: 32694

OK, here are some results of some measurements I took with an MFJ-269 analyzer (the old one).

Antennas connected from the top rear roof of the 23-foot motorhome to a tree out in the yard, sloping upwards to a height of around 25-30 feet.

Antenna 1: 32.5 ft
Freq 4 MHz, R=2, X=92, SWR=>31
Freq 5 MHz, R=7, X=53, SWR=15.1
Freq 6 MHz, R=21, X=26, SWR=3.0
Freq 7 MHz, R=108, X=54, SWR=2.7
Freq 8 MHz, R=19, X=83, SWR=10.9
Freq 9 MHz, R=8, X=57, SWR=16.7
Freq 10 MHz, R=5, X=42, SWR=20.8
Freq 12 MHz, R=4, X=23, SWR=20.3
Freq 14 MHz, R=4, X=9, SWR=17.1
Freq 16 MHz, R=4, X=0, SWR=12.0
Freq 18 MHz, R=10, X=14, SWR=5.6
Freq 20 MHz, R=17, X=12, SWR=3.1
SWR dips:
6.572 MHz (1.1)
19.75 MHz (2.9)
33.94 MHz (2.1)

Antenna 2: 50 ft
Freq 3 MHz, R=3, X=113, SWR=>31
Freq 4 MHz, R=15, X=47, SWR=6.6
Freq 5 MHz, R=151, X=151, SWR=5.9
Freq 6 MHz, R=16, X=117, SWR=19.8
Freq 7 MHz, R=4, X=77, SWR=>31
Freq 8 MHz, R=2, X=57, SWR=>31
Freq 9 MHz, R=2, X=43, SWR=>31
Freq 10 MHz, R=3, X=32, SWR=>31
Freq 12 MHz, R=7, X=11, SWR=8.3
Freq 14 MHz, R=23, X=15, SWR=2.9
Freq 16 MHz, R=6, X=4, SWR=10.4
Freq 18 MHz, R=3, X=7, SWR=17.0
Freq 20 MHz, R=3, X=23, SWR=16.0
SWR dips:
4.554 MHz (1.1)
13.426 MHz (2.1
22.930 MHz (2.6)
31.793 MHz (2.0)

For the record, these readings are miles and miles away from the modeling I did.

Someone said I needed a 9:1 unun, but that doesn't look like it'll do any good... maybe a 1:9 or a 1:4...

Rick WA1RKT

32695. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 23:47:46 UTC
From: rolandbrade@...
Topic: 32619 Message: 32695

Rick
Why don't you turn that antenna into a trap inverted L?
Use the dimensions for half a W3DZZ which will make a total length of 54 foot.
You can feed it with 50 ohms at the bottom of the vertical. put the trap in at about 32.4 feet . Even if the vertical leg is only 20 foot or so I think you will find it works pretty well and you will get good SWR on all bands.
I have been making one here. started off with the vertical section at about 22 foot but now I have it up at40 foot and I have also put a 80 metre trap in to cover 160 metres.
On the higher bands you will get some gain too!
73 Roley G3VIR

---In ham-antennas@, <wa1rkt@...> wrote :

OK, here are some results of some measurements I took with an MFJ-269 analyzer (the old one).

Antennas connected from the top rear roof of the 23-foot motorhome to a tree out in the yard, sloping upwards to a height of around 25-30 feet.

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Freq 7 MHz, R=108, X=54, SWR=2.7
Freq 8 MHz, R=19, X=83, SWR=10.9
Freq 9 MHz, R=8, X=57, SWR=16.7
Freq 10 MHz, R=5, X=42, SWR=20.8
Freq 12 MHz, R=4, X=23, SWR=20.3
Freq 14 MHz, R=4, X=9, SWR=17.1
Freq 16 MHz, R=4, X=0, SWR=12.0
Freq 18 MHz, R=10, X=14, SWR=5.6
Freq 20 MHz, R=17, X=12, SWR=3.1
SWR dips:
6.572 MHz (1.1)
19.75 MHz (2.9)
33.94 MHz (2.1)

Antenna 2: 50 ft
Freq 3 MHz, R=3, X=113, SWR=>31
Freq 4 MHz, R=15, X=47, SWR=6.6
Freq 5 MHz, R=151, X=151, SWR=5.9
Freq 6 MHz, R=16, X=117, SWR=19.8
Freq 7 MHz, R=4, X=77, SWR=>31
Freq 8 MHz, R=2, X=57, SWR=>31
Freq 9 MHz, R=2, X=43, SWR=>31
Freq 10 MHz, R=3, X=32, SWR=>31

Freq 12 MHz, R=7, X=11, SWR=8.3
Freq 14 MHz, R=23, X=15, SWR=2.9
Freq 16 MHz, R=6, X=4, SWR=10.4
Freq 18 MHz, R=3, X=7, SWR=17.0
Freq 20 MHz, R=3, X=23, SWR=16.0
SWR dips:
4.554 MHz (1.1)
13.426 MHz (2.1
22.930 MHz (2.6)
31.793 MHz (2.0)

For the record, these readings are miles and miles away from the modeling I did.

Someone said I needed a 9:1 unun, but that doesn't look like it'll do any good... maybe a 1:9 or a 1:4...

Rick WA1RKT

32696. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-09 23:57:40 UTC
From: Stan Labinsky Jr.
Topic: 32632 Message: 32696

Well Jim, I used to use similar line, first to support a 5/8ths wavelength CB vertical (the roof of my mobile home was the ground plane). Later used that same 23 foot vertical wire as my Novice antenna with a pi section tuner in the shack.

The line held up well for more than a year between replacements. That in a mobile home park that did NOT allow antennas. Just needed a nice line of ash trees on the lot.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, June 09, 2014 4:42 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

32697. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 00:17:20 UTC
From: wa1rkt@...
Topic: 32619 Message: 32697

G3VIR>> "Why don't you turn that antenna into a trap inverted L?"

Good evening, Roley.

Mostly because it's not intended only for the ham bands. It's also (one might say primarily) intended for use on CAP and MARS frequencies, some of which are a fair distance from the nearest ham band.

Rick WA1RKT

32698. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 02:16:01 UTC
From: Original Woodchuck
Topic: 32619 Message: 32698

On Mon, Jun 09, 2014 at 03:57:09PM -0700, wa1rkt@... [ham-antennas] wrote:
> OK, here are some results of some measurements I took with an MFJ-269 analyzer (the old one).
>
> Antennas connected from the top rear roof of the 23-foot motorhome to a tree out in the yard, sloping upwards to a height of around 25-30 feet.
>
> Antenna 1: 32.5 ft
> Freq 4 MHz, R=2, X=92, SWR=>31
> Freq 5 MHz, R=7, X=53, SWR=15.1
> Freq 6 MHz, R=21, X=26, SWR=3.0
> Freq 7 MHz, R=108, X=54, SWR=2.7
> Freq 8 MHz, R=19, X=83, SWR=10.9
> Freq 9 MHz, R=8, X=57, SWR=16.7
> Freq 10 MHz, R=5, X=42, SWR=20.8
> Freq 12 MHz, R=4, X=23, SWR=20.3
> Freq 14 MHz, R=4, X=9, SWR=17.1
> Freq 16 MHz, R=4, X=0, SWR=12.0
> Freq 18 MHz, R=10, X=14, SWR=5.6
> Freq 20 MHz, R=17, X=12, SWR=3.1
> SWR dips:
> 6.572 MHz (1.1)
> 19.75 MHz (2.9)
> 33.94 MHz (2.1)

I used 33 ft for the wire length.

dips:

6.97 MHz, R = 50 SWR=1
22.5 MHz, R = 108, SWR = 2.24
~30 Mhz, not reliable. The m.h. had hefty currents here.

> Antenna 2: 50 ft
> Freq 3 MHz, R=3, X=113, SWR=>31
> Freq 4 MHz, R=15, X=47, SWR=6.6
> Freq 5 MHz, R=151, X=151, SWR=5.9
> Freq 6 MHz, R=16, X=117, SWR=19.8
> Freq 7 MHz, R=4, X=77, SWR=>31
> Freq 8 MHz, R=2, X=57, SWR=>31
> Freq 9 MHz, R=2, X=43, SWR=>31
> Freq 10 MHz, R=3, X=32, SWR=>31
> Freq 12 MHz, R=7, X=11, SWR=8.3
> Freq 14 MHz, R=23, X=15, SWR=2.9
> Freq 16 MHz, R=6, X=4, SWR=10.4
> Freq 18 MHz, R=3, X=7, SWR=17.0

> Freq 20 MHz, R=3, X=23, SWR=16.0
> SWR dips:
> 4.554 MHz (1.1)
> 13.426 MHz (2.1
> 22.930 MHz (2.6)
> 31.793 MHz (2.0)

4.9 MHz, R = 40, VSWR=1.3
13.24 MHz, R = 220, VSWR=4.5 !Both this and the 16.9MHz resonance
16.9 MHz, R = 220, VSWR=4.5 !involved big currents in motorhome
23.7 MHz, R = 137, VSWR=2.8 !some currents in mh.
30 MHz, did not simulate (lazy)

As for the measured Zs, I have no agreement with them. For example, in the 50ft case, I have R~200-500 between 14 and 16MHz. The X values have not much agreement at all. (Ignoring sign, of course).

The moral may be that an MFJ analyzer is not very reliable for measuring Z, i.e. it is not a $10K vector network analyzer.

And my model of the m.h. is weak and may even suck.

** Conclusion from my modelling, the m.h. is definitely involved.

> For the record, these readings are miles and miles away from the modeling I did.
>
> Someone said I needed a 9:1 unun, but that doesn't look like it'll do any good... maybe a 1:9 or a 1:4...
>
> Rick WA1RKT

Maybe I'll try to cobble a new m.h. model.

I think the MFJ VSWR may be reliable, but the Z is not. (I have a 259B and am wondering about it now. I don't have any standards to calibrate it or even get confident in it. I suppose some lengths of coax or even some R's and C's soldered into a 239 plug might be handy.)

I'd give the 33 ft wire a smoke test on 40m.

Dave AB3NR

32699. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 02:54:40 UTC
From: wa1rkt@...
Topic: 32619 Message: 32699

AB3NR>> "The moral may be that an MFJ analyzer is not very reliable for measuring Z, i.e. it is not a $10K vector network analyzer."

How confident are you that the modeling software is accurate? I'm not referring to the motorhome model, which may or may not be accurate, but the modeling software itself?

I'm no fan of MFJ but their antenna analyzers do seem to have a reasonably good reputation from the things I've read. I can certainly accept their measurements to be off by 10 or 20 percent but not by 100 percent or more. I would think that owners would be squawking all over the review sites if that happened and I haven't seen that.

Rick WA1RKT

32700. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 03:26:48 UTC
From: jim burns
Topic: 32632 Message: 32700

Thanks Don ! I feel the $8 bucks for the plumb bob was a good investment as I have at least 2 trees that show potential to be my version of a Rohn tower. The plumb bob has a pointed bottom and enough weight to slip easily through limbs on it's way down and the nose cone helps on the way up. In my previous QTH's I had to get by with antennas at 15' or so but they did work. 50 feet to me is like the summit of Everest.

I would like to tell others in the group that antennas at low altitude do work and you can make lots of contacts. In my job at Alpha Delta I speak with customers who think they can't enjoy our hobby because they can't get an antenna up at 35'. Height is good but low antennas can give you lots of ham radio excitement.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 09, 2014 5:56 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Good idea on the plumb line. I have used a large metal Nut and a wrench also as a drop weight.

"nose cone" idea would work for them also.

Don W4BWS

On Mon, Jun 9, 2014 at 3:42 PM, 'jim burns' jfburns@windstream.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried

out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

--
Dr. Don W4BWS

32701. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 03:59:48 UTC
From: Don Sanders
Topic: 32632 Message: 32701

Oh yes, they do work. But like you say higher the better. I lived in
Florida beach community for 40 years with no high trees.
Vertical monopoles worked well, as did slopers from ground to top of a pole
mounted on the roof.
Actually a 20 foot pole on the roof with 3 wires down to the ground to
simulate a tower and the coax run to the top of the pole. I made a W9INN
sloper with 40 meter main, coil and wire for 80 and coil and wire for 160.
I had a 20 meter wire also but at 90 degrees. With 100 watts and a small
homebrew tuner I worked WAS and WAC on 80, 40, 20.
Here in Ecuador we also have few high trees on the coast. But we have 10 to
12 meter bamboo poles that cost $7 each. So my fan dipole 40 to 15 is up 35
feet on top of a small hill which put it abut 100 foot above surrounding
land. Half mile from Pacific beach and surrounded by large shrimp ponds,
the ground is very reflective, WET. So I get good reports from my 100 watts
and when propagation is good from the QRP rigs.

Don HC/W4BWS

On Mon, Jun 9, 2014 at 10:26 PM, 'jim burns' jfburns@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Thanks Don ! I feel the $8 bucks for the plumb bob was a good
> investment as I have at least 2 trees that show potential to be my version
> of a Rohn tower. The plumb bob has a pointed bottom and enough weight to
> slip easily through limbs on it's way down and the nose cone helps on the
> way up. In my previous QTH's I had to get by with antennas at 15' or so
> but they did work. 50 feet to me is like the summit of Everest.
>
> I would like to tell others in the group that antennas at low altitude do
> work and you can make lots of contacts. In my job at Alpha Delta I speak
> with customers who think they can't enjoy our hobby because they can't get
> an antenna up at 35'. Height is good but low antennas can give you lots of
> ham radio excitement.
>
> Jim, WB4ILP
> ----------
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Monday, June 09, 2014 5:56 PM
>
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Vertical Antenna in Limited Area
>

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>
>
>
> Good idea on the plumb line. I have used a large metal Nut and a wrench
> also as a drop weight.
>
> "nose cone" idea would work for them also.
>
>
>
> Don W4BWS
>
>
>
> On Mon, Jun 9, 2014 at 3:42 PM, 'jim burns' jfburns@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6
> lb. test mono line into a very good tree limb in my back yard at about 50
> feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by
> Eagle Claw (available at Walmart). My question is how UV resistant is the
> 80 lb. clear Eagle Claw line? How will it hold up to the weather and
> abrasion? I can't find detailed info on the web. Good news is that it is
> nearly invisible against the sky and I may try to mist a little spray paint
> on it to cover the sheen. Anyone try this?
>
> The slingshot took about 6 or 7 tries to get the limb I wanted and then
> after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks
> from Lowes), pulled that all the way up to the limb, then lowered it so it
> would come straight down and not over other limbs. Pulling the plumb
> weight up I noticed it tended to catch on the bottom of limbs as it rose
> because the top of the plumb is not tapered, so I came up with a fix; I
> took a dried out marking pin and cut off about 1 inch of the rounded tip at
> the rear of the pen and drilled a hole in the middle of the tip large
> enough to pass the line through. I removed the line from the plumb, ran it
> through the tip of the pin body and reattached it to the plumb with the
> tapered end of the pen body facing up. This formed a "nose cone" on top
> of the plumb and it was easily pulled up through the limbs without catching
> any. You can repeat this process for the other end of the line so your
> line is only over the one branch at the top with both ends of your line
> coming straight down. I my case it makes hiding the line against the trunk
> very easy.
>
> Any help on the line specs and any suggestions for better line from you
> antennas guys or anglers is appreciated.
>
> Jim, WB4ILP

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> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Friday, June 06, 2014 1:38 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Vertical Antenna in Limited Area
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> Dr. Don W4BWS
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Dr. Don W4BWS

32702. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 04:46:26 UTC
From: Original Woodchuck
Topic: 32619 Message: 32702

On Mon, Jun 09, 2014 at 07:54:40PM -0700, wa1rkt@... [ham-antennas] wrote:
> AB3NR>> "The moral may be that an MFJ analyzer is not very reliable for measuring Z, i.e. it is not a $10K vector network analyzer."
>
> How confident are you that the modeling software is accurate? I'm not referring to the motorhome model, which may or may not be accurate, but the modeling software itself?

Fairly confident. It's just NEC-2 with a graphics wrapper (xnec2c) on it.
I could try it by running the original LLNL Fortran source code with the
same card deck, if you're doubtful about the C++ translation I used. (It's
fairly standard stuff on the Linux side of things, nec2++, so-called.)

I'm less confident of my modelling skills.

I can send you the input card deck, if you wish, or LLNL NEC-2 printout.

I've got a better mh model now, (wire frame, 3-D, on 1/2 meter grid).
It has a lot of segments (several thousand). Takes a couple
of minutes per point, so several hours maybe for a "big" run. Shades
of 1985! At least I own the "Vax" now.

I'll try running it for the 33 ft case tomorrow. Sleepy time here now.

Hmm. Maybe I'll try an overnight run. I'm worried about the
computer overheating if run too much by day. (It sounds like a wind
tunnel right now when running the model. Loadfactor = 1.0).

>I'm no fan of MFJ but their antenna analyzers do seem to have a reasonably good reputation from the things I've read. I can certainly accept their measurements to be off by 10 or 20 percent but not by 100 percent or more. I would think that owners would be squawking all over the review sites if that happened and I haven't seen that.

Maybe it's broken? 269s have a way of frying themselves if used
incorrectly on 70cm, so I hear.

The X values you measured didn't seem realistic over the whole frequency
spectrum. But your test environment is unknown to me.

The MFJs seem to work OK when X~=0., but I don't think they really have
an impedance bridge in them, I think they are *calculating* |Z|, then R
and X from VSWR by directly measuring forward and reverse voltages as a
proxy for power. Hence the reason they don't have the sign of X, always
showing it positive. (Not a feature unique to MFJ analyzers, of course.)
As I said, it's not a VNA. I haven't seen a schematic for one, though,
so there could be anything in there. VSWR is more reliable, I'm confident.

We have to face the fact that many hams don't know impedance from their
elbows, and VSWR is the defacto gold standard.

73 Dave AB3NR

32703. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 05:22:28 UTC
From: jim burns
Topic: 32632 Message: 32703

Hi Stan,

After a year was the line damaged or deteriorated?

TNX
Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 09, 2014 7:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Well Jim, I used to use similar line, first to support a 5/8ths wavelength CB vertical (the roof of my mobile home was the ground plane). Later used that same 23 foot vertical wire as my Novice antenna with a pi section tuner in the shack.

The line held up well for more than a year between replacements. That in a mobile home park that did NOT allow antennas. Just needed a nice line of ash trees on the lot.

Stan

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, June 09, 2014 4:42 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried

out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

32704. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 05:51:25 UTC
From: jim burns
Topic: 32632 Message: 32704

Hey Don !

Very cool ! As we say at Alpha Delta; Good DX !
Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 12:00 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Oh yes, they do work. But like you say higher the better. I lived in Florida beach community for 40 years with no high trees.

Vertical monopoles worked well, as did slopers from ground to top of a pole mounted on the roof.

Actually a 20 foot pole on the roof with 3 wires down to the ground to simulate a tower and the coax run to the top of the pole. I made a W9INN sloper with 40 meter main, coil and wire for 80 and coil and wire for 160. I had a 20 meter wire also but at 90 degrees. With 100 watts and a small homebrew tuner I worked WAS and WAC on 80, 40, 20.

Here in Ecuador we also have few high trees on the coast. But we have 10 to 12 meter bamboo poles that cost $7 each. So my fan dipole 40 to 15 is up 35 feet on top of a small hill which put it abut 100 foot above surrounding land. Half mile from Pacific beach and surrounded by large shrimp ponds, the ground is very reflective, WET. So I get good reports from my 100 watts and when propagation is good from the QRP rigs.

Don HC/W4BWS

On Mon, Jun 9, 2014 at 10:26 PM, 'jim burns' jfburns@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Thanks Don ! I feel the $8 bucks for the plumb bob was a good investment as I have at least 2 trees that show potential to be my version of a Rohn tower. The plumb bob has a pointed bottom and enough weight to slip easily through limbs on it's way down and the nose cone helps on the way up. In my previous QTH's I had to get by with antennas at 15' or so but they did work. 50 feet to me is like the summit of Everest.

I would like to tell others in the group that antennas at low altitude do work and you can make lots of contacts. In my job at Alpha Delta I speak with customers who think they can't enjoy our hobby because they can't get an antenna up at 35'. Height is good but low antennas can give you lots of ham radio excitement.

Jim, WB4ILP

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Sent: Monday, June 09, 2014 5:56 PM

To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Good idea on the plumb line. I have used a large metal Nut and a wrench also as a drop weight.

"nose cone" idea would work for them also.

Don W4BWS

On Mon, Jun 9, 2014 at 3:42 PM, 'jim burns' jfburns@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM

To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

--
Dr. Don W4BWS

--
Dr. Don W4BWS

32705. AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 12:40:28 UTC
From: siegfried jackstien
Topic: 32692 Message: 32705

Halfwave coaxbalun is used in a folded dipole (with nominal impedance from 300 ohms lowered to 200 ohms from reflector and director) ... not on a straight dipole

Dg9bfc

Sigi

Ps do you have mmana??

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 9. Juni 2014 20:43
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Trying to find cause of high SWR on 2m Yagi
>
>
>
> I built a 4-element Yagi (dipole driven element, 1/2 wavelength coax balon
> so the two sides are fed 180 degrees out of phase). When I put an MFJ259B
> on it, even with the reflector and directors removed, I couldn't find an
> SWR below about 1.9 anywhere near its nominal resonant frequency. The DEs
> are 6mm aluminum clamped w/5/16" screws into butt connectors soldered to
> 1/2" wide strips of brass and glued to a piece of plexiglass in the 1-14"
> PVC boom. Feed line is LMR240. The brass strips on each side are
> separated by about 1/4".
>
>
>
>
> I tested it a few weeks ago and got very promising results. Going into a
> canyon, it gave a much better FM signal than an X50 mounted about 25'
> higher. I thought I was good to go. Not so much.
>
>
>
>
> I took it out yesterday for a public service event, and found that of two
> HTs that I took, only one (Wouxun UVD1-P) would work. The Yaesu VX-6R
> wouldn't, and I assume it was balking at an SWR around 2.0. I'll be
> setting it up and testing on both radios while dropping power, removing
> the balun, various elements, etc. but don't expect to learn much, other
> than the VX-6 isn't happy.
>
>
>

>
> Any ideas out there why a simple dipole wouldn't have a clear resonance
> point with low SWR? I'll try to get some pictures up in the files
> section.
>
>
>
>
> Thanks,
>
> Rob K6RGI
>
>

32706. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 12:50:34 UTC
From: p_chap@...
Topic: 32632 Message: 32706

Good morning Jim:

I have used various types of rope, all with the same result....less than a year and done, then start over again. I went with the black Dacron antenna rope sold by Wireman and others several years ago and have not looked back. Five to ten years can be expected, which, in a way creates a problem. It can grow into the tree limbs.

There are many ways to do the same thing i.e. get an antenna in the air. I mount a reel on an elbow support slingshot, fire 10 lb test line with a half ounce sinker and a few inches of pink mason twine to find it easy, cut off the sinker, pull back with mason twine, then hoist the rope. (1/4 inch black dacron, about 1200 lb strength about $70 per 500 ft spool.) When I have enough rope to touch the ground on both sides of the limb, (and want to run two antennas in different directions.) I then cut the rope, attach a screw down carabiner, (not spring loaded,) and two MARINE GRADE (about $10 each) swivel pulleys specified for 1/4 inch rope. Using two 500 ft spools of rope, run the rope through the pulleys, tie off to the base of a tree, and hoist the assembly. When there is enough rope to hit the ground on both sides of the pulleys, cut the ropes and attach the antennas.

This method uses a lot of rope, but if you have a $70 balun in the air, it is cheap insurance. If rope number one grows into the tree, you can still lower and raise each antenna individually. Ideally one should drop the whole assembly once a year to check and clean the pulleys as needed. My project doing this is a little slow, but about half way there.

Paul
WA4NUN

32707. Re: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 13:45:45 UTC
From: Stan Labinsky Jr.
Topic: 32632 Message: 32707

OK Jim, now I have to dig back into my dim memory...
Had one actual failure in the eight or nine years of use. A nasty windy storm did it in. Had to go up on the trailer roof and play fisherman, lofting a sinker up into the tree. Folks walking by got a show... "that guy's a nut!" But nobody ever turned me into the park management.
Take note though, the wire, 18ga. copperweld, was kept taught, so there was not too much play to handle the violent tree sway, except in the line's ability to stretch.
Other times I swapped out the line when I pulled the wire down to transition from the roof mounted CB coil to a ceramic feed through when I went ham. Line had some abrasion where it went over the limb, but was still serviceable.
I'd probably feel comfortable swapping it out every year or so. Or, you might look into grass cutting line, some of that stuff's pretty heavy, I'd do pull tests on both.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, June 10, 2014 1:22 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Hi Stan,

After a year was the line damaged or deteriorated?

TNX
Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 09, 2014 7:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Well Jim, I used to use similar line, first to support a 5/8ths wavelength CB vertical (the roof of my mobile home was the ground plane). Later used that same 23 foot vertical wire as my Novice antenna with a pi section tuner in the shack.

The line held up well for more than a year between replacements. That in a mobile home park that did NOT allow antennas. Just needed a nice line of ash trees on the lot.

Stan

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, June 09, 2014 4:42 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

32708. New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 15:56:00 UTC
From: k2vi@...
Topic: 32708 Message: 32708

Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9" or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1 5KW choke balun. 73

tony k2vi

32709. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 16:07:08 UTC
From: Artek Manuals
Topic: 32708 Message: 32709

Properly adjusted for a good 50 ohm match at the antenna, the length of the coax is not a factor. Shorter would be better due to slightly (very slightly) lower losses, but the difference in actual loss between 50' and 150' would not be noticeable to we mere humans

Dave
NR1DX

On 6/10/2014 10:56 AM, k2vi@... [ham-antennas] wrote:
>
> Hi there fellow hams. My question is. I am putting up a 3 element 20
> meter monoband yagi. Hy gain 203BA. I am trying to figure out what the
> best length of davis bury flex coax would be. My calculations are 43'
> 9" or 128' 3" . Would anyone have a formula or just advise the
> perfect length of coax for this installation. I am using a balun
> design 1:1 5KW choke balun. 73
>
> tony k2vi
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32710. RE: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 16:07:37 UTC
From: Billy McFarland
Topic: 32708 Message: 32710

I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.

73 Billy
GM0OBX
SKCC# 12202

32711. AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 17:28:23 UTC
From: siegfried jackstien
Topic: 32632 Message: 32711

Weighted tennis-ball works best

Dh9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 9. Juni 2014 21:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Vertical Antenna in Limited Area
>
>
>
> Good idea on the plumb line. I have used a large metal Nut and a wrench
> also as a drop weight.
> "nose cone" idea would work for them also.
>
> Don W4BWS
>
>
> On Mon, Jun 9, 2014 at 3:42 PM, 'jim burns' jfburns@windstream.net [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
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>
> Using a slingshot and a ½ ounce fishing sinker I have managed to get
> a 6 lb. test mono line into a very good tree limb in my back yard at about
> 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made
> by Eagle Claw (available at Walmart). My question is how UV resistant is
> the 80 lb. clear Eagle Claw line? How will it hold up to the weather and
> abrasion? I can't find detailed info on the web. Good news is that it is
> nearly invisible against the sky and I may try to mist a little spray
> paint on it to cover the sheen. Anyone try this?
>
> The slingshot took about 6 or 7 tries to get the limb I wanted and
> then after pulling the 80 lb. line up, I attached a plumb weight (about 8
> bucks from Lowes), pulled that all the way up to the limb, then lowered it
> so it would come straight down and not over other limbs. Pulling the
> plumb weight up I noticed it tended to catch on the bottom of limbs as it
> rose because the top of the plumb is not tapered, so I came up with a fix;
> I took a dried out marking pin and cut off about 1 inch of the rounded tip

> at the rear of the pen and drilled a hole in the middle of the tip large
> enough to pass the line through. I removed the line from the plumb, ran
> it through the tip of the pin body and reattached it to the plumb with the
> tapered end of the pen body facing up. This formed a "nose cone" on top
> of the plumb and it was easily pulled up through the limbs without
> catching any. You can repeat this process for the other end of the line
> so your line is only over the one branch at the top with both ends of your
> line coming straight down. I my case it makes hiding the line against the
> trunk very easy.
>
> Any help on the line specs and any suggestions for better line from
> you antennas guys or anglers is appreciated.
>
> Jim, WB4ILP
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> _____
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> Sent: Friday, June 06, 2014 1:38 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Vertical Antenna in Limited Area
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> --
> Dr. Don W4BWS
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32712. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 17:59:39 UTC
From: jim burns
Topic: 32632 Message: 32712

Hi Paul,

The pink mason twine is a great idea. I couldn't believe how difficult it was to find the 6 lb. line after I got it over the limb. I think I'll go with the pulley as you suggested. My 80 lb. line was up since back in the winter and it had started to grow into the limb and it took a lot of tugging on one end and then the other to free it. I am thinking of using a small diameter stainless steel rope with an insulator at the pulley end and using it as a vertical antenna. Directly under the pulley is my chain link fence which with my neighbor's fences is probably a total of about 600 feet long. I would feed the vertical against the fence as a counterpoise. Probably not a great antenna but it is convenient.

It occurred to me that a piece of tubing over the rope or other hoisting line at the pulley end where the line goes over the limb would prevent the line from growing into the limb.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 8:51 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Good morning Jim:

I have used various types of rope, all with the same result....less than a year and done, then start over again. I went with the black Dacron antenna rope sold by Wireman and others several years ago and have not looked back. Five to ten years can be expected, which, in a way creates a problem. It can grow into the tree limbs.

There are many ways to do the same thing i.e. get an antenna in the air. I mount a reel on an elbow support slingshot, fire 10 lb test line with a half ounce sinker and a few inches of pink mason twine to find it easy, cut off the sinker, pull back with mason twine, then hoist the rope. (1/4 inch black dacron, about 1200 lb strength about $70 per 500 ft spool.) When I have enough rope to touch the ground on both sides of the limb, (and want to run two antennas in different directions.) I then cut the rope, attach a screw down carabiner, (not spring loaded,) and two MARINE GRADE (about $10 each) swivel pulleys specified for 1/4 inch rope. Using two 500 ft spools of rope, run the rope through the pulleys, tie off to the base of a tree, and hoist the assembly. When there is enough rope to hit the ground on both sides of the pulleys, cut the ropes and attach the antennas.

This method uses a lot of rope, but if you have a $70 balun in the air, it is cheap insurance. If rope number one grows into the tree, you can still lower and raise each antenna individually. Ideally one should drop the whole assembly once a year to check and clean the pulleys as needed. My project doing this is a little slow, but about half way there.

Paul
WA4NUN

32713. RE: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 18:05:20 UTC
From: jim burns
Topic: 32632 Message: 32713

Thanks Stan ! Yes, I'm sure I would be playing with the antennas on a regular basis so a swap out every year would not be a hassle. Yep that weed cutting string is strong; I have a roll of the .062 diameter. I'll check it out.

Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 9:46 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

OK Jim, now I have to dig back into my dim memory...

Had one actual failure in the eight or nine years of use. A nasty windy storm did it in. Had to go up on the trailer roof and play fisherman, lofting a sinker up into the tree. Folks walking by got a show... "that guy's a nut!" But nobody ever turned me into the park management.

Take note though, the wire, 18ga. copperweld, was kept taught, so there was not too much play to handle the violent tree sway, except in the line's ability to stretch.

Other times I swapped out the line when I pulled the wire down to transition from the roof mounted CB coil to a ceramic feed through when I went ham. Line had some abrasion where it went over the limb, but was still serviceable.

I'd probably feel comfortable swapping it out every year or so. Or, you might look into grass cutting line, some of that stuff's pretty heavy, I'd do pull tests on both.

Stan

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, June 10, 2014 1:22 AM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Hi Stan,

After a year was the line damaged or deteriorated?

TNX
Jim

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 09, 2014 7:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

Well Jim, I used to use similar line, first to support a 5/8ths wavelength CB vertical (the roof of my mobile home was the ground plane). Later used that same 23 foot vertical wire as my Novice antenna with a pi section tuner in the shack.

The line held up well for more than a year between replacements. That in a mobile home park that did NOT allow antennas. Just needed a nice line of ash trees on the lot.

Stan

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, June 09, 2014 4:42 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical Antenna in Limited Area

Using a slingshot and a ½ ounce fishing sinker I have managed to get a 6 lb. test mono line into a very good tree limb in my back yard at about 50 feet. I used the 6 lb. test to pull up an 80 lb. clear mono line made by Eagle Claw (available at Walmart). My question is how UV resistant is the 80 lb. clear Eagle Claw line? How will it hold up to the weather and abrasion? I can't find detailed info on the web. Good news is that it is nearly invisible against the sky and I may try to mist a little spray paint on it to cover the sheen. Anyone try this?

The slingshot took about 6 or 7 tries to get the limb I wanted and then after pulling the 80 lb. line up, I attached a plumb weight (about 8 bucks from Lowes), pulled that all the way up to the limb, then lowered it so it would come straight down and not over other limbs. Pulling the plumb weight up I noticed it tended to catch on the bottom of limbs as it rose because the top of the plumb is not tapered, so I came up with a fix; I took a dried out marking pin and cut off about 1 inch of the rounded tip at the rear of the pen and drilled a hole in the middle of the tip large enough to pass the line through. I removed the line from the plumb, ran it through the tip of the pin body and reattached it to the plumb with the tapered end of the pen body facing up. This formed a "nose cone" on top of the plumb and it was easily pulled up through the limbs without catching any. You can repeat this process for the other end of the line so your line is only over the one branch at the top with both ends of your line coming straight down. I my case it makes hiding the line against the trunk very easy.

Any help on the line specs and any suggestions for better line from you antennas guys or anglers is appreciated.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 06, 2014 1:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical Antenna in Limited Area

32714. Re: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 19:00:03 UTC
From: worahm@...
Topic: 32632 Message: 32714

To the Group.

I've tried using a 1/2 oz lead weight on a spinning reel, which works well for getting the weight over the appropriate limb. However, I have found sometimes a 1/2 oz weight is not heavy enough to overcome the friction of the cord on the limb and pull the line back down to earth.

I ended using a 1oz lead weight which works much better. I just shot a 1oz lead weight attached to 1/16" diameter cotton cord over a 60 foot high limb in a pine tree for my 2 meter J-Pole antenna, on the third try.

Also, use a new a rubber band for the sling. The rubber loses elasticity quickly. An old rubber band will negatively effect the performance of the sling shot.

Some stores sell a replacement rubber sling that is stronger then other slings. The stronger rubber is usually colored red. The lighter rubber is usually yellow.

Bill

KB2GF

32715. Selling stuff

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 19:26:34 UTC
From: Tom Horton
Topic: 32715 Message: 32715

Is it ok to sell antenna related things here?
 Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

32716. AW: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 19:50:10 UTC
From: siegfried jackstien
Topic: 32632 Message: 32716

http://www.antennalaunchers.com/antlaunching.html

tennis-ball, spud-gun, one shot needed only :-)

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 19:00
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Vertical Antenna in Limited Area
>
>
>
> To the Group.
>
>
>
> I've tried using a 1/2 oz lead weight on a spinning reel, which works well
> for getting the weight over the appropriate limb. However, I have found
> sometimes a 1/2 oz weight is not heavy enough to overcome the friction of
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>
>
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> 1oz lead weight attached to 1/16" diameter cotton cord over a 60 foot high
> limb in a pine tree for my 2 meter J-Pole antenna, on the third try.
>
>
>
> Also, use a new a rubber band for the sling. The rubber loses elasticity
> quickly. An old rubber band will negatively effect the performance of the
> sling shot.
>
>
>
> Some stores sell a replacement rubber sling that is stronger then other
> slings. The stronger rubber is usually colored red. The lighter rubber
> is usually yellow.
>
>
>
> Bill

>
> KB2GF
>
>
>

32717. Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 20:28:59 UTC
From: W1JCW
Topic: 32632 Message: 32717

Built my own for $30.

4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve, into a 4' x 1.5" launch tube.

Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs test mono line, open bailer real,

two stainless hose clamps.

Over a 100' range with 50psi. No more slingshots, fishing poles or bows.

This gets over the largest trees in this area.

I have pics if anyone is interested.

Blast off !

73-

W1JCW

32718. Re: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 20:30:59 UTC
From: Clark Martin
Topic: 32632 Message: 32718

KK6ISP
Yet another designated driver on the information super highway.

> On Jun 10, 2014, at 10:28 AM, "'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Weighted tennis-ball works best
>

I has good results with a Kong Ball. It is a heavy rubber ball with a hole through the middle. They're sold in pet stores as a chew toy.

32719. Re: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 20:39:28 UTC
From: Timothy-Allen Albertson
Topic: 32632 Message: 32719

give me an M79 and I will get that thing over that damn limb

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jun 10, 2014 at 3:28 PM, W1JCW w1jcw@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Built my own for $30.
>
>
>
> 4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve,
> into a 4' x 1.5" launch tube.
>
>
>
> Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs
> test mono line, open bailer real,
>
> two stainless hose clamps.
>
>
>
> Over a 100' range with 50psi. No more slingshots, fishing poles or bows.
>
>
>
> This gets over the largest trees in this area.
>
>
>
> I have pics if anyone is interested.
>
>
>
> Blast off !
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> 73-
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> W1JCW
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32720. RE: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 19:57:54 UTC
From: KB3YRC
Topic: 32632 Message: 32720

I want to build one

What are you shooting what 4" thing are you putting in the launching?

Waffle ball with the3 fishing line attached?

Send pictures

KB3YRC @...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 5:29 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Projectile launcher

Built my own for $30.

4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve, into a 4' x 1.5" launch tube.

Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs test mono line, open bailer real,

two stainless hose clamps.

Over a 100' range with 50psi. No more slingshots, fishing poles or bows.

This gets over the largest trees in this area.

I have pics if anyone is interested.

Blast off !

73-

W1JCW

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14

32721. RE: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 20:22:39 UTC
From: KB3YRC
Topic: 32632 Message: 32721

Is this close to what you described

End caps 3 at 4 "

2 at 3 "

PVC 3 short pieces

Hardware

Gage

Air valve

Air chuck

Fish line reel straps

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 4:58 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Projectile launcher

I want to build one

What are you shooting what 4" thing are you putting in the launching?

Waffle ball with the3 fishing line attached?

Send pictures

KB3YRC @...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 5:29 PM
To: ham-antennas@yahoogroups.com
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Over a 100' range with 50psi. No more slingshots, fishing poles or bows.

This gets over the largest trees in this area.

I have pics if anyone is interested.

Blast off !

73-

W1JCW

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Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14

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Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14

[Non-text portions of this message have been removed]

32722. AW: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:24:02 UTC
From: siegfried jackstien
Topic: 32632 Message: 32722

Tennis ball works superb

http://www.antennalaunchers.com/antlaunching.html

many info about launchers, comparing different designs (different valves, chamber-sizes etc.)

very informative

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 19:58
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Projectile launcher
>
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>
> I want to build one
>
> What are you shooting what 4☐ thing are you putting in the launching?
>
> Waffle ball with the3 fishing line attached?
>
>
>
> Send pictures
>
>
>
> KB3YRC @...
>
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, June 10, 2014 5:29 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Projectile launcher
>

>
>
>
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> Built my own for $30.
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>
> 4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve,
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>
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>
> Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs
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> two stainless hose clamps.
>
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>
> Over a 100' range with 50psi. No more slingshots, fishing poles or bows.
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> This gets over the largest trees in this area.
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> I have pics if anyone is interested.
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>
> Blast off !
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> 73-
>
> W1JCW
>
> _____
>
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> Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14
>
>

32723. Re: AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:31:45 UTC
From: rob@...
Topic: 32692 Message: 32723

Thanks Sigi, but I'm a bit confused - The coax balun is only intended to feed the two halves of the dipole out of phase. What I forgot to mention originally is I've got a hairpin match on it (~20 cm of 14 AWG solid copper) which lowered the SWR a little bit. I did model it with MMANA-GAL, stating it would be a hairpin match. The model said SWR should be 1.2 to 1.4 from ~145 to 147 MHz. I suppose I could take the coax balun off and put an ugly balun in the feedline as a first test.

Rob

32724. AW: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:30:46 UTC
From: siegfried jackstien
Topic: 32632 Message: 32724

On antennalaunchers dot com you will find a complete list what you need

Sprinklervalve converted to pneumatic action is the main part :-)

Air chamber and barrel plus some elbows (makes the launcher more compact as mounting all in a row)

Good luck in building

Dg9bfc

Sigi

Ps I ordered my sp. valve direct from manufacturer in italy ... way cheaper as buying from ANY garden shop or other reseller ... or in other words ... got two valves for the price of one :-)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 20:23
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Projectile launcher
>
>
>
>
>
> Is this close to what you described
>
> End caps 3 at 4 "
>
> 2 at 3 "
>
> PVC 3 short pieces
>
> Hardware
>
> Gage
>
> Air valve
>
> Air chuck
>
> Fish line reel straps
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, June 10, 2014 4:58 PM

> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Projectile launcher
>
> I want to build one
>
> What are you shooting what 4" thing are you putting in the launching?
>
> Waffle ball with the3 fishing line attached?
>
> Send pictures
>
> KB3YRC @...
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, June 10, 2014 5:29 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Projectile launcher
>
> Built my own for $30.
>
> 4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve,
> into
> a 4' x 1.5" launch tube.
>
> Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs
> test
> mono line, open bailer real,
>
> two stainless hose clamps.
>
> Over a 100' range with 50psi. No more slingshots, fishing poles or bows.
>
> This gets over the largest trees in this area.
>
> I have pics if anyone is interested.
>
> Blast off !
>
> 73-
>
> W1JCW
>
> _____
>
> No virus found in this message.
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>
> _____
>

> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14
>
> [Non-text portions of this message have been removed]
>
>
>
>

32725. AW: AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:37:51 UTC
From: siegfried jackstien
Topic: 32692 Message: 32725

Coax balun not only inverts phase but also lifts up impedance to 4 times nominal value (50 ohms to 200 ohms)

What about converting your hairpin match to a gamma match?!? ... no balun needed then ... or just a tiny bit (ugly balun style)

Impedance can be controlled then with the gamma slider and the antenna should work superb

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 21:32
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Trying to find cause of high SWR on 2m
> Yagi
>
>
>
> Thanks Sigi, but I'm a bit confused - The coax balun is only intended to
> feed the two halves of the dipole out of phase. What I forgot to mention
> originally is I've got a hairpin match on it (~20 cm of 14 AWG solid
> copper) which lowered the SWR a little bit. I did model it with MMANA-
> GAL, stating it would be a hairpin match. The model said SWR should be
> 1.2 to 1.4 from ~145 to 147 MHz. I suppose I could take the coax balun
> off and put an ugly balun in the feedline as a first test.
>
> Rob
>
>

32726. Re: Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:46:16 UTC
From: mikerodgerske5gbc@...
Topic: 32632 Message: 32726

These kits used to be sold by the Joplin,Mo club. Spud gun type.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32727. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:06:51 UTC
From: John Molenda
Topic: 32708 Message: 32727

The length issue only appears when ladder -balanced line is used
correct? John kb2huk
On 6/10/2014 11:07 AM, Billy McFarland gm0obx@... [ham-antennas]
wrote:
>
> I have never had any issues with lengths of coax other than keep it as
> short as possible. Avoid off lengths where the impedance can be
> transformed.
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
>
> ---
> *From: * k2vi@... [ham-antennas] <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * [ham-antennas] New yagi installation question
> *Sent: * Tue, Jun 10, 2014 3:56:00 PM
>
> Hi there fellow hams. My question is. I am putting up a 3 element 20
> meter monoband yagi. Hy gain 203BA. I am trying to figure out what the
> best length of davis bury flex coax would be. My calculations are 43'
> 9" or 128' 3" . Would anyone have a formula or just advise the
> perfect length of coax for this installation. I am using a balun
> design 1:1 5KW choke balun. 73
>
> tony k2vi
>
>
>

32728. RE: [ham-antennas] Re: Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 21:16:58 UTC
From: KB3YRC
Topic: 32632 Message: 32728

Love to build one orders are $ 120.00 - $ 150.00

After all the reading I can□t understand how the trigger works. It looks like it lets air in to the atmosphere, and not from the charged area to the lunch tub?

What□s wrong with a ¼ ball vale?

Richard

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

<https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJmN3FwNmNxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDI0MzY3ODY-> Visit Your Group

.

<https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnYm9rbTVxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyNDM2Nzg2> New Members 8

<https://groups.yahoo.com/neo;_ylc=X3oDMTJldXZmNnJ1BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwMjQzNjc4Ng--> Yahoo! Groups

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<http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/msgId=32726/stime=1402436786>

<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322279&js=no&resp=img>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14

32729. AW: [ham-antennas] Re: Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:21:15 UTC
From: siegfried jackstien
Topic: 32632 Message: 32729

It is easy how th

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 21:17
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: Projectile launcher
>
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>
> Love to build one orders are $ 120.00 - $ 150.00
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> After all the reading I can□t understand how the trigger works. It looks
> like it lets air in to the atmosphere, and not from the charged area to
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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> Visit Your Group <https://groups.yahoo.com/neo/groups/ham-
> antennas/info;_ylc=X3oDMTJmN3FwNmNxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGd
> ycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDI0MzY3ODY->
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> · New Members <https://groups.yahoo.com/neo/groups/ham-
> antennas/members/all;_ylc=X3oDMTJnYm9rbTVxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0
> NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyNDM2Nz
> g2> 8
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> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJldXZmNnJ1BF9TAzk3MzU5NzE0BGdycEl
> kAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwM
> jQzNjc4Ng-->
>
> ☐ Privacy <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> ☐
> Unsubscribe <mailto:ham-antennas-
> unsubscribe@yahoogroups.com?subject=Unsubscribe> ☐ Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
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> <http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/ms
> gId=32726/stime=1402436786>
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> 279&js=no&resp=img>
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>
>

32730. AW: [ham-antennas] Re: Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:28:13 UTC
From: siegfried jackstien
Topic: 32632 Message: 32730

It is easy how they work

You have a diaphragm that is controlling the air flow

Diameter of that (and of the chamber above it) is bigger as the exhaust diameter (that then goes to the barrel)

In closed condition the bigger diameter of the chamber above the exhaust securely holds the valve closed (bigger area means bigger force downwards)

Now if you let the pressure out of the upper chamber above the diaphragm the valve "pops open" in a short time

That popping effect is what makes the air flow in a high speed towards the barrel (and the shoots out the tennis ball)

If you look on antennalaunches.com it is well explained

And ... if you look on the building instructions for the "darn fast turbo" launcher there also is explained how these things work

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 21:17
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: Projectile launcher
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> Richard
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> ycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDI0MzY3ODY->
>
> · New Members <https://groups.yahoo.com/neo/groups/ham-
> antennas/members/all;_ylc=X3oDMTJnYm9rbTVxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0
> NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyNDM2Nz
> g2> 8
>
> Yahoo! Groups

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> jQzNjc4Ng-->
>
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> gId=32726/stime=1402436786>
>
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> 279&js=no&resp=img>
>
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> Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14
>
>

32731. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:38:01 UTC
From: Artek Manuals
Topic: 32708 Message: 32731

Even then only with certain types of antennas and line matching systems
(Baluns, Antenna tuners etc)....

Dave
NR1DX

On 6/10/2014 5:06 PM, John Molenda brazos@...
[ham-antennas] wrote:
>
> The length issue only appears when ladder -balanced line is used
> correct?? ? John kb2huk
>
> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@...
> [ham-antennas] wrote:
>> ?
>>
>> I have never had any issues with lengths of coax other than keep it
>> as short as possible. Avoid off lengths where the impedance can be
>> transformed.
>>
>> 73 Billy
>> GM0OBX
>> SKCC# 12202
>>
>>
>> ---
>> *From: * k2vi@... [ham-antennas] <ham-antennas@yahoogroups.com>;
>> *To: * <ham-antennas@yahoogroups.com>;
>> *Subject: * [ham-antennas] New yagi installation question
>> *Sent: * Tue, Jun 10, 2014 3:56:00 PM
>>
>> ?
>>
>> Hi there fellow hams. My question is. I am putting up a 3 element 20
>> meter monoband yagi. Hy gain 203BA. I am trying to figure out what
>> the best length of davis bury flex coax would be. My calculations are
>> 43' 9"? ? or 128' 3" . Would anyone have a formula or just advise
>> the perfect length of coax for this installation. I am using a balun
>> design 1:1? 5KW choke balun. 73
>>
>> tony k2vi
>>
>>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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32732. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:43:41 UTC
From: Keith Heimbold
Topic: 32708 Message: 32732

My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.

Just trying to put a wrinkle in this discussion.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 10, 2014, at 3:38 PM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....
>
> Dave
> NR1DX
>
>
>> On 6/10/2014 5:06 PM, John Molenda brazos@rochester.rr.com [ham-antennas] wrote:
>>
>> The length issue only appears when ladder -balanced line is used correct?Â Â John kb2huk
>>> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@yahoo.co.uk [ham-antennas] wrote:
>>> Â
>>> I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.
>>>
>>> 73 Billy
>>> GM0OBX
>>> SKCC# 12202
>>>
>>> From: k2vi@cox.net [ham-antennas] <ham-antennas@yahoogroups.com>;
>>> To: <ham-antennas@yahoogroups.com>;
>>> Subject: [ham-antennas] New yagi installation question
>>> Sent: Tue, Jun 10, 2014 3:56:00 PM
>>>
>>> Â
>>> Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9"Â Â or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1Â 5KW choke balun. 73

>>>
>>> tony k2vi
>
>
> --
> Dave
> Manuals@ArtekManuals.com
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
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>
>

32733. Re: AW: AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:52:37 UTC
From: Geoff McAlpin
Topic: 32692 Message: 32733

I second the gamma match.

Sent from my iPad

> On Jun 10, 2014, at 2:37 PM, "'siegfried jackstien' siegfried.jackstien@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Coax balun not only inverts phase but also lifts up impedance to 4 times
> nominal value (50 ohms to 200 ohms)
>
> What about converting your hairpin match to a gamma match?!? ... no balun
> needed then ... or just a tiny bit (ugly balun style)
>
> Impedance can be controlled then with the gamma slider and the antenna
> should work superb
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Dienstag, 10. Juni 2014 21:32
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: AW: [ham-antennas] Trying to find cause of high SWR on 2m
> > Yagi
> >
> >
> >
> > Thanks Sigi, but I'm a bit confused - The coax balun is only intended to
> > feed the two halves of the dipole out of phase. What I forgot to mention
> > originally is I've got a hairpin match on it (~20 cm of 14 AWG solid
> > copper) which lowered the SWR a little bit. I did model it with MMANA-
> > GAL, stating it would be a hairpin match. The model said SWR should be
> > 1.2 to 1.4 from ~145 to 147 MHz. I suppose I could take the coax balun
> > off and put an ugly balun in the feedline as a first test.
> >
> > Rob
> >
> >
>
>

32734. Re: AW: [ham-antennas] Re: Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-10 22:59:25 UTC
From: Craig Palmer KF5JYZ
Topic: 32632 Message: 32734

here ya go

http://www.instructables.com/tag/type-id/?sort=none&q=spud+gun

Craig

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, June 10, 2014 5:28 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: Projectile launcher

It is easy how they work

You have a diaphragm that is controlling the air flow

Diameter of that (and of the chamber above it) is bigger as the exhaust diameter (that then goes to the barrel)

In closed condition the bigger diameter of the chamber above the exhaust securely holds the valve closed (bigger area means bigger force downwards)

Now if you let the pressure out of the upper chamber above the diaphragm the valve "pops open" in a short time

That popping effect is what makes the air flow in a high speed towards the barrel (and the shoots out the tennis ball)

If you look on antennalaunches.com it is well explained

And ... if you look on the building instructions for the "darn fast turbo" launcher there also is explained how these things work

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 10. Juni 2014 21:17
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: Projectile launcher
>
>
>
> Love to build one orders are $ 120.00 - $ 150.00
>
>
>

> After all the reading I can□t understand how the trigger works. It looks
> like it lets air in to the atmosphere, and not from the charged area to
> the lunch tub?
>
>
>
> What□s wrong with a ¼ ball vale?
>
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> Richard
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
>
>

> Visit Your Group <https://groups.yahoo.com/neo/groups/ham-
> antennas/info;_ylc=X3oDMTJmN3FwNmNxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGd
> ycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDI0MzY3ODY->
>
> · New Members <https://groups.yahoo.com/neo/groups/ham-
> antennas/members/all;_ylc=X3oDMTJnYm9rbTVxBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0
> NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyNDM2Nz
> g2> 8
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJldXZmNnJ1BF9TAzk3MzU5NzE0BGdycEl
> kAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwM
> jQzNjc4Ng-->
>
> ☐ Privacy <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> ☐
> Unsubscribe <mailto:ham-antennas-
> unsubscribe@yahoogroups.com?subject=Unsubscribe> ☐ Terms of Use
> <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
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> <http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/ms
> gId=32726/stime=1402436786>
>
> <http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322
> 279&js=no&resp=img>
>
> _____
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4592 / Virus Database: 3955/7655 - Release Date: 06/10/14
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7657 - Release Date: 06/10/14

32735. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 00:43:54 UTC
From: Walt Wilson
Topic: 32708 Message: 32735

What is the minimum length?

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, June 10, 2014 6:43 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] New yagi installation question

My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.

Just trying to put a wrinkle in this discussion.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Jun 10, 2014, at 3:38 PM, "Artek Manuals nr1dx@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....

Dave
NR1DX

On 6/10/2014 5:06 PM, John Molenda brazos@... [ham-antennas] wrote:

The length issue only appears when ladder -balanced line is used correct?Â Â John kb2huk

On 6/10/2014 11:07 AM, Billy McFarland gm0obx@... [ham-antennas] wrote:

Â
I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.

73 Billy
GM0OBX
SKCC# 12202

From: k2vi@... [ham-antennas] mailto:ham-antennas@yahoogroups.com;
To: mailto:ham-antennas@yahoogroups.com;
Subject: [ham-antennas] New yagi installation question
Sent: Tue, Jun 10, 2014 3:56:00 PM

Â
Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9"Â Â or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1Â 5KW choke balun. 73

tony k2vi

--
Dave
Manuals@ArtekManuals.com
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3955/7655 - Release Date: 06/10/14

32736. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 00:58:38 UTC
From: Keith Heimbold
Topic: 32708 Message: 32736

The manual states 150' minimum of RG213 regardless of distance from shack. It is in the manual. And beeline it or not I decided to try 150' of LMR400 and the swr for the antenna was impacted negatively. By the way, the antenna is a good performer for me but then again one could argue how good is it really.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 10, 2014, at 5:44 PM, "'Walt Wilson' WWILSON@triad.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> What is the minimum length?
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Tuesday, June 10, 2014 6:43 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] New yagi installation question
>
>
> My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.
>
> Just trying to put a wrinkle in this discussion.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Jun 10, 2014, at 3:38 PM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....
>>
>> Dave
>> NR1DX
>>
>>
>>> On 6/10/2014 5:06 PM, John Molenda brazos@rochester.rr.com [ham-antennas] wrote:

>>>
>>> The length issue only appears when ladder -balanced line is used correct?Â Â John kb2huk
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>>>> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@yahoo.co.uk [ham-antennas] wrote:
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>>>> I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.
>>>>
>>>> 73 Billy
>>>> GM0OBX
>>>> SKCC# 12202
>>>>
>>>> From: k2vi@cox.net [ham-antennas] mailto:ham-antennas@yahoogroups.com;
>>>> To: mailto:ham-antennas@yahoogroups.com;
>>>> Subject: [ham-antennas] New yagi installation question
>>>> Sent: Tue, Jun 10, 2014 3:56:00 PM
>>>>
>>>> Â
>>>> Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9"Â Â or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1Â 5KW choke balun. 73
>>>>
>>>> tony k2vi
>>
>>
>> --
>> Dave
>> Manuals@ArtekManuals.com
>> www.ArtekManuals.com
>>
>>
>>
>> This email is free from viruses and malware because avast! Antivirus protection is active.
>>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4570 / Virus Database: 3955/7655 - Release Date: 06/10/14
>
>

32737. RE: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 01:23:43 UTC
From: jim burns
Topic: 32632 Message: 32737

Hi Bill,

Thanks for the info. My slingshot is 5 to 10 years old so I guess I need a rebuild. Seriously, I thought it seemed weaker last time I used it.

Thanks again.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 3:00 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Vertical Antenna in Limited Area

To the Group.

I've tried using a 1/2 oz lead weight on a spinning reel, which works well for getting the weight over the appropriate limb. However, I have found sometimes a 1/2 oz weight is not heavy enough to overcome the friction of the cord on the limb and pull the line back down to earth.

I ended using a 1oz lead weight which works much better. I just shot a 1oz lead weight attached to 1/16" diameter cotton cord over a 60 foot high limb in a pine tree for my 2 meter J-Pole antenna, on the third try.

Also, use a new a rubber band for the sling. The rubber loses elasticity quickly. An old rubber band will negatively effect the performance of the sling shot.

Some stores sell a replacement rubber sling that is stronger then other slings. The stronger rubber is usually colored red. The lighter rubber is usually yellow.

Bill

KB2GF

32738. Re: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 02:46:58 UTC
From: Dave
Topic: 32632 Message: 32738

THAT... brings back a few memories..... beware of things that go THUMP in teh night...

On Tuesday, June 10, 2014 4:39 PM, "Timothy-Allen Albertson kd0oia@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

give me an M79 and I will get that thing over that damn limb

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jun 10, 2014 at 3:28 PM, W1JCW w1jcw@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>Built my own for $30.
>
>4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve, into a 4' x 1.5" launch tube.
>
>Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs test mono line, open bailer real,
>two stainless hose clamps.
>
>Over a 100' range with 50psi. No more slingshots, fishing poles or bows.
>
>This gets over the largest trees in this area.
>
>I have pics if anyone is interested.
>
>Blast off !
>
>73-
>W1JCW

32739. RE: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 03:08:04 UTC
From: soona4sail@...
Topic: 32632 Message: 32739

Your local hunting store has top quality slingshots (and replacement rubbers) with change out of 15 dollars.

73

32740. Re: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 13:11:31 UTC
From: worahm@...
Topic: 32632 Message: 32740

Would really like to see the pictures.

Bill KB2GF

32741. MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 13:28:40 UTC
From: wa1rkt@...
Topic: 32741 Message: 32741

In the conversation on "Portable end-fed wire antennas", a question was raised about the reliability and accuracy of the MFJ-269 series of antenna analyzers. In particular, measurements have been made that are widely divergent from what the models say they should be.

What has your experience been with those analyzers? Are you reasonably confident in their accuracy, and conversely, have you seen anything that would make you suspect that their accuracy is off?

Rick WA1RKT

32742. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 14:34:00 UTC
From: Artek Manuals
Topic: 32741 Message: 32742

I think QST did a comparative article on several of the antenna analyzers in the last couple of years...Setting asides the long standing MFJ (otherwise known as Mississippi's Finest Junk) tradition of cheap construction, shoddy workmanship and almost no useful service documentation as I recall most of the analyzers including the MFJ did reasonably well in the 7 to 21 MHz range and accuracy dropped off considerably at the low and high ends of the HF amateur spectrum. I have an AEA unit that while it has excellent workmanship, it to suffers the same fate on 160M as the others.

One useful but tedious approach is make a set of correction factors using high tolerance fixed R, L and C
You can simulate complex impedance this way quite accurately especially at 80 and 160M where lead inductance and stray C are 2nd order affects. I once took a set of measurements on a 160M antenna with my AEA unit then went back to bench and using a variable cap , resistor , and inductor recreated the readings , measured the R, L & C and computed the actual complex impedance of the antenna that way then designed a matching network based on those numbers rather the actual reading from the AEA unit.

Another problem with most analyzers the MFJ included is that in the presence of strong local AM broadcast stations, these fields get picked up and cause erroneous errors on the analyzer as well.

The moral is it is never easy and detailed knowledge of the instruments limitations at any given frequency are worth the effort inthe long run

I will look and see if I can find the QST article

Dave
NR1DX

On 6/11/2014 8:28 AM, wa1rkt@... [ham-antennas] wrote:
>
> In the conversation on "Portable end-fed wire antennas", a question
> was raised about the reliability and accuracy of the MFJ-269 series of
> antenna analyzers. In particular, measurements have been made that
> are widely divergent from what the models say they should be.
>
> What has your experience been with those analyzers? Are you
> reasonably confident in their accuracy, and conversely, have you seen
> anything that would make you suspect that their accuracy is off?
>
> Rick WA1RKT

>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32743. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 15:25:16 UTC
From: p_chap@...
Topic: 32741 Message: 32743

The eham reviews on mfj vs the rig expert line say it all for me.....very pleased with the aa-54

32744. RE: AW: [ham-antennas] Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 15:26:38 UTC
From: p_chap@...
Topic: 32632 Message: 32744

The marksman 3061 model is a dandy with the elbow prop.....plenty of room to mount a reel

32745. Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 15:47:24 UTC
From: ve1rsm@...
Topic: 32745 Message: 32745

Looking for some assistance. If someone has a 14AVQ Hy Gain Vertical with the optional 40 meter trap I would like some measurements and assistance in erecting one correctly, on the CW bands.

A friend of mind Mike) who had a stroke a while back and has limited speech and use of his hands recently purchased the 14AVQ at a ham fest.

He has the following traps (40, 20, 15 and 10 meters) along with the tubes and manual. There is a bit a difference in the measurements of two of the tubes which differ from the manual, but I am sure we can work around that if we can get some assistance.

We have tried to erect it according to the 14AVQ manual, with adding the optional 40 meter trap first in line, followed by the 10, 15 and 20 meter traps, as indicated in the manual.

We had very poor swr readings and nothing close to any amateur bands.

We then erected the antenna according to the manual, this time not using the 40 meter trap at all, we had an acceptable SWR reading on 20 meters but nothing at all on 10 or 15.

Any assistance would be greatly appreciated, otherwise it will be trial and error to try and get this antenna erected and working on the CW bands.

Mike only works CW due to his limited use of hands and his problem speaking.

Bob/VE1RSM

32746. RE: [ham-antennas] Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 16:18:07 UTC
From: Dave
Topic: 32745 Message: 32746

Hi Bob – I am not very well acquainted with oyur antenna however, I typically refer to the antenna from the base or round up – as I read your letter I am wondering if you may have missed one thing in the directions – the 10 meter coil is near the base – then 15, then 20 etc – as you go up the antenna mast – is this the way you are assembling yours – Gud Luk – 73 Dave / WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, June 11, 2014 10:47 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hy Gain 14AVQ Vertical

Looking for some assistance. If someone has a 14AVQ Hy Gain Vertical with the optional 40 meter trap I would like some measurements and assistance in erecting one correctly, on the CW bands.

A friend of mind Mike) who had a stroke a while back and has limited speech and use of his hands recently purchased the 14AVQ at a ham fest.

He has the following traps (40, 20, 15 and 10 meters) along with the tubes and manual. There is a bit a difference in the measurements of two of the tubes which differ from the manual, but I am sure we can work around that if we can get some assistance.

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We had very poor swr readings and nothing close to any amateur bands.

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Any assistance would be greatly appreciated, otherwise it will be trial and error to try and get this antenna erected and working on the CW bands.

Mike only works CW due to his limited use of hands and his problem speaking.

Bob/VE1RSM

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3955/7662 - Release Date: 06/11/14

32747. Re: Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 16:28:04 UTC
From: k2dfc@...
Topic: 32745 Message: 32747

Bob,
I had 2 14AVQ's over the years. I still have the instruction manuals. But never heard of an optional 40 meter trap. The 14 AVQ worked on 40 - 10 meters but only had traps for 20, 15, and 10. The overall length with top hat worked for 40. They did make this antenna over a long period of time. And I think they may offer it today, and may be a re-design from when I had mine. The ones I had were from the early 70's.

Fred K2DFC

32748. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 16:34:08 UTC
From: wa1rkt@...
Topic: 32619 Message: 32748

Tried running a 52-ft counterpoise wire at about 7 feet elevation from the 23-foot motorhome frame near where the coax connects, to a convenient tie-off point, running in roughly the opposite direction to a 50-foot radiator sloping up to about 25 feet high up a tree. The counterpoise didn't make a significant difference in the MFJ analyzer measurements, in fact above about 7 MHz it made no measurable difference at all, i.e. any difference can be accounted for by the fact that frequency on the MFJ-269 can't be set very accurately.

Below 7 MHz here are the measurements with and without the counterpoise wire.

Numbers are: Freq(MHz) / Impedance / Phase(deg) / SWR. First group is with the counterpoise and 2nd group is without.

2 / 203 / 90 / >31
3 / 110 / 88 / >31
4 / 49 / 41 / 2.2
5 / 193 / 47 / 5.5
6 / 119 / 83 / 22.2
7 / 78 / 87 / >31

2 / 208 / 89 / >31
3 / 115 / 87 / >31
4 / 59 / 65 / 4.7
5 / 203 / 37 / 4.8
6 / 123 / 81 / 17.9
7 / 80 / 87 / >31

Doesn't look like the counterpoise brings anything to the table over the end-fed wire working against the motorhome body, except perhaps a different radiation pattern.

Rick WA1RKT

32749. Re: Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 16:37:54 UTC
From: wa1rkt@...
Topic: 32745 Message: 32749

I vaguely recall an 80-meter mod kit for the 14AVQ that essentially turned it into an 18AVQ / AVT. Perhaps that's what Bob has.

Rick WA1RKT

32750. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 16:53:42 UTC
From: worahm@...
Topic: 32741 Message: 32750

My cable guy liked my AA-54 so much he took it with him after repairing my cable modem.

I like the AA54 so much I purchased another one.

Bill KB2GF

32751. Items for sale

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 17:04:04 UTC
From: Tom Horton
Topic: 28720 Message: 32751

I have a very nice Drake MN2700 Matching Network for sale. I will take $165.00 shipped

Priority Mail.
I have an Ameritron RCS-8V Coax Switch for a remote switch box. It is only the switching control device and not the switch itself. I'll take $50.00 for it shipped Priority Mail.
Please reply off list.
 Thanks,
 Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

32752. Re: MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 17:06:34 UTC
From: wa1rkt@...
Topic: 32741 Message: 32752

The RigExpert ones do look pretty good... call me paranoid if you want, but I think I'm going to hold off on buying any big-ticket items from Ukraine until whatever plans Putin and his crew have in mind play themselves out.

Anyway, I *_have_* an MFJ-269 (borrowed) at the moment and am just looking to get an opinion from experienced users about that particular device's accuracy since I'm seeing things, reported in the "Portable end-fed wire antennas" discussion, that diverge rather widely from the models.

Rick WA1RKT

32753. Re: [ham-antennas] Re: MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 17:36:59 UTC
From: Keith Heimbold
Topic: 32741 Message: 32753

I own a MFJ-259B and I agree that in the mid range of HF it is reasonably accurate but mine will not work on 160m. It shows my sloper to be at >25:1 SWR throughout the band. When I run my K3 EZ program swr scan it is like 1.1:1 at 1.8 MHz going up to 4:1 at top of the band. It is inaccurate on 6m by a couple 100 kHz.

The key to maintaining the modest accuracy is to keep the batteries fresh. It takes a lot of AA batteries and I am replacing them at least every six months. If the voltage drops below a certain level the accuracy is completely gone.

I wouldn't buy another one of these units but I am ok with it for general use. I think every ham shack (for HF or DX enthusiasts) should have an antenna analyzer of some nature.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 11, 2014, at 10:06 AM, "wa1rkt@comcast.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> The RigExpert ones do look pretty good... call me paranoid if you want, but I think I'm going to hold off on buying any big-ticket items from Ukraine until whatever plans Putin and his crew have in mind play themselves out.
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> Anyway, I *_have_* an MFJ-269 (borrowed) at the moment and am just looking to get an opinion from experienced users about that particular device's accuracy since I'm seeing things, reported in the "Portable end-fed wire antennas" discussion, that diverge rather widely from the models.
>
> Rick WA1RKT
>
>

32754. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 17:42:29 UTC
From: Walt Wilson
Topic: 32741 Message: 32754

You gave it to him? Geeez you have lots of money to throw around

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, June 11, 2014 12:53 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

My cable guy liked my AA-54 so much he took it with him after repairing my cable modem.

I like the AA54 so much I purchased another one.

Bill KB2GF

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3955/7661 - Release Date: 06/11/14

32755. Re: MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 18:05:33 UTC
From: radiomanL
Topic: 32741 Message: 32755

I solved the battery problem by taking the 12 volt gelcell from a dead ups and dropping it into the charger/carrier bag that was left over from my old battery operated Airline B&W Tv .

cut the wire off of a dead wall wart that had the correct size plug and connected it to the wire that used to plug into the TV .

andrew
kd5pnt

32756. Re: MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 18:09:29 UTC
From: radiomanL
Topic: 32741 Message: 32756

I have the 259 non B model and find it to be accurate enough . have a 4 band dipole 10,20,40,75 metre and it reports the SWR to be less than 1.7 and 30 to 45 ohms across all 4 bands .

andrew
kd5pnt

32757. Re: New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 18:58:00 UTC
From: tony costa
Topic: 32708 Message: 32757

150' minimum coax length is ridiculous...I had a ta-33m up on my 40' tower at my old qth and ran 70' to the shack. the swr was excellent on most bands exept 10 meters where it was min 1.7:1 but that was tuned easily. So the shorter the better just avoid odd multiples on the bands you work.

32758. RE: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 19:30:54 UTC
From: John Murphy
Topic: 32632 Message: 32758

Funny Tim and whoever the other person is. Yes a few (some not so pleasant) memories.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 8:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Projectile launcher

THAT... brings back a few memories..... beware of things that go THUMP in teh night...

On Tuesday, June 10, 2014 4:39 PM, "Timothy-Allen Albertson kd0oia@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

give me an M79 and I will get that thing over that damn limb

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jun 10, 2014 at 3:28 PM, W1JCW w1jcw@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Built my own for $30.

4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve, into a 4' x 1.5" launch tube.

Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs test mono line, open bailer real,

two stainless hose clamps.

Over a 100' range with 50psi. No more slingshots, fishing poles or bows.

This gets over the largest trees in this area.

I have pics if anyone is interested.

Blast off !

73-

W1JCW

32759. Re: [ham-antennas] Re: New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 19:51:17 UTC
From: Artek Manuals
Topic: 32708 Message: 32759

OK Tony ....I'll bite ..._WHY_..do you say AVOID odd multiples?
Can you site theory or an article based in theory somewhere to support
this advice?

Dave
NR1DX

1On 6/11/2014 1:58 PM, 'tony costa' k2vi@... [ham-antennas] wrote:
>
> 150' minimum coax length is ridiculous...I had a ta-33m up on my 40'
> tower at my old qth and ran 70' to the shack. the swr was excellent on
> most bands exept 10 meters where it was min 1.7:1 but that was tuned
> easily. So the shorter the better just avoid odd multiples on the
> bands you work.
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32760. Re: [ham-antennas] Re: New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 20:21:00 UTC
From: Billy McFarland
Topic: 32708 Message: 32760

Dave,

Feedline can be used as an impedance transformer

Impedance = square root of impedance of feedline multiplied by impedance of antenna.

So half wave lengths are ideal. However as I said before short as possible always worked for me

73 Billy
GM0OBX
SKCC# 12202

32761. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 20:24:25 UTC
From: Dave
Topic: 32708 Message: 32761

It would seem that you would want the coax to be as short as possible. To have a requirement from a beam manufacturer, that the coax be a minimum length of 150 feet seems incorrect (crazy actually). Using 150 feet of coax will give you at least a DB and a half of loss even with the best coax. Dave. WA6TXU.

Sent from my awesome iPhone 4S

> On Jun 10, 2014, at 8:58 PM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> The manual states 150' minimum of RG213 regardless of distance from shack. It is in the manual. And beeline it or not I decided to try 150' of LMR400 and the swr for the antenna was impacted negatively. By the way, the antenna is a good performer for me but then again one could argue how good is it really.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Jun 10, 2014, at 5:44 PM, "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> What is the minimum length?
>>
>> From: mailto:ham-antennas@yahoogroups.com
>> Sent: Tuesday, June 10, 2014 6:43 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: Re: [ham-antennas] New yagi installation question
>>
>>
>> My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.
>>
>> Just trying to put a wrinkle in this discussion.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos

>>
>>> On Jun 10, 2014, at 3:38 PM, "Artek Manuals nr1dx@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>> Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....
>>>
>>> Dave
>>> NR1DX
>>>
>>>
>>>> On 6/10/2014 5:06 PM, John Molenda brazos@... [ham-antennas] wrote:
>>>>
>>>> The length issue only appears when ladder -balanced line is used correct?Â Â John kb2huk
>>>>
>>>>> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@... [ham-antennas] wrote:
>>>>> Â
>>>>> I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.
>>>>>
>>>>> 73 Billy
>>>>> GM0OBX
>>>>> SKCC# 12202
>>>>>
>>>>> From: k2vi@... [ham-antennas] mailto:ham-antennas@yahoogroups.com;
>>>>> To: mailto:ham-antennas@yahoogroups.com;
>>>>> Subject: [ham-antennas] New yagi installation question
>>>>> Sent: Tue, Jun 10, 2014 3:56:00 PM
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>>>>> Â
>>>>> Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9"Â Â or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1Â 5KW choke balun. 73
>>>>>
>>>>> tony k2vi
>>>
>>>
>>> --
>>> Dave
>>> Manuals@...m
>>> www.ArtekManuals.com
>>>
>>>
>>>
>>> This email is free from viruses and malware because avast! Antivirus protection is active.

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>> No virus found in this message.
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>>
>
>
>

32762. Re: [ham-antennas] Projectile launcher

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 20:26:24 UTC
From: Dave
Topic: 32632 Message: 32762

nothing like the sound of a minigun & 04:30.... Then again, I kinda liked the idea of a Stoner as the early "Personal Defense Weapon" as long as we had spare ammo boxes for her.. Always thought a mingun on an old M274 would've been a good "patrol" vech for some parts.. the old 106 was nice but couldnt carry enuff. rounds... Hey.. thats it..a MULE with a 106 for a antenna launcher....now where's that roll of comm wire....

On Wednesday, June 11, 2014 3:31 PM, "'John Murphy' jmurphy7411@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Funny Tim and whoever the other person is. Yes a few (some not so pleasant) memories.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing
GMRS Licensee WQOW801
PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"
PIO Adams County (CO) ARES
ARES/RACES/AFMARS Nothwest Area, Region 8
USAF Security Police, 1973-84
Owner, Oil Country Radio’s
701-421-1134
Business Email: ocr58763@...
Personal Email: jmurphy7411@...

From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 10, 2014 8:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Projectile launcher

THAT... brings back a few memories..... beware of things that go THUMP in teh night...

On Tuesday, June 10, 2014 4:39 PM, "Timothy-Allen Albertson kd0oia@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

give me an M79 and I will get that thing over that damn limb

72/73 TIMOTHY-ALLEN ALBERTSON
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On Tue, Jun 10, 2014 at 3:28 PM, W1JCW w1jcw@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Built my own for $30.

4" X 2' air chamber, 1.25" ballcock, PSI gauge, air valve, check valve, into a 4' x 1.5" launch tube.

Made up 3" x 1.5" pvc pieces with end caps, swivel fishing catch. 15lbs test mono line, open bailer real,
two stainless hose clamps.

Over a 100' range with 50psi. No more slingshots, fishing poles or bows.

This gets over the largest trees in this area.

I have pics if anyone is interested.

Blast off !

73-
W1JCW

32763. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:12:55 UTC
From: Keith Heimbold
Topic: 32708 Message: 32763

I asked Greg at Mosley about it and he says it is part of the design. I know it sounds weird. The antenna works great. No complaints.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 11, 2014, at 1:24 PM, "Dave wa6txu@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> It would seem that you would want the coax to be as short as possible. To have a requirement from a beam manufacturer, that the coax be a minimum length of 150 feet seems incorrect (crazy actually). Using 150 feet of coax will give you at least a DB and a half of loss even with the best coax. Dave. WA6TXU.
>
> Sent from my awesome iPhone 4S
>
>> On Jun 10, 2014, at 8:58 PM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> The manual states 150' minimum of RG213 regardless of distance from shack. It is in the manual. And beeline it or not I decided to try 150' of LMR400 and the swr for the antenna was impacted negatively. By the way, the antenna is a good performer for me but then again one could argue how good is it really.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>> On Jun 10, 2014, at 5:44 PM, "'Walt Wilson' WWILSON@triad.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>> What is the minimum length?
>>>
>>> From: mailto:ham-antennas@yahoogroups.com
>>> Sent: Tuesday, June 10, 2014 6:43 PM
>>> To: ham-antennas@yahoogroups.com
>>> Subject: Re: [ham-antennas] New yagi installation question
>>>
>>>
>>> My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received

incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.
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>>> Keith
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>>>> On Jun 10, 2014, at 3:38 PM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>>>> Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....
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>>>> Dave
>>>> NR1DX
>>>>
>>>>
>>>>> On 6/10/2014 5:06 PM, John Molenda brazos@rochester.rr.com [ham-antennas] wrote:
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>>>>> The length issue only appears when ladder -balanced line is used correct?Â Â John kb2huk
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>>>>>> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@yahoo.co.uk [ham-antennas] wrote:
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>>>>>> I have never had any issues with lengths of coax other than keep it as short as possible. Avoid off lengths where the impedance can be transformed.
>>>>>>
>>>>>> 73 Billy
>>>>>> GM0OBX
>>>>>> SKCC# 12202
>>>>>>
>>>>>> From: k2vi@cox.net [ham-antennas] mailto:ham-antennas@yahoogroups.com;
>>>>>> To: mailto:ham-antennas@yahoogroups.com;
>>>>>> Subject: [ham-antennas] New yagi installation question
>>>>>> Sent: Tue, Jun 10, 2014 3:56:00 PM
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>>>>>> tony k2vi
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>>>> Dave
>>>> Manuals@ArtekManuals.com
>>>> www.ArtekManuals.com
>>>>
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>

32764. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:21:38 UTC
From: Artek Manuals
Topic: 32708 Message: 32764

Or said another way

They couldn't achieve a low enough SWR and meet other design goals (BY DESIGN) so they rely on the losses in 150 feet of coax to flatten the SWR curve (BY DESIGN)..what a chuckle

Dave
NR1DX

On 6/11/2014 4:12 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
> I asked Greg at Mosley about it and he says it is part of the design.
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> Keith
> AK6ZZ
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> Sent from my iPhone please excuse typos
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> On Jun 11, 2014, at 1:24 PM, "Dave wa6txu@...
> <mailto:wa6txu@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
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>> On Jun 10, 2014, at 8:58 PM, "Keith Heimbold ag6az@...
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>>>> *From:* mailto:ham-antennas@yahoogroups.com
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>>>> *To:* ham-antennas@yahoogroups.com
>>>> <mailto:ham-antennas@yahoogroups.com>
>>>> *Subject:* Re: [ham-antennas] New yagi installation question
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>>>>>>>>

>>>>>>> 73 Billy
>>>>>>> GM0OBX
>>>>>>> SKCC# 12202
>>>>>>>
>>>>>>> ----------
>>>>>>> *From: *k2vi@... [ham-antennas]
>>>>>>> mailto:ham-antennas@yahoogroups.com;
>>>>>>> *To: *mailto:ham-antennas@yahoogroups.com;
>>>>>>> *Subject: *[ham-antennas] New yagi installation question
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>>>>> --
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>>>>> Manuals@...
>>>>> www.ArtekManuals.com
>>>>>
>>>>>
>>>>> ----------
>>>>> <http://www.avast.com/>
>>>>>
>>>>> This email is free from viruses and malware because avast!
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Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:25:30 UTC
From: Billy McFarland
Topic: 32708 Message: 32765

That's probably more like the thing. Like the comet cha 250 it achieves low swr on a lot if bands due to the lossy 6:1 transformer. Poor really but that's the reality.

73 Billy
GM0OBX
SKCC# 12202

32766. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:27:50 UTC
From: Keith Heimbold
Topic: 32708 Message: 32766

I think they probably designed it that way for the three elements on 40m, but not sure. It works great for me so I am not complaining.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 11, 2014, at 2:21 PM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Or said another way
>
> They couldn't achieve a low enough SWR and meet other design goals (BY DESIGN) so they rely on the losses in 150 feet of coax to flatten the SWR curve (BY DESIGN)..what a chuckle
>
> Dave
> NR1DX
>
>> On 6/11/2014 4:12 PM, Keith Heimbold ag6az@hotmail.com [ham-antennas] wrote:
>>
>> I asked Greg at Mosley about it and he says it is part of the design. I know it sounds weird. The antenna works great. No complaints.
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>> Keith
>> AK6ZZ
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>> Sent from my iPhone please excuse typos
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>> On Jun 11, 2014, at 1:24 PM, "Dave wa6txu@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>>
>>> It would seem that you would want the coax to be as short as possible. To have a requirement from a beam manufacturer, that the coax be a minimum length of 150 feet seems incorrect (crazy actually). Using 150 feet of coax will give you at least a DB and a half of loss even with the best coax. Dave. WA6TXU.
>>>
>>> Sent from my awesome iPhone 4S
>>>
>>> On Jun 10, 2014, at 8:58 PM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>
>>>> The manual states 150' minimum of RG213 regardless of distance from shack. It is in the manual. And beeline it or not I decided to try 150' of LMR400 and the swr for the

antenna was impacted negatively. By the way, the antenna is a good performer for me but then again one could argue how good is it really.
>>>>
>>>> Keith
>>>> AK6ZZ
>>>>
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>>>> On Jun 10, 2014, at 5:44 PM, "'Walt Wilson' WWILSON@triad.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>>
>>>>>
>>>>> What is the minimum length?
>>>>>
>>>>> From: mailto:ham-antennas@yahoogroups.com
>>>>> Sent: Tuesday, June 10, 2014 6:43 PM
>>>>> To: ham-antennas@yahoogroups.com
>>>>> Subject: Re: [ham-antennas] New yagi installation question
>>>>>
>>>>>
>>>>> My Mosley S33 requires a minimum length run of RG213. It might be the only Yagi in the world that requires such tomfoolery. I asked Gary at Mosley what the deal is with that and he said it is based on their design. I know I have mentioned this before and received incredulous comments but it is in the instruction and assembly manual and it is specific on minimum length.
>>>>>
>>>>> Just trying to put a wrinkle in this discussion.
>>>>>
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>>>>> AK6ZZ
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>>>>>>
>>>>>> Even then only with certain types of antennas and line matching systems (Baluns, Antenna tuners etc)....
>>>>>>
>>>>>> Dave
>>>>>> NR1DX
>>>>>>
>>>>>>
>>>>>>> On 6/10/2014 5:06 PM, John Molenda brazos@rochester.rr.com [ham-antennas] wrote:
>>>>>>>
>>>>>>> The length issue only appears when ladder -balanced line is used correct?Ã, Ã, John kb2huk
>>>>>>>> On 6/10/2014 11:07 AM, Billy McFarland gm0obx@yahoo.co.uk [ham-antennas] wrote:
>>>>>>>> Ã,
>>>>>>>> I have never had any issues with lengths of coax other than keep it as short as

possible. Avoid off lengths where the impedance can be transformed.
>>>>>>>>
>>>>>>>> 73 Billy
>>>>>>>> GM0OBX
>>>>>>>> SKCC# 12202
>>>>>>>>
>>>>>>>> From: k2vi@cox.net [ham-antennas] mailto:ham-antennas@yahoogroups.com;
>>>>>>>> To: mailto:ham-antennas@yahoogroups.com;
>>>>>>>> Subject: [ham-antennas] New yagi installation question
>>>>>>>> Sent: Tue, Jun 10, 2014 3:56:00 PM
>>>>>>>>
>>>>>>>> Ã,
>>>>>>>> Hi there fellow hams. My question is. I am putting up a 3 element 20 meter monoband yagi. Hy gain 203BA. I am trying to figure out what the best length of davis bury flex coax would be. My calculations are 43' 9"Ã, Ã, or 128' 3" . Would anyone have a formula or just advise the perfect length of coax for this installation. I am using a balun design 1:1Ã, 5KW choke balun. 73
>>>>>>>>
>>>>>>>> tony k2vi
>>>>>>
>>>>>>
>>>>>> --
>>>>>> Dave
>>>>>> Manuals@ArtekManuals.com
>>>>>> www.ArtekManuals.com
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>>>>>> This email is free from viruses and malware because avast! Antivirus protection is active.
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>>>>> No virus found in this message.
>>>>> Checked by AVG - www.avg.com
>>>>> Version: 2014.0.4570 / Virus Database: 3955/7655 - Release Date: 06/10/14
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> Dave
> Manuals@ArtekManuals.com
> www.ArtekManuals.com
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>
> This email is free from viruses and malware because avast! Antivirus protection is active.
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>

32767. Re: [ham-antennas] Re: New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:31:53 UTC
From: Artek Manuals
Topic: 32708 Message: 32767

Billy
What you say is true of feed-line when _*mismatched*_. This will indeed produce a different output impedance as a function of the feed line length. By varying the line length you will find certain output impedance's that your built-in tuner can handle and conversely certain impedance's that your built in tuner can not tune. Assuming the lossless case for the sake of simplicity the SWR on the feed-line does not change as a function of length. The SMITH CHART is basically built around this principle

However a feed-line terminated in its characteristic impedance (i.e 50 ohm termination for 50 ohm coax) transforms nothing and will always show 50 ohms at the far end regardless of length. Assumes lossless coax which for this argument is close enough
Dave
NR1DX

On 6/11/2014 3:21 PM, Billy McFarland gm0obx@... [ham-antennas]
wrote:
>
> Dave,
>
> Feedline can be used as an impedance transformer
>
> Impedance = square root of impedance of feedline multiplied by
> impedance of antenna.
>
> So half wave lengths are ideal. However as I said before short as
> possible always worked for me
>
> 73 Billy
> GM0OBX
> SKCC# 12202
>
>
> ---
> *From: * Artek Manuals nr1dx@... [ham-antennas]
> <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] Re: New yagi installation question
> *Sent: * Wed, Jun 11, 2014 7:51:17 PM
>
> ?
>
> OK Tony ....I'll bite ..._WHY_..do you say AVOID? odd multiples?

> Can you site theory or an article based in theory somewhere to support
> this advice?
>
> Dave
> NR1DX
>
> 1On 6/11/2014 1:58 PM, 'tony costa' k2vi@... [ham-antennas] wrote:
>> ?
>>
>> 150' minimum coax length is ridiculous...I had a ta-33m up on my 40'
>> tower at my old qth and ran 70' to the shack. the swr was excellent
>> on most bands exept 10 meters where it was min 1.7:1 but that was
>> tuned easily. So the shorter the better just avoid odd multiples on
>> the bands you work.
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32768. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:35:01 UTC
From: Artek Manuals
Topic: 32708 Message: 32768

I think they pull the same stunt on the Hi-tower vertical. Don't they specify at least 100' (or more) of coax for that too?

On 6/11/2014 4:27 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
> I think they probably designed it that way for the three elements on
> 40m, but not sure. It works great for me so I am not complaining.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Jun 11, 2014, at 2:21 PM, "Artek Manuals nr1dx@...
> <mailto:nr1dx@...> [ham-antennas]" <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
>> Or said another way
>>
>> They couldn't achieve a low enough SWR and meet other design goals (
>> BY DESIGN) so they rely on the losses in 150 feet of coax to flatten
>> the SWR curve (BY DESIGN)..what a chuckle
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>> NR1DX
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>> On 6/11/2014 4:12 PM, Keith Heimbold ag6az@... [ham-antennas]
>> wrote:
>>> I asked Greg at Mosley about it and he says it is part of the
>>> design. I know it sounds weird. The antenna works great. No complaints.
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>>> Keith
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>>>
>>> Sent from my iPhone please excuse typos
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>>> On Jun 11, 2014, at 1:24 PM, "Dave wa6txu@...
>>> <mailto:wa6txu@...> [ham-antennas]"
>>> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
>>> wrote:
>>>
>>>> It would seem that you would want the coax to be as short as
>>>> possible. To have a requirement from a beam manufacturer, that the
>>>> coax be a minimum length of 150 feet seems incorrect (crazy
>>>> actually). Using 150 feet of coax will give you at least a DB and
>>>> a half of loss even with the best coax. Dave. WA6TXU.

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>>>> Sent from my awesome iPhone 4S
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>>>> On Jun 10, 2014, at 8:58 PM, "Keith Heimbold ag6az@...
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>>>> <ham-antennas@yahoogroups.com
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>>>>> The manual states 150' minimum of RG213 regardless of distance
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>>>>> to try 150' of LMR400 and the swr for the antenna was impacted
>>>>> negatively. By the way, the antenna is a good performer for me but
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>>>>> <ham-antennas@yahoogroups.com
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>>>>>>>> Even then only with certain types of antennas and line matching
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>>>>>>>>
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>>>>>>>>>> tony k2vi
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>>>
>>>>>>>>
>>>>>>>>
>>>>>>>> --
>>>>>>> Dave
>>>>>>> Manuals@...
>>>>>>> www.ArtekManuals.com
>>>>>>>

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>>>>>>> ----------------------------------------------------------------------
>>>>>>> <http://www.avast.com/>
>>>>>>>
>>>>>>> This email is free from viruses and malware because avast!
>>>>>>> Antivirus <http://www.avast.com/> protection is active.
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Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com
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32769. Re: [ham-antennas] New yagi installation question

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:56:36 UTC
From: Keith Heimbold
Topic: 32708 Message: 32769

I don't know about that particular antenna. The S33 has a short boom for 40m (24') for a three element antenna and shortened elements as well (around 40'). I am not sure why they designed it the way they did.

The antenna works well for my purposes and it had been great on all bands it is designed to work on. I am sure it is a compromise antenna but still performs well and I have worked a lot more DX on 40m than I did before.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 11, 2014, at 2:35 PM, "Artek Manuals nr1dx@arrl.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I think they pull the same stunt on the Hi-tower vertical. Don't they specify at least 100' (or more) of coax for that too?
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> www.ArtekManuals.com
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32770. AW: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 21:57:07 UTC
From: siegfried jackstien
Topic: 32741 Message: 32770

Maybe the cable guy did not ask nor was it given to him (or in other words
he stole it)

Dg9bfc

Sigi

Ps ... I really like my 2 new analyzers

A sark100/mini60 for shortwave

And my new kc901h (scalar nwa up to 3 gig)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 11. Juni 2014 17:42
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and
> Accuracy
>
>
>
> You gave it to him? Geeez you have lots of money to throw around
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Wednesday, June 11, 2014 12:53 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and
> Accuracy
>
>
>
> My cable guy liked my AA-54 so much he took it with him after repairing my
> cable modem.
>
>
>
> I like the AA54 so much I purchased another one.
>
>
>
> Bill KB2GF
>
>
> No virus found in this message.

> Checked by AVG - www.avg.com
> Version: 2014.0.4570 / Virus Database: 3955/7661 - Release Date: 06/11/14
>
>

32771. Re: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 22:43:53 UTC
From: Original Woodchuck
Topic: 32619 Message: 32771

On Wed, Jun 11, 2014 at 09:34:08AM -0700, wa1rkt@... [ham-antennas] wrote:
> Tried running a 52-ft counterpoise wire at about 7 feet elevation from the 23-foot motorhome frame near where the coax connects, to a convenient tie-off point, running in roughly the opposite direction to a 50-foot radiator sloping up to about 25 feet high up a tree. The counterpoise didn't make a significant difference in the MFJ analyzer measurements, in fact above about 7 MHz it made no measurable difference at all, i.e. any difference can be accounted for by the fact that frequency on the MFJ-269 can't be set very accurately.

So the counterpoise is just another wire attached to the MH, and you are still feeding the MH skin with one leg of the coax? I thought the purpose of the CP wire was to get the MH disconnected from the antenna feed.

In my model, I use a right-handed coordinate system, X, Y, Z.
The X axis emerges from the "screen", + towards the viewer.
The Y axis lies in the screen, + rightwards.
The Z axis lies in the screen, + upwards.
(In "mathese", let xhat, yhat and zhat be unit vectors such that xhat=(1,0,0), yhat=(0,1,0), zhat=(0,0,1). Then xhat CROSS yhat = zhat, yhat CROSS zhat = xhat, and zhat CROSS xhat = yhat)
You know this, but we may have spectators who don't.)

The motorhome is oriented so that its length, or long axis, is parallel to the X axis, symmetric about the XZ plane. The wire radiator lies in the XZ plane. In other words, if the MH were being driven, it would go in the +X direction and the wire would trail behind it as if held aloft by a kite. The earth is the XY plane.

In either example below, I no longer understand where the wire or counterpoise are.

Do you have the facility (and desire) to compile and run a small C language program in a "text" window, and capture the output to a file suitable for input to your modelling software? Although used here on *n*x, it should be ANSI compliant and compile and run on just about anything with a C or C++ compiler. The program has no input, and writes on standard output. The output is a wireframe model of the motorhome, produced as a NEC2 input deck, with a wire, and minimal other cards to produce an executable NEC2 input deck as-is. Configuration is by changing #define statements within the program using a text editor such as vi.

> Below 7 MHz here are the measurements with and without the counterpoise wire.
>
> Numbers are: Freq(MHz) / Impedance / Phase(deg) / SWR. First group is with the counterpoise and 2nd group is without.

Truth will out... Now I see that your earlier post of readings, although called R and X, may really have been magnitude and phase. mag = hypotenuse(R,X), phase = arctan(X/R).

My modelling results were all in R and X where Z = R + jX

To calibrate frequency on any analyzer: fit it with a little "antenna", such as six inches of bare wire stuck in the center conductor of the output SO-239. Turn it on near (a few feet from) a receiver set to AM. A portable SWL receiver with a whip is very handy. You may want to retract the whip all the way. Tune analyzer to nominal frequency, then find it on the receiver. (Or vice-versa, tune in the radio, then sweep the analyzer freq setting until you get max scream.) You will know when you're on frequency! Receivers, if recent, are pretty good at this; verify them with WWV, naturally. My MFJ259B with digital display agrees very closely with what I see on a Grundig receiver. (I throw in some RF attenuation when doing this.)

>
> 2 / 203 / 90 / >31
> 3 / 110 / 88 / >31
> 4 / 49 / 41 / 2.2
> 5 / 193 / 47 / 5.5
> 6 / 119 / 83 / 22.2
> 7 / 78 / 87 / >31
>
> 2 / 208 / 89 / >31
> 3 / 115 / 87 / >31
> 4 / 59 / 65 / 4.7
> 5 / 203 / 37 / 4.8
> 6 / 123 / 81 / 17.9
> 7 / 80 / 87 / >31
>
> Doesn't look like the counterpoise brings anything to the table over the end-fed wire working against the motorhome body, except perhaps a different radiation pattern.
>
> Rick WA1RKT

More later tonight, maybe.

73

Dave AB3NR "Simulating competence since 1947"

32772. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 22:48:02 UTC
From: Andy
Topic: 32741 Message: 32772

I have heard of one or two people who had suspect MFJ-259/269's, whose readings did not make any sense. I don't know if it was a calibration issue or what. Other than that, I think these meters are fairly decent for what you paid for. Don't expect precision, don't expect good readings when you get far from 50 ohms, but otherwise, they aren't that bad.

Remember that the MFJ-269 has a setting to control "nominal" impedance. If someone has set it to 600 ohms and you use it on a 50 ohm system, its SWR readings won't look right to you until you reset that setting.

I suspect the biggest reason for difference between models and measurements, is in the models and modeling. Perhaps the models are incomplete (if it's anything other than a wire dipole or a vertical over a very good ground system, it might be). Some things model well; others do not, except that you can use them for comparative purposes if you take the absolute data with a big grain of salt. There are some structures that just do not model as well as we would like them to, when using NEC-based modeling programs.

Many people model the antenna but forget to include the feedline. You can load up a coax feedline with nothing on the end of it.

Another reason for measurement errors, is if there is some common-mode feedline radiation going on. If the readings change when you touch or approach the meter, then that is probably happening.

Andy

32773. Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 23:29:51 UTC
From: wa1rkt@...
Topic: 32619 Message: 32773

>> I thought the purpose of the CP wire was to get
>> the MH disconnected from the antenna feed.

That's not easy, with the way things are currently mounted. But yes, ultimately that's one objective. But it's intended more as an academic exercise than anything else, just to see how it acts... we won't often be able to deploy the antenna that way in the field and will usually be stuck with an end-fed wire tied to a nearby tree.

>> The motorhome is oriented so that its length, or long axis, is parallel to the X axis,
>> symmetric about the XZ plane. The wire radiator lies in the XZ plane. In other
>> words, if the MH were being driven, it would go in the +X direction and the wire
>> would trail behind it as if held aloft by a kite.

Pretty much. The wire is connected at the top rear passenger-side corner of the motorhome body, and extends rearward and upward from there. The counterpoise wire extended from there forward along the body of the motorhome and then further to a total of 52 feet.

>> Truth will out... Now I see that your earlier post of readings, although
>> called R and X, may really have been magnitude and phase.

No, they were really R and X. I only started using magnitude and phase over the last couple of days, after I discovered how to set up the analyzer to output that... this is the first time I've used one of those analyzers and it didn't come with an instruction manual.

>> To calibrate frequency on any analyzer:...

I tried listening to the output of the analyzer on my IC-706 and it was close enough... when I mentioned that frequency on the MFJ-269 can't be set very accurately, I meant repeatability... you breathe on the tuning knob and it wanders on down the road by a few tens of KHz.

Rick WA1RKT

32774. Re: AW: AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 23:43:38 UTC
From: rob@...
Topic: 32692 Message: 32774

Thanks Sigi and Geoff (and Bill who PM'd), Seems to work ok now without the 1/2-wave coax balun. I did put a 5-coil ugly balun in the LMR-240 feedline to block common mode RF. The hairpin doesn't seem to make much difference. Need to borrow an analyzer to see what's there. MMANA says impedance should be 55.28+j3.24 (SWR = 1.12), but would like to confirm. As an alternative to a gamma match, I've seen references to "transformer baluns" that consist of two side-by-side 1/4-wave pieces of coax wired to raise or lower the apparent antenna impedance to 50 ohms. Haven't found details, and don't know yet what impedance is being currently being presented. We'll see . . ..
73
Rob K6RGI

32775. AW: [ham-antennas] Re: Portable end-fed wire antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-11 23:42:00 UTC
From: siegfried jackstien
Topic: 32619 Message: 32775

Put an atu at the base and it will tune near any length to any band

If you had used a longer radiator around 60 feet you would have resonance on 80

Add another 30 feet wire to another tree and you have resonance on 40m

We often use such a setup on fieldday (2 wires against mobile home)

And I also used it while on a camping lot :-)

With atu at the base your antenna should NOT be resonant on 80 as a quarterwave (otherwise high impedance on 40 and atu will not find a match)

So ... question is ... what you wanna do with your radiator?!? Monoband and resonant on that band? ... or multiband and easy to tune on any band??

With that in mind you can select to either use 27m and an atu ...

Or use 10 and 20m and feed it direct with coax

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 11. Juni 2014 23:30
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Portable end-fed wire antennas
>
>
>
>
> >> I thought the purpose of the CP wire was to get
> >> the MH disconnected from the antenna feed.
>
> That's not easy, with the way things are currently mounted. But yes,
> ultimately that's one objective. But it's intended more as an academic
> exercise than anything else, just to see how it acts... we won't often be
> able to deploy the antenna that way in the field and will usually be stuck
> with an end-fed wire tied to a nearby tree.
>
> >> The motorhome is oriented so that its length, or long axis, is parallel
> to the X axis,
> >> symmetric about the XZ plane. The wire radiator lies in the XZ plane.
> In other
> >> words, if the MH were being driven, it would go in the +X direction and

> the wire
> >> would trail behind it as if held aloft by a kite.
>
> Pretty much. The wire is connected at the top rear passenger-side corner
> of the motorhome body, and extends rearward and upward from there. The
> counterpoise wire extended from there forward along the body of the
> motorhome and then further to a total of 52 feet.
>
> >> Truth will out... Now I see that your earlier post of readings,
> although
> >> called R and X, may really have been magnitude and phase.
>
> No, they were really R and X. I only started using magnitude and phase
> over the last couple of days, after I discovered how to set up the
> analyzer to output that... this is the first time I've used one of those
> analyzers and it didn't come with an instruction manual.
>
> >> To calibrate frequency on any analyzer:...
>
> I tried listening to the output of the analyzer on my IC-706 and it was
> close enough... when I mentioned that frequency on the MFJ-269 can't be
> set very accurately, I meant repeatability... you breathe on the tuning
> knob and it wanders on down the road by a few tens of KHz.
>
> Rick WA1RKT
>
>
>
>

32776. Re: MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 00:12:31 UTC
From: Ralph Javins
Topic: 32741 Message: 32776

Good morning;

The accuracy of the MFJ 259 and 269 Antenna Analyzers is reasonable. And they certainly do cover a very wide range. My RF Impedance Bridges are nowhere near being at all similarly portable.

One way to make a "self check" with them is to watch the impedance indicator meter or the digital display portion where the impedance (Z) is shown. Use that number found there and perform the old calculation to see what it says that the SWR (Standing Wave Ratio) number should be. You may find that it really is pretty good, and certainly close enough for our work.

For us, the main thing is to get the antenna SWR minimum close to the frequency of interest, and adjust the antenna, or the matching network, so that the SWR is down to a number of probably no more than 2 : 1, which also represents just about a 10 % reflected power level back to the source generator. At that point, you are close enough for operational requirements. If the SWR is down to 1.5 : 1, don't worry about trying to get it any lower.

No, the common antenna analyzers we have may not be the equal of laboratory standard quality instruments, but they do have the virtue of great portability and operation away from 117 VAC 60 cps electrical power, in addition to being much smaller and lighter in weight (that portability thing again).

If you truly need even easier portability, look at the iPortable iP30z or the iP60z. This is a very small aluminum cased analyzer that goes into a shirt pocket, and displays the frequency tuned, the SWR, and the impedance, but no sign of the impedance on the display, so you will need to use the old fashioned way of changing the frequency to see if the impedance number rises or falls to see if the reactance is capacitive or inductive. but operationally, the three numbers presented are all that you really need to tune your antenna to where it needs to be. And there are some other similarly sized analyzers that will also work about the same way, such as the Autek RF Analyst, and some others.

And if you forget and leave it at home, you can still do the job with just the built-in SWR indicator in the radio, and do it the old fashioned way. It will take longer, yes, but it can be done.

Enjoy, and 73;

Ralph, N7KGA

Latte Land, Washington

32777. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 01:24:05 UTC
From: Original Woodchuck
Topic: 32741 Message: 32777

On Wed, Jun 11, 2014 at 06:48:02PM -0400, Andy ai.egrps@... [ham-antennas] wrote:
>
> I suspect the biggest reason for difference between models and
> measurements, is in the models and modeling. Perhaps the models are
> incomplete (if it's anything other than a wire dipole or a vertical over a
> very good ground system, it might be). Some things model well; others do

The Norton-Sommerfeld ground is quite good. This is called "real ground"
in the EZNEC codes, I believe.

There are issues with NEC2 with segmentation and the angles at which
wires meet. NEC2 has other issues. The USG is very stingy about NEC4,
which solves some (not all) of these issues, licensing a Fortran code;
I doubt that more than one ham in a hundred can compile Fortran for
Windoze, and then make reasonable use of the result without mouse-clicky
interfaces. Vendors exploit this mercilessly. Academics, for a variety
of reasons, are not so forthcoming as once they were, sending you (from
their tax-funded offices) lawyer-letters instead of source code.

> not, except that you can use them for comparative purposes if you take the
> absolute data with a big grain of salt. There are some structures that
> just do not model as well as we would like them to, when using NEC-based
> modeling programs.

W4RNL(SK) has many articles on this subject. www.cebik.com and antennex.com.

But while numeric models have their problems, so do measurements
with the equipment and ad hoc antenna ranges available to hams without
lottery-winning talents. It is probably as dangerous to take an abstract
model and pontificate about its performance in John Doe's backyard,
as it is to make a series of readings in Doe's backyard and talk about
how antenna theory has been overturned. Real measurements get horrible
when we start comparing measurements with a Brand-X meter in Doe's yard
in Chicago with those taken with a Brand-Y meter in Shmoe's seashore DX
Paradise in the lesser Antilles.

Measurements made at the actual site are probably the gold standard,
though.

> Many people model the antenna but forget to include the feedline. You can
> load up a coax feedline with nothing on the end of it.

I deliberately ignore feedlines. Any model I submit here will have a
feedpoint, and any SWR/Z values refer to that point. NEC2 doesn't
do feedlines too well. (Correct me if I'm wrong!)

I need a tutorial on feedline modelling in NEC2 using the TL card, BTW.
URL or Elmering on- or off-list.

....
> Andy

Dave AB3NR

32778. Re: [ham-antennas] MFJ-269x Antenna Analyzer Reliability and Accuracy

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 05:27:55 UTC
From: Geoff NW7GM
Topic: 32741 Message: 32778

On Jun 11, 2014 6:24 PM, "Original Woodchuck marmota@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

> I need a tutorial on feedline modelling in NEC2 using the TL card, BTW.
> URL or Elmering on- or off-list.
>

I would like this information as well.

Thanks,

Geoff, NW7GM
Seattle, WA
CN87tr

32779. RE: [ham-antennas] Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 15:46:33 UTC
From: ve1rsm@...
Topic: 32745 Message: 32779

We were trying to figure out the placement of the 40 meter trap that came with the antenna since it was not in the manual.

We thought it would be too heavy to have it at the top since it is quite large and the heaviest.

Otherwise we had the traps as per the manual, 10 then 15 and 20 at the top.

Bob

32780. RE: [ham-antennas] Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 16:14:04 UTC
From: Joe Hutchens
Topic: 32745 Message: 32780
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

32781. Re: [ham-antennas] Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 16:56:35 UTC
From: Walt Wilson
Topic: 32745 Message: 32781

Find information attached

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, June 12, 2014 11:46 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Hy Gain 14AVQ Vertical

We were trying to figure out the placement of the 40 meter trap that came with the antenna since it was not in the manual.

We thought it would be too heavy to have it at the top since it is quite large and the heaviest.

Otherwise we had the traps as per the manual, 10 then 15 and 20 at the top.

Bob

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3964/7665 - Release Date: 06/12/14

[Non-text portions of this message have been removed]

32782. RE: [ham-antennas] Hy Gain 14AVQ Vertical

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 18:19:55 UTC
From: Ray Kasprzak
Topic: 32745 Message: 32782

There is no 40 meter trap on a 14AVQ.

□ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://rkasprzak.smugmug.com/

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: ve1rsm@... [ham-antennas]
Date: 6/12/2014 10:46:38 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Hy Gain 14AVQ Vertical

We were trying to figure out the placement of the 40 meter trap that came with the antenna since it was not in the manual.

We thought it would be too heavy to have it at the top since it is quite large and the heaviest.

Otherwise we had the traps as per the manual, 10 then 15 and 20 at the top.

Bob

32783. AW: AW: AW: [ham-antennas] Trying to find cause of high SWR on 2m Yagi

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 19:00:17 UTC
From: siegfried jackstien
Topic: 32692 Message: 32783

```
>
> Thanks Sigi and Geoff (and Bill who PM'd),
> Seems to work ok now without the 1/2-wave coax balun. I did put a 5-coil
> ugly balun in the LMR-240 feedline to block common mode RF. The hairpin
> doesn't seem to make much difference. Need to borrow an analyzer to see
> what's there. MMANA says impedance should be 55.28+j3.24 (SWR = 1.12),
> but would like to confirm. As an alternative to a gamma match, I've seen
> references to "transformer baluns" that consist of two side-by-side 1/4-
> wave pieces of coax wired to raise or lower the apparent antenna impedance
> to 50 ohms. Haven't found details, and don't know yet what impedance is
> being currently being presented. We'll see . . ..
```

If mmana says 55 ohms ... push the first director a tiny bit towards radiator and you should get closer to 50 ohms

The transformer baluns are used on lower impedance antennas (28 ohms high gain yagi as an example) ... use 2 times 72 ohms (75 ohm) ... that is around 36-38 ohms ... transforming the 28 ohms up to 50 ohms

Dg9bfc

Sigi

32784. Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 21:04:34 UTC
From: tivoligardens@...
Topic: 32784 Message: 32784

hello all

Can the individual strands of a cat-5 cable be used for a QRP dipole ?

Thanks
Hal 54hal

32785. Re: [ham-antennas] Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-12 23:15:10 UTC
From: Don Sanders
Topic: 32784 Message: 32785

Yes , strip the ends of each wire and solder them together, one set on each side of center feed point.
If each side is 44 foot long and you use open wire parallel feedline and tuner it will work 80 thru 15.

Don W4BWS

On Thu, Jun 12, 2014 at 4:04 PM, tivoligardens@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> hello all
>
>
> Can the individual strands of a cat-5 cable be used for a QRP dipole ?
>
>
> Thanks
>
> Hal 54hal
>
>
>

--
Dr. Don W4BWS

32786. Re: [ham-antennas] Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 00:11:14 UTC
From: Kevin Kleinfelter
Topic: 32784 Message: 32786

And I can attest that the individual strands of a 4-wire telephone cable can be used for a dipole. You may be familiar with the Norcal Doublet. I built essentially the same thing from a 50 foot telephone extension cord. Rip out 25 feet of the middle 2 conductors and you have a 25 foot dipole with a 25 foot parallel feed line.

It wasn't great, but it was certainly adequate. At $1.99 (on sale) it was among the cheaper antenna experiments.
Kevin / K4KPK

On Thu, Jun 12, 2014 at 5:04 PM, tivoligardens@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> hello all
>
>
> Can the individual strands of a cat-5 cable be used for a QRP dipole ?
>
>
> Thanks
>
> Hal 54hal
>
>
>

32787. Re: [ham-antennas] Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 00:13:49 UTC
From: Timothy-Allen Albertson
Topic: 32784 Message: 32787

now that is a damn good idea

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Thu, Jun 12, 2014 at 7:11 PM, Kevin Kleinfelter
kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

>
>
> And I can attest that the individual strands of a 4-wire telephone cable
> can be used for a dipole. You may be familiar with the Norcal Doublet. I
> built essentially the same thing from a 50 foot telephone extension cord.
> Rip out 25 feet of the middle 2 conductors and you have a 25 foot dipole
> with a 25 foot parallel feed line.
>
> It wasn't great, but it was certainly adequate. At $1.99 (on sale) it was
> among the cheaper antenna experiments.
> Kevin / K4KPK
>
>
> On Thu, Jun 12, 2014 at 5:04 PM, tivoligardens@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> hello all
>>
>>
>> Can the individual strands of a cat-5 cable be used for a QRP dipole ?
>>
>>
>> Thanks
>>
>> Hal 54hal
>>
>>
>
>

32788. Re: [ham-antennas] Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 01:11:33 UTC
From: tivoligardens@...
Topic: 32784 Message: 32788

Wouldn't using 45 feet and 8 foot sections give me a better tune able antenna ?

Hal w4hal

32789. Re: [ham-antennas] Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 01:42:17 UTC
From: Geoff NW7GM
Topic: 32784 Message: 32789

As can zip cord (or speaker wire).

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 12, 2014 2:04 PM, "tivoligardens@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> hello all
>
>
> Can the individual strands of a cat-5 cable be used for a QRP dipole ?
>
>
> Thanks
>
> Hal 54hal
>
>

32790. Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 16:00:14 UTC
From: Jimmie K9JFK
Topic: 32784 Message: 32790

Hi Hal,
I'd give it a try. I'm currently using a similar size wire for the radial field under a ground mounted vertical. Its a couple of years old and has no problems.

73, Jimmie, k9jfk

>>>

tivoligardens@... [ham-antennas]
To ham-antennas@yahoogroups.com
Jun 12 at 4:04 PM
hello all

Can the individual strands of a cat-5 cable be used for a QRP dipole ?

Thanks
Hal 54hal

Posted by: tivoligardens@...

32791. G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 19:15:27 UTC
From: Hylton Conacher (ZR1HPC)
Topic: 32791 Message: 32791

Hi all,

Sorry to butt in.

I am hoping to put up a G5RV Jnr in the next few days however one of the supports is a suspect chimney.

As I do not want to destroy the chimney I was wondering if anyone knows what the weight is that is pulled by each leg of a G5RV Junior when it is erected as close as possible to horizontal?

Any ideas or pointers on working it out?

73 de ZR1HPC
Hylton
hylton@... but preferably via the list

32792. Re: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 19:37:02 UTC
From: Alex Netherton
Topic: 32791 Message: 32792

Depends on how tight you pull it. Support the feed point and very little. Pull the ends to make it tight, lifting the feed point, coax and feed line and it can be a lot.
73

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On Jun 13, 2014 3:15 PM, "'Hylton Conacher (ZR1HPC)' hylton@conacher.co.za [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi all,
>
> Sorry to butt in.
>
> I am hoping to put up a G5RV Jnr in the next few days however one of the
> supports is a suspect chimney.
>
> As I do not want to destroy the chimney I was wondering if anyone knows
> what the weight is that is pulled by each leg of a G5RV Junior when it
> is erected as close as possible to horizontal?
>
> Any ideas or pointers on working it out?
>
> 73 de ZR1HPC
> Hylton
> hylton@... but preferably via the list
>
>

32793. RE: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 19:46:35 UTC
From: Scott Myers
Topic: 32791 Message: 32793

I wouldn't sweat getting it close to horizontal. 20 degree droop is no problem on a dipole. You normally don't pull them tight to allow for sway in the wind, assuming trees and/or towers are used.

What is the other end's support? That's the big worry on the chimney. If it is a tree, you DO NOT want it pulled taught. The tree will sway in the wind and will pull hard on that chimney in a storm. Not good. Plan in designing in a "weak link" in the support on purpose. You want that link to break and not the antenna or structure in a bad storm. Pulley systems and weights are another alternative to allow for movement.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 13, 2014 3:37 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] G%RV weight?

Depends on how tight you pull it. Support the feed point and very little. Pull the ends to make it tight, lifting the feed point, coax and feed line and it can be a lot.
73

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO

On Jun 13, 2014 3:15 PM, "'Hylton Conacher (ZR1HPC)' hylton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi all,

Sorry to butt in.

I am hoping to put up a G5RV Jnr in the next few days however one of the supports is a suspect chimney.

As I do not want to destroy the chimney I was wondering if anyone knows what the weight is that is pulled by each leg of a G5RV Junior when it is erected as close as possible to horizontal?

Any ideas or pointers on working it out?

73 de ZR1HPC
Hylton
hylton@... but preferably via the list

32794. AW: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 20:06:03 UTC
From: siegfried jackstien
Topic: 32791 Message: 32794

Depends on if your g5rv is made from thicker or thinner wire ... and how much sag you will allow

If pulled hard (to be nearly without sag) the pull force will be nearly in heaven (it is NOT a linear function!)

As more sag you allow and as lihter the wire is as lower the force is

Use al fence wire and the needed force will be WAY lower as when using copper wire

Maybe you can erect a support at the feeding point and have almost no sag then?!?

What about making the feeding point at your chimney and installing a g5rv NOT junior (more bands to play on)

Then your feeding has a support ... and the length that was needed for the jr version should be enough for one leg of the full sized g5rv

(but you have to think where to put the second leg!)

Does not need to be straight (can be a bent dipole)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 13. Juni 2014 19:15
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] G%RV weight?
>
>
>
> Hi all,
>
> Sorry to butt in.
>
> I am hoping to put up a G5RV Jnr in the next few days however one of the
> supports is a suspect chimney.
>
> As I do not want to destroy the chimney I was wondering if anyone knows
> what the weight is that is pulled by each leg of a G5RV Junior when it
> is erected as close as possible to horizontal?
>
> Any ideas or pointers on working it out?

>
> 73 de ZR1HPC
> Hylton
> hylton@... but preferably via the list
>
>
>

32795. Re: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 20:28:16 UTC
From: Alex Netherton
Topic: 32791 Message: 32795

Sorry, I was on a phone, and do not type well there. If you are trying to pull it horizontal, you will put a lot of pressure on the chimney and the other support. Remember that height of the feedpoint above ground can make a *lot* of difference; I have an antenna like a G5RV, a center fed doublet, which a G5RV is modeled on, and I raised the feedpoint a few feet, and the difference was remarkable, so getting the feedpoint up is important.If you cannot support the center, you will have to pull it horizontal, and pressure on the ends goes up. Weights and pulleys or bungee cord will help when the wind blows, but antenna droop can make the difference between an S-7 and an S-9. I finally put the feedpoint on a rope and hoisted it a few feet up in a tree. Wow!!! Makes a difference on receive too.
73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Fri, Jun 13, 2014 at 3:46 PM, 'Scott Myers' ac8de@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I wouldn't sweat getting it close to horizontal. 20 degree droop is no
> problem on a dipole. You normally don't pull them tight to allow for sway
> in the wind, assuming trees and/or towers are used.
>
>
>
> What is the other end's support? That's the big worry on the chimney. If
> it is a tree, you DO NOT want it pulled taught. The tree will sway in the
> wind and will pull hard on that chimney in a storm. Not good. Plan in
> designing in a "weak link" in the support on purpose. You want that link
> to break and not the antenna or structure in a bad storm. Pulley systems
> and weights are another alternative to allow for movement.
>
>
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Friday, June 13, 2014 3:37 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] G%RV weight?

>
>
>
>
>
> Depends on how tight you pull it. Support the feed point and very little.
> Pull the ends to make it tight, lifting the feed point, coax and feed line
> and it can be a lot.
> 73
>
> Alex Netherton
> BlueRidgeDiscovery.org
> Amateur Radio KC4BO
>
> On Jun 13, 2014 3:15 PM, "'Hylton Conacher (ZR1HPC)' hylton@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Hi all,
>
> Sorry to butt in.
>
> I am hoping to put up a G5RV Jnr in the next few days however one of the
> supports is a suspect chimney.
>
> As I do not want to destroy the chimney I was wondering if anyone knows
> what the weight is that is pulled by each leg of a G5RV Junior when it
> is erected as close as possible to horizontal?
>
> Any ideas or pointers on working it out?
>
> 73 de ZR1HPC
> Hylton
> hylton@... but preferably via the list
>
>
>

32796. MFJ-259 and -269 differences?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 22:16:37 UTC
From: wa1rkt@...
Topic: 32796 Message: 32796

I realize I can spend a few hours poring through downloaded manuals and figure this out on my own, but before I do that... anybody know off the top of your head what the differences are between the MFJ-259 and the MFJ-269 antenna analyzers? Is there a website that lists the differences?

Thanks...

Rick WA1RKt

32797. RE: [ham-antennas] MFJ-259 and -269 differences?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 22:18:16 UTC
From: Dave
Topic: 32796 Message: 32797

Hi Rick, as far as I know which is limited – the 269 has provisions for the 440 band – I don’t know the exact freqs it uses - WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 13, 2014 5:17 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] MFJ-259 and -269 differences?

I realize I can spend a few hours poring through downloaded manuals and figure this out on my own, but before I do that... anybody know off the top of your head what the differences are between the MFJ-259 and the MFJ-269 antenna analyzers? Is there a website that lists the differences?

Thanks...

Rick WA1RKt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7673 - Release Date: 06/13/14

32798. Re: [ham-antennas] MFJ-259 and -269 differences?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 23:13:05 UTC
From: Andy
Topic: 32796 Message: 32798

The two differences I believe to be true are:

(1) Only the MFJ-269 covers the 440 MHz band.

(2) The MFJ-269 has more resolution on measurements, due to more bits in its A/D converters (something like 12 bits vs. 8 bit converters in the '259 models).

The recently released MFJ-259C is somewhat improved on the '259B ... the new "C" model goes up to 230 MHz but still does not cover the 440 band, and its lower frequency range encompasses the "AM" broadcast band. I don't know if its A/D is different, or what other differences it has vs. the old '259B.

Andy

32799. RE: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-13 23:20:26 UTC
From: Richard Schmuke
Topic: 32791 Message: 32799

What you want to know can be found at

http://home.earthlink.net/~w6rmk/math/catenary.htm

The sag of the wire is called the catenary and the link has the formaluias
for figuring the force that will be applied to the end but remember if not
supported in the center use have to add in the weight or pull of the hanging
coax not just the weight of the antenna.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 13, 2014 2:15 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] G%RV weight?

Hi all,

Sorry to butt in.

I am hoping to put up a G5RV Jnr in the next few days however one of the
supports is a suspect chimney.

As I do not want to destroy the chimney I was wondering if anyone knows
what the weight is that is pulled by each leg of a G5RV Junior when it
is erected as close as possible to horizontal?

Any ideas or pointers on working it out?

73 de ZR1HPC
Hylton
hylton@... but preferably via the list

[Non-text portions of this message have been removed]

32800. Re: G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 11:53:08 UTC
From: Glen Ellis
Topic: 32791 Message: 32800

.
Guys,

Any measurement on the laterial strength of the chimney ? No ?
Then you need to use a guy wire on the back-side chimney
so that it will not topple.

Always good to use a support in the middle of the antenna wire,
especially where the Feed-Line & Coax are driving the G5RV.

Equations are great ,
but there will always be unknown variables to spoil the results.

Good mechanical intuition says to support this antenna and the chimney,
at all points.
.
Unless you are Planning a Destructive Test ,
add supports at all points !

Failure of the Chimney is not an allowable option !

Glen Ellis

Life is for living ... anything else is for an i-Phone.

FCC Commercial & and Amateur Radio

webpage: http://www.GeoCities.WS/glene77is ARRL, QRP/ARCI, SKCC , NAQCC
bio at QRZ.com

32801. Re: G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 14:40:24 UTC
From: Bill
Topic: 32791 Message: 32801

Hello Hylton,

I was at a my radio club last night where one of our members gave a talk on Antenna Mast, Antennas etc. He is a structural engineer and one thing he said was if you leave some dip in something like a G5RV Antenna, the less the load will be at the 2 end points where it is attached to either the masts or building such as a chimney. He said that in theory, you will never get a perfectly flat span of wire with a dipole or similar between supports as the end loads when trying to get it perfectly straight would be more than the strength of the wire itself and it would break.

I hope that helps,

Bill - G4ERV

--
One difference between the two OSs though is that
Linux progresses. The other decays

32802. AW: [ham-antennas] Re: G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 15:21:32 UTC
From: siegfried jackstien
Topic: 32791 Message: 32802

If you have paid a bit of attention in physics in school then you should
also know the reason for that ...

It is cause of the force angle

As tighter as you pull the line or wire as narrower that angle will be and a
higher the needed force

Dg9bfc

Sigi

Ps if you use al fence wire it will not need as much tension for an almost!
straight line as when you where using copper wire...

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 14. Juni 2014 14:40
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: G%RV weight?
>
>
>
> Hello Hylton,
>
> I was at a my radio club last night where one of our members gave a talk
> on Antenna Mast, Antennas etc. He is a structural engineer and one thing
> he said was if you leave some dip in something like a G5RV Antenna, the
> less the load will be at the 2 end points where it is attached to either
> the masts or building such as a chimney. He said that in theory, you
> will never get a perfectly flat span of wire with a dipole or similar
> between supports as the end loads when trying to get it perfectly
> straight would be more than the strength of the wire itself and it would
> break.
>
> I hope that helps,
>
> Bill - G4ERV
>
> --
> One difference between the two OSs though is that
> Linux progresses. The other decays
>
>
>
>

32803. RE: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 15:38:50 UTC
From: Joe Wolfe
Topic: 32803 Message: 32803

Perhaps Physics wasn't taken..I know I didn't take it in school.

I think closer scrutiny in our responses to other posts, might alleviate some of the animosity that springs up from this 'no body language' form of communications.

I know I read the below response as an snide reply, although common sense tells me it was not written as such.

Come on gang..let's be a wee bit more attentive to how we respond to, or create posts, in these non-verbal information sites!

Joe - W7RKN

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: AW: [ham-antennas] Re: G%RV weight?

If you have paid a bit of attention in physics in school then you should also know the reason for that ...

It is cause of the force angle

As tighter as you pull the line or wire as narrower that angle will be and a higher the needed force

32804. line loss

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 23:26:19 UTC
From: rs1946@...
Topic: 32804 Message: 32804

I have a mfj swr/power meter. If I set the swr to the lowest at the transmitter and take a power reading and then take the meter to the antenna feed point and take another power reading will this give me a actuate mesure of line loss? Am I reading the diagrams correct, unlike a dipole the right and left lead lines are connected to each other in a loop antenna. thanks Bob

32805. Re: [ham-antennas] line loss

Yahoo group: ham-antennas (2014)
Date: 2014-06-14 23:38:22 UTC
From: Don Sanders
Topic: 32804 Message: 32805

Yes, that will tell you the coax line loss if you use a 50 ohm load at the antenna.
ie., 50 ohm - 50 ohm coax-swr meter -transmitter (Test 1)
50 ohm - swr meter - 50 ohm coax - transmitter (Test 2)
When you connect the antenna it will probably not be 50 ohms and will have reactance.
This will skew the SWR reading at the transmitter. It will also affect the system losses
as the coax is not looking at a resonant, zero reactance 50 ohm load.
I'm not clear just what you are trying to measure. Just the loss in the coax?

Don W4BWS

On Sat, Jun 14, 2014 at 6:26 PM, rs1946@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I have a mfj swr/power meter. If I set the swr to the lowest at the
> transmitter and take a power reading and then take the meter to the antenna
> feed point and take another power reading will this give me a actuate
> mesure of line loss? Am I reading the diagrams correct, unlike a dipole
> the right and left lead lines are connected to each other in a loop
> antenna. thanks Bob
>
>
>
>

--
Dr. Don W4BWS

32806. RE: [ham-antennas] line loss

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 02:13:43 UTC
From: Richard Schmuke
Topic: 32804 Message: 32806

Don gave you a good answer about the line loss readings. About a loop antenna, if you are feeding with ladder line one end of the loop to each side of the ladder line. For coax one end of the antenna to the center conductor the other to the shield. If you are feeding with coax you will need a 75 ohm coax transformer or a 2:1 balun for a single band antenna and a 4:1 balun for a multi band loop antenna.

Rich, Kd0zz

Am I reading the diagrams correct, unlike a dipole the right and left lead lines are connected to each other in a loop antenna. thanks Bob

32807. End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 02:43:43 UTC
From: WWILSON@...
Topic: 32807 Message: 32807

I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated

32808. RE: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 02:56:11 UTC
From: James M. Geidl
Topic: 32807 Message: 32808

Put a Western Union wrap on the two pieces and then sodler them. You might loose a little length so check your match afterwards.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, June 14, 2014 7:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] End fed dipole

I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated

32809. Re: [ham-antennas] line loss

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 03:33:41 UTC
From: Original Woodchuck
Topic: 32804 Message: 32809

On Sat, Jun 14, 2014 at 04:26:19PM -0700, rs1946@... [ham-antennas] wrote:
> I have a mfj swr/power meter. If I set the swr to the lowest at the transmitter and take a power reading and then take the meter to the antenna feed point and take another power reading will this give me a actuate mesure of line loss? Am I reading the diagrams correct, unlike a dipole the right and left lead lines are connected to each other in a loop antenna. thanks Bob

Short answer: yes.
Longer answer: yes.

Chatter:

Assuming the power meter is not erroneous at various SWRs and impedances (and what use would it be if that were so?), then: yes.

The thing to note is that the difference in the two power readings will be different (in general) depending on the various impedances, i.e. depending on the SWR in the line. That's to be expected. If you're after a number to characterize the line, i.e. ohms/meter of attenuation (or some other unit, like dB/m), then use a 50 ohm dummy load instead of an antenna.

Another way to measure the attenuation of a line is to use a calorimeter. (This is explained in one of the ARRL publications.)

Dave AB3NR

32810. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 05:12:30 UTC
From: Andy
Topic: 32807 Message: 32810

What is an end-fed dipole?

I've heard of an end-fed half-wave antenna and other lengths of end-fed wires, but not an end-fed dipole. "Dipole" generally implies it is fed somewhere between the two ends, hence having two 'poles' or lengths being fed.

Regarding splicing, I'll mostly defer to others on that. I imagine the difficulty is longevity under a variety of stresses including tension, flexing, and the elements. I recall having seen arguments to the effect that soldering may not help much, because all the flexing causes it to give way after a while, but in the meantime it might help slow corrosion where the wires need to be in contact. Liquid electrical tape might also help.

Andy

32811. RE: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 12:30:57 UTC
From: Richard Schmuke
Topic: 32807 Message: 32811

If you don’t have a soldering iron ready or like my antenna a loop that might need a repair a few hundred feet away you can always use a split bolt. The local big box stores like Lowes and Home Depot carry then in several sizes Here is a picture of a assortment from 14 or 12ga to 4/0.

http://i1102.photobucket.com/albums/g453/KD0ZZ/SplitNuts.jpg

I built my coax fed loop with a split bolt in it for adjustment.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, June 14, 2014 9:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] End fed dipole

I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated

[Non-text portions of this message have been removed]

32812. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 12:37:42 UTC
From: Brad Trogdon
Topic: 32807 Message: 32812

What portion got cut? Antenna its self or feedline? It looks like we are in same area by your email address and I may be able to assist you if not to far away.

Maybe a photo of the damage would assist in answering with more detail.

-Brad
On Jun 15, 2014 1:13 AM, "Andy ai.egrps@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> What is an end-fed dipole?
>
> I've heard of an end-fed half-wave antenna and other lengths of end-fed
> wires, but not an end-fed dipole. "Dipole" generally implies it is fed
> somewhere between the two ends, hence having two 'poles' or lengths being
> fed.
>
> Regarding splicing, I'll mostly defer to others on that. I imagine the
> difficulty is longevity under a variety of stresses including tension,
> flexing, and the elements. I recall having seen arguments to the effect
> that soldering may not help much, because all the flexing causes it to give
> way after a while, but in the meantime it might help slow corrosion where
> the wires need to be in contact. Liquid electrical tape might also help.
>
> Andy
>
>
>
>

32813. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 12:53:49 UTC
From: Chuck Schultz
Topic: 32807 Message: 32813

JUST TWIST THE WIRES & GET BACK ON THE AIR
.....If the antenna was laying on the ground
.....how could you measure or determine any signal
loss.....this is not Rocket Science
Chuck Wq5B
On 6/15/2014 7:30 AM, 'Richard Schmuke' rdj@... [ham-antennas]
wrote:
>
> If you don’t have a soldering iron ready or like my antenna a loop
> that might need a repair a few hundred feet away you can always use a
> split bolt. The local big box stores like Lowes and Home Depot carry
> then in several sizes Here is a picture of a assortment from 14 or
> 12ga to 4/0.
>
> http://i1102.photobucket.com/albums/g453/KD0ZZ/SplitNuts.jpg
>
> I built my coax fed loop with a split bolt in it for adjustment.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Saturday, June 14, 2014 9:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] End fed dipole
>
> I have several disabilities and some things are difficult. Dumb is not
> one of them I get to feeling pretty decent today and decided to mow
> the lawn. The dumb part is I forgot I had not gotten anyone to raise
> my END fed dipole and it is hidden on the ground in the grass. Long
> story short I did a great number on the wire, cutting it in two. My
> question is what might be the best way to repair this Dipole wire and
> expect it to still function without a lot of difficulty. Any ideas
> from the group appreciated
>
> [Non-text portions of this message have been removed]
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32814. Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 14:00:52 UTC
From: jc_2aussie
Topic: 32807 Message: 32814

I would twist and solder the wire then cover with heat shrink.
In have had a doublet up with several joints done this way for several years with no issues , and living in Australia as I do , we get some strong winds down here and it with stood them with no problems.
It has now been replaced with a non resonate loop fed with open wire to a 4:1 balun,and I still have 2 joins in this antenna.

Jeff
Vk4fnrs

Sent from Samsung tablet

32815. Re: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 14:23:13 UTC
From: Artek Manuals
Topic: 32807 Message: 32815

Assuming this is stranded wire Jeff's point about the heat shrink is a good one

When splicing stranded wire it has been my experience that because soldered splices are quite rigid and the wire on either side of the joint flexible that the wire fails sooner at the edge of the splice joint much like bending a solid wire back and forth till it breaks. Several layers of heat shrink extending an inch or so either side of the joint would I think "dampen" the flexing moment

Another poster asked what is an end fed dipole? I think what the original poster has would be more properly called and end fed 1/2 wave. Theoretically by the way a 1/2wave dipole and an end fed 1/2 wave, both raised to exactly the same height, have identical radiation patterns and efficiency, ignoring of course feed line losses and matching network losses as the case may be

Dave
nr1dx

On 6/15/2014 9:00 AM, jc_2aussie jc_2aussie@... [ham-antennas] wrote:
>
>
> I would twist and solder the wire then cover with heat shrink.
> In have had a doublet up with several joints done this way for several
> years with no issues , and living in Australia as I do , we get some
> strong winds down here and it with stood them with no problems.
> It has now been replaced with a non resonate loop fed with open wire
> to a 4:1 balun,and I still have 2 joins in this antenna.
>
> Jeff
> Vk4fnrs
>
>
> Sent from Samsung tablet
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32816. Re: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 15:08:29 UTC
From: Walt Wilson
Topic: 32807 Message: 32816

Many thanks. This what I had in mind, but never having repaired a dipole wire such as this I wanted further feedback. Twisting and soldering was my first idea, but the extra heat shrink looks to be the ideal way to go. Many thanks

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2014 10:23 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: End fed dipole

Assuming this is stranded wire Jeff's point about the heat shrink is a good one

When splicing stranded wire it has been my experience that because soldered splices are quite rigid and the wire on either side of the joint flexible that the wire fails sooner at the edge of the splice joint much like bending a solid wire back and forth till it breaks. Several layers of heat shrink extending an inch or so either side of the joint would I think "dampen" the flexing moment

Another poster asked what is an end fed dipole? I think what the original poster has would be more properly called and end fed 1/2 wave. Theoretically by the way a 1/2wave dipole and an end fed 1/2 wave, both raised to exactly the same height, have identical radiation patterns and efficiency, ignoring of course feed line losses and matching network losses as the case may be

Dave
nr1dx

On 6/15/2014 9:00 AM, jc_2aussie jc_2aussie@... [ham-antennas] wrote:

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In have had a doublet up with several joints done this way for several years with no issues , and living in Australia as I do , we get some strong winds down here and it with stood them with no problems.
It has now been replaced with a non resonate loop fed with open wire to a 4:1 balun,and I still have 2 joins in this antenna.

Jeff
Vk4fnrs

Sent from Samsung tablet

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14

32817. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 15:12:43 UTC
From: Walt Wilson
Topic: 32807 Message: 32817

Chuck. It was lying on the ground due to the fact that I can’t climb and have been unsuccessful in getting anyone to help get up a tree. I have not tried to use it or determine anything at this point. I said I was disabled not stupid

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2014 8:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] End fed dipole

JUST TWIST THE WIRES & GET BACK ON THE AIR .....If the antenna was laying on the ground .....how could you measure or determine any signal loss.....this is not Rocket Science Chuck Wq5B

On 6/15/2014 7:30 AM, 'Richard Schmuke' rdj@... [ham-antennas] wrote:

If you don’t have a soldering iron ready or like my antenna a loop that might need a repair a few hundred feet away you can always use a split bolt. The local big box stores like Lowes and Home Depot carry then in several sizes Here is a picture of a assortment from 14 or 12ga to 4/0.

http://i1102.photobucket.com/albums/g453/KD0ZZ/SplitNuts.jpg

I built my coax fed loop with a split bolt in it for adjustment.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, June 14, 2014 9:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] End fed dipole

I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated

[Non-text portions of this message have been removed]

This email is free from viruses and malware because avast! Antivirus protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14

32818. Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 15:50:39 UTC
From: Bill
Topic: 32803 Message: 32818

Joe,

I wholeheartedly agree with the sentiment of you posting. Especially your plea for more civil discourse.

I also think you are far too generous or diplomatic in your secondary consideration of the comment in question. You are probably a far better person than this OM:)

In lifes experience there are those that live by this axiom:
"In order for me to succeed, someone else must fail". Its unfortunate, but true in business and in hobbies. The likelihood is they will never succeed anyway.

The majority of the Ham Radio groups I belong to are not overrun with "snide" remarks, but this was one time ,it certainly was, in my humble opinion. Unfortunate, because Ham Radio is a hobby for helping and "Elmering". The reward of seeing the light bulb go off can make you smile all day.

There is a yahoo group about a chinese HT on yahoo that would curl your toes with the amount of sniping, condescension and rudness.

If you cant say something nice (constructive, instructive, suppportive, kind or necessary) dont say it.

Happy Fathers Day to all the OMs.

73
Bill
W4WCS

32819. Re: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 16:13:36 UTC
From: Walt Wilson
Topic: 32803 Message: 32819

Your email reception must be amazing as I have received no comments from Joe. My remark happens to be quite true, not snide. I had a wire that was not yet mounted, I admit to the fact that I forgot about it. My question here was the best way to repair it after I had cut it. I did not ask for the comment concerning how I did any measuring using the wire as it was not in use yet. That was volunteered by someone trying to be superior when in fact it was off topic. When I get the wire repaired and mounted I will indeed run tests and checks to see what if anything has changed from its original design. It is unknown to me why it is necessary for someone to assume I don’t have the mental capacity to do this and make assumptions that are off topic to my question. But if you and Joe feel that you need to discuss it further, then by all means do so. A had at least a couple of understanding souls give me the information I was looking for, and I thank them

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2014 11:50 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Unintended Emotional Responses In Posts

Joe,

I wholeheartedly agree with the sentiment of you posting. Especially your plea for more civil discourse.

I also think you are far too generous or diplomatic in your secondary consideration of the comment in question. You are probably a far better person than this OM:)

In lifes experience there are those that live by this axiom:
"In order for me to succeed, someone else must fail". Its unfortunate, but true in business and in hobbies. The likelihood is they will never succeed anyway.

The majority of the Ham Radio groups I belong to are not overrun with "snide" remarks, but this was one time ,it certainly was, in my humble opinion. Unfortunate, because Ham Radio is a hobby for helping and "Elmering". The reward of seeing the light bulb go off can make you smile all day.

There is a yahoo group about a chinese HT on yahoo that would curl your toes with the amount of sniping, condescension and rudness.

If you cant say something nice (constructive, instructive, suppportive, kind or necessary) dont say it.

Happy Fathers Day to all the OMs.

73
Bill
W4WCS

No virus found in this message.
Checked by AVG - www.avg.com

Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14

32820. Re: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 18:25:03 UTC
From: Chuck Schultz
Topic: 32803 Message: 32820

I guess the bit dog always barks .....If the criticism was directed at me it hit without much effect. As with most repair suggestions here the suggestions were way over engineered. I have had antennas in use on the ground , I have cut them in half , I have just twisted the wire on a many on the ground and in the air to be more permanently repaired at a later time . Some have been waiting years & operate well without an engineer to sign off on it , any solder , or heat shrink . I am very handicapped .....I went blind back in 88 , God graced me with a second chance . I have one kidney , one lung , a valve from a Bovine in my heart , I have 27 stents , had two back surgeries , and raised five kids working as a used car salesman. I would not hurt a fellers feelings for the world but some questions here have to be made up and some answers are over engineered . If you rendered an apology from this you are welcome and we will all do better.
Chuck Wq5b
On 6/15/2014 11:13 AM, 'Walt Wilson' WWILSON@... [ham-antennas] wrote:
>
> Your email reception must be amazing as I have received no comments
> from Joe. My remark happens to be quite true, not snide. I had a wire
> that was not yet mounted, I admit to the fact that I forgot about it.
> My question here was the best way to repair it after I had cut it. I
> did not ask for the comment concerning how I did any measuring using
> the wire as it was not in use yet. That was volunteered by someone
> trying to be superior when in fact it was off topic. When I get the
> wire repaired and mounted I will indeed run tests and checks to see
> what if anything has changed from its original design. It is unknown
> to me why it is necessary for someone to assume I don’t have the
> mental capacity to do this and make assumptions that are off topic to
> my question. But if you and Joe feel that you need to discuss it
> further, then by all means do so. A had at least a couple of
> understanding souls give me the information I was looking for, and I
> thank them
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Sunday, June 15, 2014 11:50 AM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Re: Unintended Emotional Responses In Posts
>
> Joe,
>
> I wholeheartedly agree with the sentiment of you posting. Especially
> your plea for more civil discourse.
>
> I also think you are far too generous or diplomatic in your secondary
> consideration of the comment in question. You are probably a far

> better person than this OM:)
>
> In lifes experience there are those that live by this axiom:
> "In order for me to succeed, someone else must fail". Its unfortunate,
> but true in business and in hobbies. The likelihood is they will never
> succeed anyway.
>
> The majority of the Ham Radio groups I belong to are not overrun with
> "snide" remarks, but this was one time ,it certainly was, in my humble
> opinion. Unfortunate, because Ham Radio is a hobby for helping and
> "Elmering". The reward of seeing the light bulb go off can make you
> smile all day.
>
> There is a yahoo group about a chinese HT on yahoo that would curl
> your toes with the amount of sniping, condescension and rudness.
>
> If you cant say something nice (constructive, instructive,
> suppportive, kind or necessary) dont say it.
>
> Happy Fathers Day to all the OMs.
>
> 73
> Bill
> W4WCS
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32821. AW: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 20:13:14 UTC
From: siegfried jackstien
Topic: 32807 Message: 32821

No need to climb in a tree ... just use a spudgun and some rope

Dg9bfc

Sigi

www.antennalaunchers.com

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 15. Juni 2014 15:13
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] End fed dipole
>
>
>
> Chuck. It was lying on the ground due to the fact that I can□t climb and
> have been unsuccessful in getting anyone to help get up a tree. I have not
> tried to use it or determine anything at this point. I said I was disabled
> not stupid
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Sunday, June 15, 2014 8:53 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] End fed dipole
>
>
>
> JUST TWIST THE WIRES & GET BACK ON THE AIR
> .....If the antenna was laying on the ground
> .....how could you measure or determine any signal
> loss.....this is not Rocket Science
> Chuck Wq5B
>
> On 6/15/2014 7:30 AM, 'Richard Schmuke' rdj@... [ham-antennas]
> wrote:
>
>
>
>
> If you don□t have a soldering iron ready or like my antenna a loop
> that might need a repair a few hundred feet away you can always use a
> split bolt. The local big box stores like Lowes and Home Depot carry then
> in several sizes Here is a picture of a assortment from 14 or 12ga to 4/0.
>

> http://i1102.photobucket.com/albums/g453/KD0ZZ/SplitNuts.jpg
>
> I built my coax fed loop with a split bolt in it for adjustment.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> Sent: Saturday, June 14, 2014 9:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] End fed dipole
>
> I have several disabilities and some things are difficult. Dumb is
> not one of them I get to feeling pretty decent today and decided to mow
> the lawn. The dumb part is I forgot I had not gotten anyone to raise my
> END fed dipole and it is hidden on the ground in the grass. Long story
> short I did a great number on the wire, cutting it in two. My question is
> what might be the best way to repair this Dipole wire and expect it to
> still function without a lot of difficulty. Any ideas from the group
> appreciated
>
> [Non-text portions of this message have been removed]
>
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>
>
> _____
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14
>
>

32822. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 20:45:10 UTC
From: Timothy-Allen Albertson
Topic: 32807 Message: 32822

What is a "Western Union wrap"?

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl' jim.geidl@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Put a Western Union wrap on the two pieces and then sodler them. You
> might loose a little length so check your match afterwards.
>
>
> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*
>
>
>
> ---
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Saturday, June 14, 2014 7:44 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] End fed dipole
>
> I have several disabilities and some things are difficult. Dumb is not
> one of them I get to feeling pretty decent today and decided to mow the
> lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed
> dipole and it is hidden on the ground in the grass. Long story short I did
> a great number on the wire, cutting it in two. My question is what might be
> the best way to repair this Dipole wire and expect it to still function
> without a lot of difficulty. Any ideas from the group appreciated
>
>
>

32823. RE: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 20:53:01 UTC
From: Richard Schmuke
Topic: 32807 Message: 32823

I guess you could say I am partially disabled, several back surgery's and spinal fusions, makes for bad and week legs. Cant climb myself but I toss a fishing weight over a tree limb, pull a cord back up with a pulley and line on it to provide antenna supports.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 3:13 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] End fed dipole

No need to climb in a tree ... just use a spudgun and some rope

Dg9bfc

Sigi

www.antennalaunchers.com

>
>
> Subject: [ham-antennas] End fed dipole
>
> I have several disabilities and some things are difficult. Dumb is
> not one of them I get to feeling pretty decent today and decided to mow
> the lawn. The dumb part is I forgot I had not gotten anyone to raise my
> END fed dipole and it is hidden on the ground in the grass. Long story
> short I did a great number on the wire, cutting it in two. My question is
> what might be the best way to repair this Dipole wire and expect it to
> still function without a lot of difficulty. Any ideas from the group
> appreciated
>
> [Non-text portions of this message have been removed]
>
>
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>
>
>
> _____
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
>
>
> No virus found in this message.

> Checked by AVG - www.avg.com
> Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14
>
>

[Non-text portions of this message have been removed]

32824. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 21:01:24 UTC
From: Artek Manuals
Topic: 32807 Message: 32824

Presumably dates back to telegraph days, and was quite popular back in the (my) day when telephone wires were strung overhead. it is style of wire wrapping primarily for solid wire, questionable for stranded wire (in my experience).

Pictorial here
http://en.wikipedia.org/wiki/Western_Union_splice

Dave

On 6/15/2014 3:45 PM, Timothy-Allen Albertson kd0oia@...
[ham-antennas] wrote:
> What is a "Western Union wrap"?
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD?^...OIA/(ex KG6IRH)
>
>
>
> On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl'
> jim.geidl@... <mailto:jim.geidl@...>
> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
> ?
>
> Put a Western Union wrap on the two pieces and then sodler them.?
> You might loose a little length so check your match afterwards.
> ?
>
> James "Jim" M. Geidl, K6JMG
> /D.B. Cooper, you have? a message./
> ?
>
> ?
>
> ---
> *From:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> [mailto:ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>]
> *Sent:* Saturday, June 14, 2014 7:44 PM
> *To:* ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] End fed dipole
>

> I have several disabilities and some things are difficult. Dumb is
> not one of them I get to feeling pretty decent today and decided
> to mow the lawn. The dumb part is I forgot I had not gotten anyone
> to raise my END fed dipole and it is hidden on the ground in the
> grass. Long story short I did a great number on the wire, cutting
> it in two. My question is what might be the best way to repair
> this Dipole wire and expect it to still function without a lot of
> difficulty. Any ideas from the group appreciated
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32825. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 21:18:52 UTC
From: Timothy-Allen Albertson
Topic: 32807 Message: 32825

tnx

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Jun 15, 2014 at 4:01 PM, Artek Manuals nr1dx@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Presumably dates back to telegraph days, and was quite popular back in the
> (my) day when telephone wires were strung overhead. it is style of wire
> wrapping primarily for solid wire, questionable for stranded wire (in my
> experience).
>
> Pictorial here
> http://en.wikipedia.org/wiki/Western_Union_splice
>
> Dave
>
>
>
>
> On 6/15/2014 3:45 PM, Timothy-Allen Albertson kd0oia@...
> [ham-antennas] wrote:
>
>
> What is a "Western Union wrap"?
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KDâˆ…OIA/(ex KG6IRH)
>
>
>
> On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl' jim.geidl@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>> Â
>>
>> Put a Western Union wrap on the two pieces and then sodler them.Â You
>> might loose a little length so check your match afterwards.
>> Â
>>
>> James "Jim" M. Geidl, K6JMG
>> *D.B. Cooper, you haveÂ a message.*
>> Â

>>
>> Â
>>
>> ----------
>> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>
>> *Sent:* Saturday, June 14, 2014 7:44 PM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* [ham-antennas] End fed dipole
>>
>> I have several disabilities and some things are difficult. Dumb is not
>> one of them I get to feeling pretty decent today and decided to mow the
>> lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed
>> dipole and it is hidden on the ground in the grass. Long story short I did
>> a great number on the wire, cutting it in two. My question is what might be
>> the best way to repair this Dipole wire and expect it to still function
>> without a lot of difficulty. Any ideas from the group appreciated
>>
>
>
>
> --
> DaveManuals@....ArtekManuals.com
>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

32826. Re: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 22:19:00 UTC
From: radiomanl@...
Topic: 32807 Message: 32826

I have 2 split bolts on my 3 band fan dipole . has been up since 2005 and only had one wire break on it during the last round of T storms . made repair easier too .

andrew
kd5pnt

32827. Re: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 22:20:13 UTC
From: Dave Daniel
Topic: 32803 Message: 32827

I agree with all of that.

I have been practicing the habit of ignoring all obnoxious content. I have seen far too many times where a formerly productive thread has been hijacked and transformed into a series of gripes, counter-gripes, and other irrelevant content.

I'd add one category to "If you cant say something nice (constructive, instructive, supportive, kind or necessary) don't say it." - humorous. I can't help it, myself.

DaveD

On 6/15/2014 9:50 AM, Bill billnopic@... [ham-antennas] wrote:
>
> Joe,
>
> I wholeheartedly agree with the sentiment of you posting. Especially
> your plea for more civil discourse.
>
> I also think you are far too generous or diplomatic in your secondary
> consideration of the comment in question. You are probably a far
> better person than this OM:)
>
> In lifes experience there are those that live by this axiom:
> "In order for me to succeed, someone else must fail". Its unfortunate,
> but true in business and in hobbies. The likelihood is they will never
> succeed anyway.
>
> The majority of the Ham Radio groups I belong to are not overrun with
> "snide" remarks, but this was one time ,it certainly was, in my humble
> opinion. Unfortunate, because Ham Radio is a hobby for helping and
> "Elmering". The reward of seeing the light bulb go off can make you
> smile all day.
>
> There is a yahoo group about a chinese HT on yahoo that would curl
> your toes with the amount of sniping, condescension and rudness.
>
> If you cant say something nice (constructive, instructive,
> suppportive, kind or necessary) dont say it.
>
> Happy Fathers Day to all the OMs.
>
> 73
> Bill
> W4WCS

>
>

32828. Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 21:26:29 UTC
From: KB3YRC
Topic: 32828 Message: 32828

I had a report that my signal had a popping in the audio.

You may have some RF in your signal.

I was on HF on USB

I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.

Please explain what this contact was trying to indicate?

Richard

32829. Re: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 22:31:39 UTC
From: Timothy-Allen Albertson
Topic: 32828 Message: 32829

Before my Ham days, back in the late 70s, I listened to some tapes from a rock music venue right next door to People's Temple in San Francisco. There were many tapes where there was a significant bleed into the audio system of the music venue from the RF generated next door. Jones used Ham frequencies for major communications between SF and Jonestown, Guyana. He had a large number of his congregants get Ham licenses here and in Guyana. There was pretty good proof that the greatest number of the Guyanese Licenses were obtaiend through bribery. And there was a strong suspicion that many of the US Licenses were obtained through bribery or other misconduct by the SF FCC Office.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Jun 15, 2014 at 4:26 PM, 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I had a report that my signal had a popping in the audio.
>
> You may have some RF in your signal.
>
>
>
> I was on HF on USB
>
>
>
> I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.
>
> Please explain what this contact was trying to indicate?
>
>
>
>
>
>
>
> Richard
>
>
>
>
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>

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>

32830. RE: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 23:29:06 UTC
From: James M. Geidl
Topic: 32807 Message: 32830

This tells it better than I can:

http://en.wikipedia.org/wiki/Western_Union_splice

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 1:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] End fed dipole

What is a "Western Union wrap"?

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl' jim.geidl@spinochio.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Put a Western Union wrap on the two pieces and then sodler them. You might loose a little length so check your match afterwards.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, June 14, 2014 7:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] End fed dipole

I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated

32831. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 23:26:02 UTC
From: Timothy-Allen Albertson
Topic: 32807 Message: 32831

tnx

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Jun 15, 2014 at 6:29 PM, 'James M. Geidl' jim.geidl@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> □
> This tells it better than I can:
>
> http://en.wikipedia.org/wiki/Western_Union_splice
>
>
> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*
>
>
>
> ---
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Sunday, June 15, 2014 1:45 PM
>
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] End fed dipole
>
> What is a "Western Union wrap"?
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
>
> On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl' jim.geidl@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> Put a Western Union wrap on the two pieces and then sodler them. You
>> might loose a little length so check your match afterwards.
>>
>>

>> James "Jim" M. Geidl, K6JMG
>> *D.B. Cooper, you have a message.*
>>
>>
>>
>> ----------
>> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>
>> *Sent:* Saturday, June 14, 2014 7:44 PM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* [ham-antennas] End fed dipole
>>
>> I have several disabilities and some things are difficult. Dumb is not
>> one of them I get to feeling pretty decent today and decided to mow the
>> lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed
>> dipole and it is hidden on the ground in the grass. Long story short I did
>> a great number on the wire, cutting it in two. My question is what might be
>> the best way to repair this Dipole wire and expect it to still function
>> without a lot of difficulty. Any ideas from the group appreciated
>>
>>
>
>

32832. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 23:33:04 UTC
From: James M. Geidl
Topic: 32828 Message: 32832

Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.

Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Audio and RF

I had a report that my signal had a popping in the audio.

You may have some RF in your signal.

I was on HF on USB

I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.

Please explain what this contact was trying to indicate?

Richard

32833. Re: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 23:32:03 UTC
From: Timothy-Allen Albertson
Topic: 32828 Message: 32833

As I recall from both my General and Tech license exams, and from the prep therefor,
the National Electrical Code (NEC), which most jurisdictions have adopted, requires
all grounds must be tied to the house ground due, as I recall, the dangers raised by
different potentials at different grounds.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Jun 15, 2014 at 6:33 PM, 'James M. Geidl' jim.geidl@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Ground EVERYTHING before you worry too much about it. Drive a nice 8'
> copper ground rod outside and run a line into your shack from it and
> connect every piece of gear to that ground. Also, not a bad idea to tie
> your house ground to this too.
>
> Now, I realize that any conversation about grounding brings on a religious
> onslaught of "I know a better way." No doubt that there are a million
> better ways but sometimes you seek perfection but settle for progress. :-)
>
>
> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*
>
>
>
> ------------------------------
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Sunday, June 15, 2014 2:26 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Audio and RF
>
> I had a report that my signal had a popping in the audio.
>
> You may have some RF in your signal.
>
>
>
> I was on HF on USB
>

>
>
> I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.
>
> Please explain what this contact was trying to indicate?
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> Richard
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32834. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-15 23:12:45 UTC
From: KB3YRC
Topic: 32828 Message: 32834

Well Lets start at the Tower it is 33 ft. and is in a yard of concrete. I was instructed to have none of the rebar touch the metal of the tower. I have three ground rods 6 ft. apart and copper from each leg to a ground rod and all three rods bonded together in a ring. I have a ground wire # 4 from the rods to the attic to a mounting plate of Roofing copper where all antennas have a lighting adapter and the rotor wires and protected on this copper. The lines run to a terminal in the basement with a 15” X 15” Copper where all lines go through PL-259 Barrels locked to the copperplate attached to a ground rod just 3 ft. outside the wall. All radios and equipment are bonded to the same ground rod.

I was advised not to tie it to the house ground to keep the lighting out of the house. But as an electrician I like to tie them all together .

Two points of opinion.

This will be open for comment.

Richard

Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.

Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Audio and RF

I had a report that my signal had a popping in the audio.

You may have some RF in your signal.

I was on HF on USB

I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.

Please explain what this contact was trying to indicate?

Richard

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

32835. 80 meter antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 01:14:59 UTC
From: dalecole3502@...
Topic: 32835 Message: 32835

There was a posting about Cat 5 cable (on this board?) being used as a antenna (dipole). As a 75 watt, rock-bound, novice, I used TV twin lead connected to some 75 or 50 coax to the shack. If I was to take all of the ends (of the Cat 5) and and twist together, and run to a center conductor i.e. coax, could I run that into the shack and run 100 watts +/- to my TS 570 (and possibly a tuner), and be somewhat effective on 80/75 meters?

Dale K8TS

32836. Re: [ham-antennas] 80 meter antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 01:17:48 UTC
From: Timothy-Allen Albertson
Topic: 32835 Message: 32836

twin lead has a lot of good antenna applications like the roll up J-Pole--
but Im told, and I do not why, to not use the foam insulated stuff

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Jun 15, 2014 at 8:14 PM, dalecole3502@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> There was a posting about Cat 5 cable (on this board?) being used as a
> antenna (dipole). As a 75 watt, rock-bound, novice, I used TV twin lead
> connected to some 75 or 50 coax to the shack. If I was to take all of the
> ends (of the Cat 5) and and twist together, and run to a center conductor
> i.e. coax, could I run that into the shack and run 100 watts +/- to my TS
> 570 (and possibly a tuner), and be somewhat effective on 80/75 meters?
>
> Dale K8TS
>
>
>

32837. RE: [ham-antennas] 80 meter antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 01:35:48 UTC
From: John Murphy
Topic: 32835 Message: 32837

Absolutely!!! At those power levels any type of wire will work. Of course I must say it, you need to not only make sure the center conductor is connected, but the shield is connected to the other side of the dipole. This is said due to the way the question was asked. I am not thinking that you (or anyone else on this list) is a dummy and do not know this simple information, however the way the question was worded, leads me to think that you are not going to make a full dipole, and only have one wire connected to your coax lead in.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 7:15 PM
To: ham-antennas
Subject: [ham-antennas] 80 meter antenna

There was a posting about Cat 5 cable (on this board?) being used as a antenna (dipole). As a 75 watt, rock-bound, novice, I used TV twin lead connected to some 75 or 50 coax to the shack. If I was to take all of the ends (of the Cat 5) and and twist together, and run to a center conductor i.e. coax, could I run that into the shack and run 100 watts +/- to my TS 570 (and possibly a tuner), and be somewhat effective on 80/75 meters?

Dale K8TS

32838. Re: [ham-antennas] 80 meter antenna

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 02:07:13 UTC
From: dalecole3502@...
Topic: 32835 Message: 32838

Thanks John;
You are so correct, that one side will be "hot" and the other side "cold". One leg would serve as the radiator and the other as the sheild. A true di-pole, with a center conducter, fed by a coax line.
Dale K8TS

nas@yahoogroups.com >
To: "ham-antennas" <ham-antennas@yahoogroups.com>
Sent: Sunday, June 15, 2014 9:35:48 PM
Subject: RE: [ham-antennas] 80 meter antenna

Absolutely!!! At those power levels any type of wire will work. Of course I must say it, you need to not only make sure the center conductor is connected, but the shield is connected to the other side of the dipole. This is said due to the way the question was asked. I am not thinking that you (or anyone else on this list) is a dummy and do not know this simple information, however the way the question was worded, leads me to think that you are not going to make a full dipole, and only have one wire connected to your coax lead in.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: ocr58763@...

Personal Email: jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 7:15 PM
To: ham-antennas
Subject: [ham-antennas] 80 meter antenna

There was a posting about Cat 5 cable (on this board?) being used as a antenna (dipole). As a 75 watt, rock-bound, novice, I used TV twin lead connected to some 75 or 50 coax to

the shack. If I was to take all of the ends (of the Cat 5) and and twist together, and run to a center conductor i.e. coax, could I run that into the shack and run 100 watts +/- to my TS 570 (and possibly a tuner), and be somewhat effective on 80/75 meters?

Dale K8TS

32839. Re: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 02:16:57 UTC
From: Walt Wilson
Topic: 32807 Message: 32839

Thanks, the split bolt is a good idea and I have several all brass ones on hand. I can’t say how it will fair in a storm until I get it all up and mounted

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 15, 2014 6:19 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: End fed dipole

I have 2 split bolts on my 3 band fan dipole . has been up since 2005 and only had one wire break on it during the last round of T storms . made repair easier too .

andrew
kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14

32840. RE: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 02:26:25 UTC
From: Richard Schmuke
Topic: 32807 Message: 32840

Split bolts are normality made of different grades of silicon bronze and will hold up outside in the mid-west with no problem.

Different grades so the nut does not gall on the bolt. I have never seen a brass one. Normal brass would be too soft.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 9:17 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: End fed dipole

Thanks, the split bolt is a good idea and I have several all brass ones on hand. I can’t say how it will fair in a storm until I get it all up and mounted

From: mailto:ham-antennas@yahoogroups.com

Sent: Sunday, June 15, 2014 6:19 PM

To: ham-antennas@yahoogroups.com

Subject: Re: [ham-antennas] Re: End fed dipole

I have 2 split bolts on my 3 band fan dipole . has been up since 2005 and only had one wire break on it during the last round of T storms . made repair easier too .

andrew
kd5pnt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4570 / Virus Database: 3964/7680 - Release Date: 06/15/14

[Non-text portions of this message have been removed]

32841. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 02:56:03 UTC
From: Geoff McAlpin
Topic: 32807 Message: 32841

That type of splice can be done on stranded wire very easily. Just make sure you tin the wires beforehand (should do that anyway with any wire splices that will be soldered).

I would suggest using some marine grade heat shrink on the splice after soldering it - just make sure you put the tube on BEFORE you make the splice and solder it... Been there a few times.

Geoff McAlpin, NW7GM (Certified IPC trainer for Rework and Repair)
Seattle, WA
CN87tr

Sent from my iPad

> On Jun 15, 2014, at 2:01 PM, "Artek Manuals nr1dx@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> Presumably dates back to telegraph days, and was quite popular back in the (my) day when telephone wires were strung overhead. it is style of wire wrapping primarily for solid wire, questionable for stranded wire (in my experience).
>
> Pictorial here
> http://en.wikipedia.org/wiki/Western_Union_splice
>
> Dave
>
>
>
>> On 6/15/2014 3:45 PM, Timothy-Allen Albertson kd0oia@... [ham-antennas] wrote:
>>
>> What is a "Western Union wrap"?
>>
>> 72/73 TIMOTHY-ALLEN ALBERTSON
>> KDâˆ…OIA/(ex KG6IRH)
>>
>>
>>
>>> On Sat, Jun 14, 2014 at 9:56 PM, 'James M. Geidl' jim.geidl@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>>> Â
>>> Put a Western Union wrap on the two pieces and then sodler them.Â You might loose a little length so check your match afterwards.
>>> Â
>>> James "Jim" M. Geidl, K6JMG
>>> D.B. Cooper, you haveÂ a message.
>>> Â
>>>

>>> Â
>>>
>>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>> Sent: Saturday, June 14, 2014 7:44 PM
>>> To: ham-antennas@yahoogroups.com
>>> Subject: [ham-antennas] End fed dipole
>>>
>>> I have several disabilities and some things are difficult. Dumb is not one of them I get to feeling pretty decent today and decided to mow the lawn. The dumb part is I forgot I had not gotten anyone to raise my END fed dipole and it is hidden on the ground in the grass. Long story short I did a great number on the wire, cutting it in two. My question is what might be the best way to repair this Dipole wire and expect it to still function without a lot of difficulty. Any ideas from the group appreciated
>>>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>
>

32842. Re: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 04:53:00 UTC
From: Geoff McAlpin
Topic: 32828 Message: 32842

So, just to be sure I read it correctly....

You have a #4 Cu EGC running from your tower ground rods at ground level up to Cu plate at attic level? Then the lines (both coax and rotator control) that pass through that plate drop back down to basement level and attach to another Cu plate that is attached to yet another ground rod?

Sent from my iPad

> On Jun 15, 2014, at 4:12 PM, "'KB3YRC' kb3yrc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Well Lets start at the Tower it is 33 ft. and is in a yard of concrete. I was instructed to have none of the rebar touch the metal of the tower. I have three ground rods 6 ft. apart and copper from each leg to a ground rod and all three rods bonded together in a ring. I have a ground wire # 4 from the rods to the attic to a mounting plate of Roofing copper where all antennas have a lighting adapter and the rotor wires and protected on this copper. The lines run to a terminal in the basement with a 15” X 15” Copper where all lines go through PL-259 Barrels locked to the copperplate attached to a ground rod just 3 ft. outside the wall. All radios and equipment are bonded to the same ground rod.
>
>
>
> I was advised not to tie it to the house ground to keep the lighting out of the house. But as an electrician I like to tie them all together .
>
> Two points of opinion.
>
>
>
> This will be open for comment.
>
>
>
>
>
> Richard
>
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>

>
>
> Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.
>
>
>
> Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)
>
>
>
> James "Jim" M. Geidl, K6JMG
> D.B. Cooper, you have a message.
>
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Sunday, June 15, 2014 2:26 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Audio and RF
>
> I had a report that my signal had a popping in the audio.
>
> You may have some RF in your signal.
>
>
>
> I was on HF on USB
>
>
>
> I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.
>
> Please explain what this contact was trying to indicate?
>
>
>
>
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>
> Richard
>
>

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>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14
>
>

32843. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 08:56:03 UTC
From: KB3YRC
Topic: 32828 Message: 32843

YES 3 rods at the tower and 1 rod at the shack

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 1:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Audio and RF

So, just to be sure I read it correctly....

You have a #4 Cu EGC running from your tower ground rods at ground level up to Cu plate at attic level? Then the lines (both coax and rotator control) that pass through that plate drop back down to basement level and attach to another Cu plate that is attached to yet another ground rod?

Sent from my iPad

On Jun 15, 2014, at 4:12 PM, "'KB3YRC' kb3yrc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Well Lets start at the Tower it is 33 ft. and is in a yard of concrete. I was instructed to have none of the rebar touch the metal of the tower. I have three ground rods 6 ft. apart and copper from each leg to a ground rod and all three rods bonded together in a ring. I have a ground wire # 4 from the rods to the attic to a mounting plate of Roofing copper where all antennas have a lighting adapter and the rotor wires and protected on this copper. The lines run to a terminal in the basement with a 15” X 15” Copper where all lines go through PL-259 Barrels locked to the copperplate attached to a ground rod just 3 ft. outside the wall. All radios and equipment are bonded to the same ground rod.

I was advised not to tie it to the house ground to keep the lighting out of the house. But as an electrician I like to tie them all together .

Two points of opinion.

This will be open for comment.

Richard

Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.

Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Audio and RF

I had a report that my signal had a popping in the audio.

You may have some RF in your signal.

I was on HF on USB

I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.

Please explain what this contact was trying to indicate?

Richard

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

32844. Re: [ham-antennas] End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 11:50:42 UTC
From: radiomanl@...
Topic: 32807 Message: 32844

if you decide to use the heat shrink be sure to slide it about 2 or 3 feet from the solder point before soldering
and let it cool before sliding it back .

andrew
kd5pnt

32845. Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 12:31:01 UTC
From: mikerodgerske5gbc@...
Topic: 32807 Message: 32845

I used a 1/4" bolt to splice my loop. I used 3 flat washers to sandwich the wires seperately.

73
Mike R

There's more behind this picture than the wall.
-Doyle Lawson

32846. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 13:53:42 UTC
From: Geoff NW7GM
Topic: 32828 Message: 32846

So how many total feet of EGC wire do you have run?

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 16, 2014 2:56 AM, "'KB3YRC' kb3yrc@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> YES 3 rods at the tower and 1 rod at the shack
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Monday, June 16, 2014 1:53 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Audio and RF
>
>
>
>
>
> So, just to be sure I read it correctly....
>
>
>
> You have a #4 Cu EGC running from your tower ground rods at ground level
> up to Cu plate at attic level? Then the lines (both coax and rotator
> control) that pass through that plate drop back down to basement level and
> attach to another Cu plate that is attached to yet another ground rod?
>
>
> Sent from my iPad
>
>
> On Jun 15, 2014, at 4:12 PM, "'KB3YRC' kb3yrc@comcast.net [ham-antennas]"
> <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Well Lets start at the Tower it is 33 ft. and is in a yard of concrete. I
> was instructed to have none of the rebar touch the metal of the tower. I
> have three ground rods 6 ft. apart and copper from each leg to a ground rod

> and all three rods bonded together in a ring. I have a ground wire # 4
> from the rods to the attic to a mounting plate of Roofing copper where all
> antennas have a lighting adapter and the rotor wires and protected on this
> copper. The lines run to a terminal in the basement with a 15” X 15”
> Copper where all lines go through PL-259 Barrels locked to the copperplate
> attached to a ground rod just 3 ft. outside the wall. All radios and
> equipment are bonded to the same ground rod.
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>
>
> I was advised not to tie it to the house ground to keep the lighting out
> of the house. But as an electrician I like to tie them all together .
>
> Two points of opinion.
>
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>
> This will be open for comment.
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> Richard
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> Ground EVERYTHING before you worry too much about it. Drive a nice 8'
> copper ground rod outside and run a line into your shack from it and
> connect every piece of gear to that ground. Also, not a bad idea to tie
> your house ground to this too.
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>
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> Now, I realize that any conversation about grounding brings on a religious
> onslaught of "I know a better way." No doubt that there are a million
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>
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> James "Jim" M. Geidl, K6JMG
> *D.B. Cooper, you have a message.*

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>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Sunday, June 15, 2014 2:26 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Audio and RF
>
> I had a report that my signal had a popping in the audio.
>
> You may have some RF in your signal.
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>
> I was on HF on USB
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> I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.
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> Please explain what this contact was trying to indicate?
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>

32847. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 13:53:42 UTC
From: Geoff NW7GM
Topic: 32828 Message: 32847

Oh, and what freqs were you experiencing this on?

Geoff, NW7GM
Seattle, WA
CN87tr
On Jun 16, 2014 2:56 AM, "'KB3YRC' kb3yrc@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> YES 3 rods at the tower and 1 rod at the shack
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>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Monday, June 16, 2014 1:53 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Audio and RF
>
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> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Audio and RF
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>
>

32848. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 13:04:16 UTC
From: KB3YRC
Topic: 32828 Message: 32848

What is EGC Electrical Ground Conductor ?

At the tower 16 Feet total in the ground grid ring

From there to the attic 15-18 Feet

At the shack from 5-6 feet at the most to the Rod

4 or # 2 Solid Copper

3.990 I was on my Head set and changed to the hand mic but was told if it changed.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 10:54 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Audio and RF

Oh, and what freqs were you experiencing this on?

Geoff, NW7GM
Seattle, WA
CN87tr

On Jun 16, 2014 2:56 AM, "'KB3YRC' kb3yrc@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

YES 3 rods at the tower and 1 rod at the shack

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 1:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Audio and RF

So, just to be sure I read it correctly....

You have a #4 Cu EGC running from your tower ground rods at ground level up to Cu plate at attic level? Then the lines (both coax and rotator control) that pass through that plate drop back down to basement level and attach to another Cu plate that is attached to yet another ground rod?

Sent from my iPad

On Jun 15, 2014, at 4:12 PM, "'KB3YRC' kb3yrc@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

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where all antennas have a lighting adapter and the rotor wires and protected on this copper. The lines run to a terminal in the basement with a 15” X 15” Copper where all lines go through PL-259 Barrels locked to the copperplate attached to a ground rod just 3 ft. outside the wall. All radios and equipment are bonded to the same ground rod.

I was advised not to tie it to the house ground to keep the lighting out of the house. But as an electrician I like to tie them all together .

Two points of opinion.

This will be open for comment.

Richard

Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.

Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 2:26 PM
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Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

32849. Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 14:45:40 UTC
From: Bill
Topic: 32803 Message: 32849

David,
Thanks for the addition!
HUMOR is always appropriate, indeed.
Especially the self-deprecating type.
Have fun.
73
Bill
W4WCS

32850. Re: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 16:19:00 UTC
From: Original Woodchuck
Topic: 32807 Message: 32850

On Mon, Jun 16, 2014 at 04:50:42AM -0700, radiomanl@... [ham-antennas] wrote:
> if you decide to use the heat shrink be sure to slide it about 2 or 3 feet from the solder point before soldering
> and let it cool before sliding it back .
>

Been there, didn't do it. Learned by not doing, alas.

While on the subject of heat-shrink, a few questions:

(1) I need to clarify whether the following is something people do, and that I've heard of, or if it is the product of a bout of brain fever: Over the joint, spread a generous layer of RTV sealant, then, before the sealant hardens, slip the heat-shrink over it. Then heat, and later clean up the sealant that has squeezed out. I've yet to try this, but it /sounds/ OK. Is it?

(2) I've definitely read that heat-shrink which has an adhesive on its inner wall is superior. and that one can add adhesive to heat-shrink that lacks it. If so, what kind of glue is nice? Same as (1)? or is there something preferred?

(3) Instead of sealant or adhesive, how does heat-shrink behave over one of the various "magic goos" that don't harden or vulcanize themselves or act as adhesives? There's some stuff used on aluminum to prevent oxidation, for example, and other stuffs that claim to prevent bimetallic corrosion, and other things. What of them? What of heat-shrink over self-amalgamating rubber tape?

(4) What are the failures of heat-shrink?

(5) Is there a "heat-shrink tape", i.e. something like self-amalgamating tape, that can be applied, allowed to "self-amalgamate" then be heat-shrunk?

TNX & 73 Dave AB3NR

32851. Re: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 16:29:03 UTC
From: Artek Manuals
Topic: 32807 Message: 32851

On 6/16/2014 11:19 AM, Original Woodchuck marmota@...
[ham-antennas] wrote:
>
>
> (4) What are the failures of heat-shrink?
>

In the application discussed in the original thread heat shrink like
most plastic derivative products is subject to
eventual degradation due to UV radiation (sunlight) , and eventually (
years and years) cracks and gets brittle. My personal experience in
using this for sealing PL-259 connectors is 5+ years. There is more than
one formulation of heat shrink some are more "plastic feeling" others
more "rubber" like than others , color will also affect the amount of UV
absorbed.
Dave
NR1DX

> ---
> Reply via web post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/32850;_ylc=X3oD
MTJyMnM5Y3YzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjg1MA
RzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE0MDI5MzU1NTQ-?act=reply&messageNum=32850>
> . Reply to sender
> <mailto:marmota@...?subject=Re%3A%20%5Bham-antennas%5D%20Heat%20Shrink%20or%20Head%20Shr
ink%20%5Bwas%3A%20End%20fed%20dipole%5D>
> . Reply to group
> <mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20%5Bham-antennas%5D%20Heat%20Shrink%
20or%20Head%20Shrink%20%5Bwas%3A%20End%20fed%20dipole%5D>
> . Start a New Topic
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/newtopic;_ylc=X3oDMTJmMW
V1bTFiBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBj
BHN0aW1lAzE0MDI5MzU1NTQ->
> . Messages in this topic
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/32807;_ylc=X3oDMT
M3aWVjaHBkBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMjg1MARz
ZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE0MDI5MzU1NTQEdHBjSWQDMzI4MDc->
> (24)
>
> HAM ANTENNAS Anything and everything, tell us or ask questions.
> Replies go to ALL 3336 members (as of 02/16/13). and attachments are
> NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com

> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJmMzVrcjhmBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDI5MzU1NTQ->
>
>
> * New Members
> <https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnamk5Z2czBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDAyOTM1NTU0>
> 10
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlbWQ2ZzM1BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwMjkzNTU1NA-->
>
> . Privacy
> <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> .
> Unsubscribe
> <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe>
> . Terms of Use <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
>
> .
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Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32852. RE: [ham-antennas] Re: End fed dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 17:40:55 UTC
From: Richard Schmuke
Topic: 32807 Message: 32852

I use a 5/16 bolt split down the middle and you just run the wires thru it and clamp down. It is weather proof, does not rust. The whole thing is about the size of a dime. The one in the picture is for 12 to 10ga but smaller wire 14/16 can be used and the do make the bolts in a smaller size also. It is a light weight solution to a movable / adjustable wire splice.

http://i1102.photobucket.com/albums/g453/KD0ZZ/160%20Loop/SplitBolt_zps565c8c1e.jpg

Rich Kd0zz

_,_._,___

32853. Re: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 18:24:44 UTC
From: Geoff NW7GM
Topic: 32828 Message: 32853

EGC = Equipment Grounding Conductor

That's about 36-40 feet of grounding wire plus the length of cable for your hand mike and/or headset. All of that is approaching 1/4 wave on 75m (I know it's a bit short of that). If there is any way for you to shorten your grounding runs, that might improve things. Remember, you want as low of an impedance to ground as you can get. The longer the runs, the higher the impedance AND the longer the run the more likely the ground system will become part of, or at least interact with, the antenna system which will put RF onto it and you don't want that coming back into your shack.

Geoff, NW7GM
Seattle, WA
CN87tr

On Mon, Jun 16, 2014 at 6:04 AM, 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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> What is EGC Electrical Ground Conductor ?
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> At the tower 16 Feet total in the ground grid ring
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> *Sent:* Monday, June 16, 2014 10:54 AM
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> *D.B. Cooper, you have a message.*
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> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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> *Sent:* Sunday, June 15, 2014 2:26 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Audio and RF
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32854. Re: [ham-antennas]Hy End Fend transformer

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 18:39:56 UTC
From: Billy McFarland
Topic: 32807 Message: 32854

All,

Does anyone know if this would work on a t-200-2 toroid?

https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcT2-UPEipGuC2fUFiPe6yjUFR814_6kTyPtLi1pNHTHJOxZJkzeGg

73 de GMØOBX Billy

_,_._,___

32855. RE: [ham-antennas]Hy End Fend transformer

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 17:45:03 UTC
From: KB3YRC
Topic: 32807 Message: 32855

NO But I ask

keitho@...

He builds them

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 3:40 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas]Hy End Fend transformer

All,

Does anyone know if this would work on a t-200-2 toroid?

https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcT2-UPEipGuC2fUFiPe6yjUFR814_6kTyPtLi1pNHTHJOxZJkzeGg

<https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcT2-UPEipGuC2fUFiPe6yjUFR814_6kTyPtLi1pNHTHJOxZJkzeGg>

73 de GMØOBX Billy

_’_·_’___

_____

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

32856. RE: [ham-antennas]Hy End Fend transformer

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 18:46:10 UTC
From: Billy McFarland
Topic: 32807 Message: 32856

Ok thanks just wondered.

73 Billy
GM0OBX
SKCC# 12202

32857. Re: [ham-antennas]Hy End Fend transformer

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 19:15:46 UTC
From: Original Woodchuck
Topic: 32807 Message: 32857

On Mon, Jun 16, 2014 at 07:39:56PM +0100, Billy McFarland gm0obx@... [ham-antennas] wrote:
> All,
>
> Does anyone know if this would work on a t-200-2 toroid?
>
> https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcT2-UPEipGuC2fUFiPe6yjUFR814_6kTyPtLi1pNHTHJOxZJkzeGg

Could I ask where this came from? Some article?

TNX & 73 Dave AB3NR

32858. Re: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 19:51:27 UTC
From: Geoff NW7GM
Topic: 32807 Message: 32858

>On Mon, Jun 16, 2014 at 9:19 AM, Original Woodchuck marmota@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>(1) I need to clarify whether the following is something people do,
>and that I've heard of, or if it is the product of a bout of brain
>fever: Over the joint, spread a generous layer of RTV sealant, then,
>before the sealant hardens, slip the heat-shrink over it. Then heat,
>and later clean up the sealant that has squeezed out. I've yet to try
>this, but it /sounds/ OK. Is it?

You shouldn't be using standard RTV/Silicone sealant on coax or coax
connector. They use Acetic acid for the curing process and emit ammonia
during the curing process which can contaminate and degrade the coax and/or
metals of the connector.

Geoff, NW7GM
Seattle, WA
CN87tr

On Mon, Jun 16, 2014 at 9:19 AM, Original Woodchuck marmota@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On Mon, Jun 16, 2014 at 04:50:42AM -0700, radiomanl@...
> [ham-antennas] wrote:
> > if you decide to use the heat shrink be sure to slide it about 2 or 3
> feet from the solder point before soldering
> > and let it cool before sliding it back .
> >
>
> Been there, didn't do it. Learned by not doing, alas.
>
> While on the subject of heat-shrink, a few questions:
>
> (1) I need to clarify whether the following is something people do,
> and that I've heard of, or if it is the product of a bout of brain
> fever: Over the joint, spread a generous layer of RTV sealant, then,
> before the sealant hardens, slip the heat-shrink over it. Then heat,
> and later clean up the sealant that has squeezed out. I've yet to try
> this, but it /sounds/ OK. Is it?
>
> (2) I've definitely read that heat-shrink which has an adhesive on its
> inner wall is superior. and that one can add adhesive to heat-shrink
> that lacks it. If so, what kind of glue is nice? Same as (1)? or is
> there something preferred?

>
> (3) Instead of sealant or adhesive, how does heat-shrink behave over
> one of the various "magic goos" that don't harden or vulcanize themselves
> or act as adhesives? There's some stuff used on aluminum to prevent
> oxidation, for example, and other stuffs that claim to prevent bimetallic
> corrosion, and other things. What of them? What of heat-shrink over
> self-amalgamating rubber tape?
>
> (4) What are the failures of heat-shrink?
>
> (5) Is there a "heat-shrink tape", i.e. something like self-amalgamating
> tape, that can be applied, allowed to "self-amalgamate" then be
> heat-shrunk?
>
> TNX & 73 Dave AB3NR
>
>

32859. AW: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 20:00:32 UTC
From: siegfried jackstien
Topic: 32807 Message: 32859

```
>
> On Mon, Jun 16, 2014 at 04:50:42AM -0700, radiomanl@... [ham-
> antennas] wrote:
> > if you decide to use the heat shrink be sure to slide it about 2 or 3
> feet from the solder point before soldering
> > and let it cool before sliding it back .
> >
>
> Been there, didn't do it. Learned by not doing, alas.
>
> While on the subject of heat-shrink, a few questions:
>
> (1) I need to clarify whether the following is something people do,
> and that I've heard of, or if it is the product of a bout of brain
> fever: Over the joint, spread a generous layer of RTV sealant, then,
> before the sealant hardens, slip the heat-shrink over it. Then heat,
> and later clean up the sealant that has squeezed out. I've yet to try
> this, but it /sounds/ OK. Is it?
>

Good but not the best

> (2) I've definitely read that heat-shrink which has an adhesive on its
> inner wall is superior. and that one can add adhesive to heat-shrink
> that lacks it. If so, what kind of glue is nice? Same as (1)? or is
> there something preferred?

If i wanna seal something with a heat shrink tubing and have only tube
without glue in it then I seal my connection with hot melt glue ... and
while still hot add the tubing over it

Heat from the glue then shrinks the tube somewhat... adding more heat with
hot air gun and some glue squeezes out ... let cool down ... done

>
> (3) Instead of sealant or adhesive, how does heat-shrink behave over
> one of the various "magic goos" that don't harden or vulcanize themselves
> or act as adhesives? There's some stuff used on aluminum to prevent
> oxidation, for example, and other stuffs that claim to prevent bimetallic
> corrosion, and other things. What of them? What of heat-shrink over

Nothing known here about any magic goo ... but ... I had a pl connection
outside that was ONLY sealed with self amalgating tape (scotch 3m tape)

Nothing else! ... after cutting away the tape the connectors inside looked
like brand-new ... was outside for over 20 years!!! In sun, rain and snow
```

So you see that tape is very good

Not needed to add heat to the tape after putting it on the connection

You can add a protection layer of a good pvc tape above the self amalgating tape just to protect it from unwrapping till the tape is set (amalgated)

But when applied right that is NOT needed

> self-amalgamating rubber tape?
>
> (4) What are the failures of heat-shrink?

Heat shrink tubing??? Does survive almost anything especially the version with the glue inside and a bit thicker wall

These tubings come in different sizes and QUALITY so look before buying
>
> (5) Is there a "heat-shrink tape", i.e. something like self-amalgamating
> tape, that can be applied, allowed to "self-amalgamate" then be
> heat-shrunk?
>

Already answered ... heating is not needed on these self amalgating tapes

Adding some SLIGHT heating can help for a better seal (but only a tiny bit of heat!!)

73

Sigi

Dg9bfc

32860. RE: [ham-antennas] Audio and RF

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 19:34:07 UTC
From: KB3YRC
Topic: 32828 Message: 32860

At the tower from each leg to a rod is Three feet and the ring around to each rod Buried is 6-9 Feet.

At the shack on the other end of the house 3 feet from the rod to my connector plate of coaxes.

The tower is a 33FT crank up , with a 5 Ft Mast. The cables come down the tower to about 9 FT off the ground and go in the side of the house in the attic to a ground block of Copper.

The longest piece from the grounding plate and 3 feet across the attic and (needs routed and mounted) down the side of the house to the grounding ring.

All radios and equipment are bonded in the shack to copper wire going outside.

See my pictures on QRZ

What is your take on hooking the grid to the water pipe?

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 3:25 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Audio and RF

EGC = Equipment Grounding Conductor

That's about 36-40 feet of grounding wire plus the length of cable for your hand mike and/or headset. All of that is approaching 1/4 wave on 75m (I know it's a bit short of that). If there is any way for you to shorten your grounding runs, that might improve things. Remember, you want as low of an impedance to ground as you can get. The longer the runs, the higher the impedance AND the longer the run the more likely the ground system will become part of, or at least interact with, the antenna system which will put RF onto it and you don't want that coming back into your shack.

Geoff, NW7GM
Seattle, WA
CN87tr

On Mon, Jun 16, 2014 at 6:04 AM, 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@...m> wrote:

What is EGC Electrical Ground Conductor ?

At the tower 16 Feet total in the ground grid ring

From there to the attic 15-18 Feet

At the shack from 5-6 feet at the most to the Rod

4 or # 2 Solid Copper

3.990 I was on my Head set and changed to the hand mic but was told if it changed.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 10:54 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Audio and RF

Oh, and what freqs were you experiencing this on?

Geoff, NW7GM
Seattle, WA
CN87tr

On Jun 16, 2014 2:56 AM, "'KB3YRC' kb3yrc@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

YES 3 rods at the tower and 1 rod at the shack

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 1:53 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Audio and RF

So, just to be sure I read it correctly....

You have a #4 Cu EGC running from your tower ground rods at ground level up to Cu plate at attic level? Then the lines (both coax and rotator control) that pass through that plate drop back down to basement level and attach to another Cu plate that is attached to yet another ground rod?

Sent from my iPad

On Jun 15, 2014, at 4:12 PM, "'KB3YRC' kb3yrc@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

Well Lets start at the Tower it is 33 ft. and is in a yard of concrete. I was instructed to have none of the rebar touch the metal of the tower. I have three ground rods 6 ft. apart and copper from each leg to a ground rod and all three rods bonded together in a ring. I have a ground wire # 4 from the rods to the attic to a mounting plate of Roofing copper where all antennas have a lighting adapter and the rotor wires and protected on this copper. The lines run to a terminal in the basement with a 15” X 15” Copper where all lines go through PL-259 Barrels locked to the copperplate attached to a ground rod just 3 ft. outside the wall. All radios and equipment are bonded to the same ground rod.

I was advised not to tie it to the house ground to keep the lighting out of the house. But as an electrician I like to tie them all together .

Two points of opinion.

This will be open for comment.

Richard

Ground EVERYTHING before you worry too much about it. Drive a nice 8' copper ground rod outside and run a line into your shack from it and connect every piece of gear to that ground. Also, not a bad idea to tie your house ground to this too.

Now, I realize that any conversation about grounding brings on a religious onslaught of "I know a better way." No doubt that there are a million better ways but sometimes you seek perfection but settle for progress. :-)

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 15, 2014 2:26 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Audio and RF

I had a report that my signal had a popping in the audio.

You may have some RF in your signal.

I was on HF on USB

I have a remote head set, Mic, PPT hooked up with about 4 ft. of cord.

Please explain what this contact was trying to indicate?

Richard

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

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Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3964/7683 - Release Date: 06/15/14

32861. Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 20:43:53 UTC
From: tony costa
Topic: 32803 Message: 32861

I would just replace that part of the dipole with new wire. But that just me. I am not familiar with split bolts but have to add weight to that side of the antenna.

tony

32862. Re: [ham-antennas]Hy End Fend transformer

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 20:48:27 UTC
From: Billy McFarland
Topic: 32807 Message: 32862

A blog from a PA station it's on google

73 Billy
GM0OBX
SKCC# 12202

32863. RE: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 21:01:12 UTC
From: Richard Schmuke
Topic: 32807 Message: 32863

As Geoff says RTV can be a problem. When you buy the RTV be sure it is type II or marked non-corrosive

Rich, Kd0zz

>and later clean up the sealant that has squeezed out. I've yet to try
>this, but it /sounds/ OK. Is it?

You shouldn't be using standard RTV/Silicone sealant on coax or coax connector. They use Acetic acid for the curing process and emit ammonia during the curing process which can contaminate and degrade the coax and/or metals of the connector.

Geoff, NW7GM
Seattle, WA
CN87tr

--

32864. RE: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 21:53:53 UTC
From: Richard Schmuke
Topic: 32803 Message: 32864

I agree Tony, it would be easy to replace, but I think he asked about a repair. Not everybody keeps couple thousand ft of silver plated wire around for antenna repair, HiHi.

http://i1102.photobucket.com/albums/g453/KD0ZZ/Multi%20Band%20Vert/MBVert004_zps6f68c326.jpg

!8ga, 19 strand, silver plate and thin insulation, made many radials for my 40M vertical and a large Tesla coil with it and many test antennas.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 16, 2014 3:44 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Unintended Emotional Responses In Posts

I would just replace that part of the dipole with new wire. But that just me. I am not familiar with split bolts but have to add weight to that side of the antenna.

tony

[Non-text portions of this message have been removed]

32865. Re: [ham-antennas] Re: Unintended Emotional Responses In Posts

Yahoo group: ham-antennas (2014)
Date: 2014-06-16 22:10:26 UTC
From: Don Sanders
Topic: 32803 Message: 32865

Yes, I agree. Split bolts are great but not available here in Ecuador.

Don HC/W4BWS

On Mon, Jun 16, 2014 at 3:43 PM, 'tony costa' k2vi@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I would just replace that part of the dipole with new wire. But that
> just me. I am not familiar with split bolts but have to add weight to that
> side of the antenna.
>
> tony
>
>
>

--
Dr. Don W4BWS

32866. Re: Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 09:58:50 UTC
From: Glen Ellis
Topic: 32807 Message: 32866

/quote There's some stuff used on aluminum to prevent
oxidation, for example, and other stuffs that claim to prevent bimetallic
corrosion, and other things. What of them? What of heat-shrink over
self-amalgamating rubber tape? quote/

This "No Aluminum Oxide" grease is NOT an adhesive.
However,
"NoAlox" and "PenTrox" are very good at protecting prepared Aluminum surfaces
from the quick oxidation that occurs between Aluminum and Oxygen.

google for MikeHolt electrical website, in the forums section for discussions about
aluminum wiring
in which I have parcipated.
google for NY-Inspect for a website with a 100 page section devoted to aluminum wiring
methods and problems and solutions.

Or, just don't try using this Oxide-Inhibiting-Grease as an adhesive.

Glen Ellis

Life is for living ... anything else is for an i-Phone.

FCC Commercial & and Amateur Radio

webpage: http://www.GeoCities.WS/glene77is ARRL, QRP/ARCI, SKCC , NAQCC
bio at QRZ.com

32867. My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 12:15:13 UTC
From: myfamilydotcom@...
Topic: 32867 Message: 32867

Setting: 32' self-support tower wih Mosely 5-band HF beam, Cushcraft VHF beam and Aliance HD-73-1 rotor mounted inside tower in a typical rotor-mount shelf and tower-top thrust bearing configuration.

Clue #1 - This spring when doing post-winter site checks, I discovered 2 3/8" stainless steel bolts sitting neatly at dead centre on the concrete tower pad. They still had lock-washers on their collars, so I wondered what the heck that was all about. Eventually I figured that I must have been working on a project and put them there for safe-keeping - but oddly I could not recall that. Things worked fine...

Clue #2: - About a month later I turned on my Aliance rotor control box late one evening to scan around. Oddly, the control box dial showed the antenna was parked at due south - something I would not likely do.

Clue #3: - When I attempted to activate the rotor, I immediately blew a control box fuse. Not good.

Clue #4: - I replaced the fuse, hoping perhaps the beam had blown to south position and was mechanically jammed. I hoped I could unstick it. I turned on the tower-cam and observed that while blowing the fuse AGAIN, the beam did not even budge. Now really not good.

Clue #5: - When trying a 3rd fuse (I know, not a great idea...) I observed the Azimuth meter needle moving somewhat erraticlly, and trying to go slightly off scale. The ohmmeter readings from inside showed abnormal readings on several leads. OK - shut off power and visit site in morning.

Clue #6: - Site at first looked normal - rotor cables seemed tight and no signs of tampering at the splice enclosure and along the tower.

Clue #7: - While wandering around the base of the tower like an inspector, I noticed nothing unusual until from one direction, the mast looked like it was lop-sided (not quite vertical). Then I figured it out:..

Can you figure out what had happened?

.
.
.

Answer: - The neat placement of the bolts with their lock-washer was a misleading clue. First off, I could not remember these bolt types in use at the tower or antenna structure. If they fell 32'. they'd have bounced off the concrete pad and been in the next county, but no they were neatly in a little pile.

These bolts turned out to be 2 of the rotor mount bolts (the ones bolting through the rotor support shelf up inside the rotor bell housing to keep the whole totor in place.

I believe that 2 had worked their way loose over the winter, and fell, but landed in deep snow at the tower base. After weeks/months of warming weather they slowly descended one-by-one to the tower base, lock washers and all. The second bolt must have done the same.

Some time later (the night I decided to give the bands a try) the 3rd bolt must have dropped out similarly. Now it bounced off the concrete base and was eventually spotted 6 feet away, lockwasher long gone.

When I rotated the rotor, the antenna stayed in place, and the rotor unit rotated about the last (4th) remaining screw, until the electrical cable was strained and pulled some conductors off the rotor, shorted out some wires and blew fuses until I figured out what was happening.

The wires evidently reverse-fed motor power leads back through the meter sense leads to the control box, resulting in erratic meter operation and blowing a few small silicon diodes on the control box (designed to protect the meter - thanks!).

With bolts back in place with lock-washers, 2 new diodes, and a morning up the tower re-connecting the strained cable assembly - all is well.

Lesson learned - make sure that these 4 stainless steel bolts are tight - I would not have thought that I could have mistanely left them finger-tight, but that is a possibility - or maybe they worked themselves loose over time since they are stainless steel, and the rotor housing is cast aluminium, and the temperature coefficients and stuff might favour evential loosening - I don't know - but I can tightenen them or check them from time to time and keep this from happening again.

MAybe you guys would have figured this out faster?

73

Kevin
VE9XYZ
Saint John, New Brunswick, CANADA

32868. RE: [ham-antennas] Re: Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 12:39:45 UTC
From: Richard Schmuke
Topic: 32807 Message: 32868

I am a little old and slow and don't ways understand all need to cover a solder joint outdoors with all this stuff. I have always used regular lead solder indoors , a 60/40 or 63/37 mix. For outdoor antenna work be it copper tubing on a J-Pole , slim jim or 14 or 12ga copper wire loop I use Stay-Brite. Stay-Brite is a lead free , silver bearing solder. Note, I said silver bearing , not silver solder so it does not require a torch for wire work. It will not turn dark grey and fuzz up like some lead solders and requires no covering from the elements. There are several lead free, silver bearing solders on the market, I just happen to use the Stay-Brite brand. Home Depot carries it as do all hardware and plumbing stores.

Rich, Kd0zz

32869. Re: [ham-antennas] Re: Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 13:04:23 UTC
From: Artek Manuals
Topic: 32807 Message: 32869

Rich

You are correct for electrical integrity there is no need for shrink wrap in the case of wire splicing

Shrink wrap however does add some degree of increased mechanical integrity when splicing stranded wire in an antenna system. My personal experience is that a spliced stranded wire tends to fail again at the point where the flexible wire ends in the rigid solder joint. The heat shrink tends to dampen the amount of flexing at the joint and thus prolongs the the point of failure due to bending fatigue

YMMV
Dave
NR1DX

On 6/17/2014 7:39 AM, 'Richard Schmuke' rdj@...
[ham-antennas] wrote:
>
> I am a little old and slow and don't ways understand all need to cover
> a solder joint outdoors with all this stuff. I have always used
> regular lead solder indoors , a 60/40 or 63/37 mix. For outdoor
> antenna work be it copper tubing on a J-Pole , slim jim or 14 or 12ga
> copper wire loop I use Stay-Brite. Stay-Brite is a lead free , silver
> bearing solder. Note, I said silver bearing , not silver solder so it
> does not require a torch for wire work. It will not turn dark grey and
> fuzz up like some lead solders and requires no covering from the
> elements. There are several lead free, silver bearing solders on the
> market, I just happen to use the Stay-Brite brand. Home Depot carries
> it as do all hardware and plumbing stores.
>
> Rich, Kd0zz
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32870. Re: [ham-antennas] Re: Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 13:29:58 UTC
From: Stan Labinsky Jr.
Topic: 32807 Message: 32870

Another point with the silver bearing solders.

Years back, when that stuff was just coming out and I was working for a company who had enough industry presence that I could ask for samples, well, the paper specs that came in the box said that the non-lead soldered joints were about three times as strong as those made with the 50-50 plumber's solder it was replacing. 50-50 is even a bit stronger than 60-40, or 63-37 radio solder.

In 1994 I put together a double extended zep "J"pole made out of 1/2" copper. Stands ten or so feet tall, with multiple joints, mounted only at the base. With all the storms and wind, none of those joints have come loose. Takes a bit more heat to work, but definitely Good Stuff!

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, June 17, 2014 8:39 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: Heat Shrink or Head Shrink [was: End fed dipole]

I am a little old and slow and don’t ways understand all need to cover a solder joint outdoors with all this stuff. I have always used regular lead solder indoors , a 60/40 or 63/37 mix. For outdoor antenna work be it copper tubing on a J-Pole , slim jim or 14 or 12ga copper wire loop I use Stay-Brite. Stay-Brite is a lead free , silver bearing solder. Note, I said silver bearing , not silver solder so it does not require a torch for wire work. It will not turn dark grey and fuzz up like some lead solders and requires no covering from the elements. There are several lead free, silver bearing solders on the market, I just happen to use the Stay-Brite brand. Home Depot carries it as do all hardware and plumbing stores.

Rich, Kd0zz

32871. RE: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 13:57:37 UTC
From: Dino Darling
Topic: 32871 Message: 32871

Bolts coming out of the bottom of the rotor. Antenna standing still and rotor twisting on the plate, pulling on the wires, and causing a short.

Dino - KX6D

-------- Original Message --------
Subject: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...
From: "myfamilydotcom@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, June 17, 2014 5:15 am
To: <ham-antennas@yahoogroups.com>

?

Setting:? 32' self-support tower wih Mosely 5-band HF beam, Cushcraft VHF beam and Aliance HD-73-1 rotor mounted inside tower in a typical rotor-mount shelf and tower-top thrust bearing configuration.
?
?Clue #1 - This spring when doing post-winter site?checks, I discovered 2 3/8" stainless steel bolts sitting neatly at dead centre on the concrete tower pad.? They still had lock-washers on their collars, so I wondered what the heck that was all about.? Eventually I figured? that I must have been working on a project and put them there for safe-keeping - but oddly I could not recall that.? Things worked fine...
?
Clue #2: - About a month later I turned on my Aliance rotor control box late one evening to scan around.? Oddly, the control box dial showed the antenna was parked at due south - something I would not likely do.
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Clue #3: - When I attempted to activate the rotor, I immediately blew a control box fuse.? Not good.?
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Clue #4: - I replaced the fuse, hoping perhaps the beam had blown to south position and was mechanically jammed.? I hoped I could unstick it.? I turned on the tower-cam and observed that while blowing the fuse AGAIN, the beam did not even budge. Now really not good.
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Clue #5: - When trying a 3rd fuse (I know, not a great idea...) I observed the Azimuth meter needle moving somewhat erraticlly, and trying to go slightly off scale.? The ohmmeter readings from inside showed abnormal readings on several leads.? OK - shut off power and visit site in morning.
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Clue #6: - Site at first looked normal - rotor cables seemed tight and no signs of tampering at the splice enclosure and along the tower.?
?
Clue #7: - While wandering around the base of the tower like an inspector, I noticed

nothing unusual until from one direction, the mast looked like it was lop-sided (not quite vertical).? Then I figured it out:..
?
Can you figure out what had happened?
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Answer: - The neat placement of the bolts with their lock-washer was a misleading clue.? First off, I could not remember these bolt types in use at the tower or antenna structure. If they fell 32'. they'd have bounced off the concrete pad and been in the next county, but no they were neatly in a little pile.

These bolts?turned out to?be?2 of the rotor mount bolts (the ones bolting through the rotor support shelf up inside the rotor bell housing to keep the whole totor in place.?
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I believe that 2 had worked their way loose over the winter, and fell, but landed in deep snow at the tower base.? After weeks/months of warming weather they slowly descended one-by-one?to the tower base, lock washers and all.? The second bolt must have done the same.
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Some time later (the night I decided to give the bands a try) the 3rd bolt must have dropped out similarly.? Now it bounced off the concrete base and was eventually spotted 6 feet away, lockwasher long gone.
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When I rotated the rotor, the antenna stayed in place, and the rotor unit rotated about the last (4th) remaining screw, until the electrical cable was strained and pulled some conductors off the rotor, shorted out some wires and blew fuses until I figured out what was happening.?
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The wires evidently reverse-fed motor power leads back through the meter sense leads? to the control box, resulting in erratic meter operation and blowing a few small silicon? diodes on the control box (designed to protect the meter - thanks!).
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With bolts back in place with lock-washers, 2 new diodes, and a morning up the tower re-connecting the strained cable assembly - all is well.
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Lesson learned - make sure that these 4 stainless steel bolts are tight - I would not have thought that I could have mistanely left them finger-tight, but that is a possibility - or maybe they worked themselves loose over time since they are stainless steel, and the rotor housing is cast aluminium, and the temperature coefficients and stuff might favour evential loosening - I don't know - but I can tightenen them or check them from time to time and keep this from happening again.
?
MAybe you guys would have figured this out faster?
?
73
?
Kevin
VE9XYZ

Saint John, New Brunswick, CANADA

?
?
?

32872. Interesting...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 18:45:40 UTC
From: David Cole
Topic: 32872 Message: 32872

Wow...

I just ran the line loss test on my 120 feet of RG8x, that has been in
teh ground for 10 or 12 years...

6 db at 6 MHz.... Not good!

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

32873. Re: [ham-antennas] Heat Shrink or Head Shrink [was: End fed dipole]

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 19:26:49 UTC
From: Original Woodchuck
Topic: 32807 Message: 32873

On Mon, Jun 16, 2014 at 04:01:12PM -0500, 'Richard Schmuke' rdj@... [ham-antennas] wrote:
> As Geoff says RTV can be a problem. When you buy the RTV be sure it is type II or marked non-corrosive
>
>
>
> Rich, Kd0zz
>

Thanks to you and the others who have contributed to this thread!

73 Dave AB3NR

32874. Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 20:06:18 UTC
From: Tom Horton
Topic: 32874 Message: 32874

I have some very knowledgeable folk telling me it's time to put the quad away and get a yagi instead. I am open to that but there is an issue. That being the price because I want to have at least 3 elements on 20-17-15-12-10.
All these years I have been using quads and know almost nothing about multiband yagis.
Many of the addressees of this e-mail are known to me to be antenna gurus. I would love to have advice as to what works and what doesn't as well as where they can be found and cost.
 PLEASE send any replies to k5iid@....
 Thanks 73 and hopefully see you in the pileups soon.

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

32875. Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 20:45:20 UTC
From: Adrian Flynn
Topic: 32867 Message: 32875

I would not have put the bolts in from the bottom in the first place!
When they get lose they fall out as you found out.

Put them in from the top using longer ones if need be (Welded nut on top)
then put lock washers and nuts *and Locktite* on threads and secure them.

If nut loosens and falls off the bolt is still holding plate in place!

72/73
Adrian KF7DYU

On Tue, Jun 17, 2014 at 8:15 AM, myfamilydotcom@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Setting: 32' self-support tower wih Mosely 5-band HF beam, Cushcraft VHF
> beam and Aliance HD-73-1 rotor mounted inside tower in a typical
> rotor-mount shelf and tower-top thrust bearing configuration.
>
>
>
> Clue #1 - This spring when doing post-winter site checks, I discovered 2
> 3/8" stainless steel bolts sitting neatly at dead centre on the concrete
> tower pad. They still had lock-washers on their collars, so I wondered
> what the heck that was all about. Eventually I figured that I must have
> been working on a project and put them there for safe-keeping - but oddly I
> could not recall that. Things worked fine...
>
>
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> Clue #2: - About a month later I turned on my Aliance rotor control box
> late one evening to scan around. Oddly, the control box dial showed the
> antenna was parked at due south - something I would not likely do.
>
>
>
> Clue #3: - When I attempted to activate the rotor, I immediately blew a
> control box fuse. Not good.
>
>
>
> Clue #4: - I replaced the fuse, hoping perhaps the beam had blown to south
> position and was mechanically jammed. I hoped I could unstick it. I
> turned on the tower-cam and observed that while blowing the fuse AGAIN, the

> beam did not even budge. Now really not good.
>
>
>
> Clue #5: - When trying a 3rd fuse (I know, not a great idea...) I observed
> the Azimuth meter needle moving somewhat erraticlly, and trying to go
> slightly off scale. The ohmmeter readings from inside showed abnormal
> readings on several leads. OK - shut off power and visit site in morning.
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> Clue #6: - Site at first looked normal - rotor cables seemed tight and no
> signs of tampering at the splice enclosure and along the tower.
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>
> Clue #7: - While wandering around the base of the tower like an inspector,
> I noticed nothing unusual until from one direction, the mast looked like it
> was lop-sided (not quite vertical). Then I figured it out:..
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> Can you figure out what had happened?
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> Answer: - The neat placement of the bolts with their lock-washer was a
> misleading clue. First off, I could not remember these bolt types in use
> at the tower or antenna structure. If they fell 32'. they'd have bounced
> off the concrete pad and been in the next county, but no they were neatly
> in a little pile.
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> These bolts turned out to be 2 of the rotor mount bolts (the ones bolting
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> landed in deep snow at the tower base. After weeks/months of warming

> weather they slowly descended one-by-one to the tower base, lock washers
> and all. The second bolt must have done the same.
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> Some time later (the night I decided to give the bands a try) the 3rd bolt
> must have dropped out similarly. Now it bounced off the concrete base and
> was eventually spotted 6 feet away, lockwasher long gone.
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> When I rotated the rotor, the antenna stayed in place, and the rotor unit
> rotated about the last (4th) remaining screw, until the electrical cable
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> wires and blew fuses until I figured out what was happening.
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> The wires evidently reverse-fed motor power leads back through the meter
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> blowing a few small silicon diodes on the control box (designed to protect
> the meter - thanks!).
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> With bolts back in place with lock-washers, 2 new diodes, and a morning up
> the tower re-connecting the strained cable assembly - all is well.
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> Lesson learned - make sure that these 4 stainless steel bolts are tight -
> I would not have thought that I could have mistanely left them
> finger-tight, but that is a possibility - or maybe they worked themselves
> loose over time since they are stainless steel, and the rotor housing is
> cast aluminium, and the temperature coefficients and stuff might favour
> evential loosening - I don't know - but I can tightenen them or check them
> from time to time and keep this from happening again.
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> MAybe you guys would have figured this out faster?
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> Kevin
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> VE9XYZ
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> Saint John, New Brunswick, CANADA
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32876. Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 21:29:54 UTC
From: Chuck Schultz
Topic: 32867 Message: 32876

This is somewhat impossible when he was screwing into a housing .
Locktitie is also not a good option on something that may be disabled
in the air . In 35 years I have never had such a failure . i think he
found his problem when he opened the possibility on never tightening
them when assembling years ago . Wq5B
On 6/17/2014 3:45 PM, Adrian Flynn ADRIANJAMESFLYNN@...
[ham-antennas] wrote:
> I would not have put the bolts in from the bottom in the first place!
> When they get lose they fall out as you found out.
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> Put them in from the top using longer ones if need be (Welded nut on
> top) then put lock washers and nuts *and Locktite* on threads and
> secure them.
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> If nut loosens and falls off the bolt is still holding plate in place!
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> 72/73
> Adrian KF7DYU
>
>
> On Tue, Jun 17, 2014 at 8:15 AM, myfamilydotcom@...
> <mailto:myfamilydotcom@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
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> Setting: 32' self-support tower wih Mosely 5-band HF beam,
> Cushcraft VHF beam and Aliance HD-73-1 rotor mounted inside tower
> in a typical rotor-mount shelf and tower-top thrust bearing
> configuration.
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> discovered 2 3/8" stainless steel bolts sitting neatly at dead
> centre on the concrete tower pad. They still had lock-washers on
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> and put them there for safe-keeping - but oddly I could not recall
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> to south position and was mechanically jammed. I hoped I could
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> blowing the fuse AGAIN, the beam did not even budge. Now really
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> mast looked like it was lop-sided (not quite vertical). Then I
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> Can you figure out what had happened?
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> was a misleading clue. First off, I could not remember these bolt
> types in use at the tower or antenna structure. If they fell 32'.
> they'd have bounced off the concrete pad and been in the next
> county, but no they were neatly in a little pile.
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> These bolts turned out to be 2 of the rotor mount bolts (the ones
> bolting through the rotor support shelf up inside the rotor bell
> housing to keep the whole totor in place.
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This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32877. RE: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 22:30:33 UTC
From: Dino Darling
Topic: 32871 Message: 32877

In the professional tower world the bolts are put in from the bottom. Upon inspection a bolt is easier to see than a nut. If a nut falls off and becomes lost the tower is just as unsecure. The bolt alerts to the problem and the hole can usually be spotted from the ground using a telescope. Not lying!

Dino - KX6D

-------- Original Message --------
Subject: Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...
From: "Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, June 17, 2014 1:45 pm
To: ham-antennas@yahoogroups.com

?

I would not have put the bolts in from the bottom in the first place!
When they get lose they fall out as you found out.

Put them in from the top using longer ones if need be (Welded nut on top) then put lock washers and nuts and Locktite on threads and secure them.

If nut loosens and falls off the bolt is still holding plate in place!

72/73
Adrian KF7DYU

On Tue, Jun 17, 2014 at 8:15 AM, myfamilydotcom@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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Setting:? 32' self-support tower wih Mosely 5-band HF beam, Cushcraft VHF beam and Aliance HD-73-1 rotor mounted inside tower in a typical rotor-mount shelf and tower-top thrust bearing configuration.

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32878. Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 22:49:24 UTC
From: Mel Farrer
Topic: 32871 Message: 32878

Yep. My 180 foot Rohn 65 tower has all of the bolts going up. While I don't climb the tower any more, it was a yearly maintenance trip to the top to visually check ALL of the nuts and safety lock wires to be in the proper location and snug. My tower has no loose nuts, pardon the pun.

Mel, K6KBE

On Tuesday, June 17, 2014 3:30 PM, "'Dino Darling' dino@...m [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

In the professional tower world the bolts are put in from the bottom. Upon inspection a bolt is easier to see than a nut. If a nut falls off and becomes lost the tower is just as unsecure. The bolt alerts to the problem and the hole can usually be spotted from the ground using a telescope. Not lying!

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-------- Original Message --------
>Subject: Re: [ham-antennas] My Antenna Mystery Solved - See if you could
>have figured this one out...
>From: "Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas]"
><ham-antennas@yahoogroups.com>
>Date: Tue, June 17, 2014 1:45 pm
>To: ham-antennas@yahoogroups.com
>
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>When they get lose they fall out as you found out.
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>Put them in from the top using longer ones if need be (Welded nut on top) then put lock washers and nuts and Locktite on threads and secure them.
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32879. Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-17 23:15:48 UTC
From: Ron Youvan
Topic: 32871 Message: 32879

On 6/17/2014 6:49 PM, Mel K6KBE Farrer farrerfolks@... wrote:

> Yep. My 180 foot Rohn 65 tower has all of the bolts going up. While I
> don't climb the tower any more, it was a yearly maintenance trip to the
> top to visually check ALL of the nuts and safety lock wires to be in the
> proper location and snug. My tower has no loose nuts, pardon the pun.

Professional towers are always installed with the bolts pointing UP
so when the nut falls off you can see sky up the through the hole, a
safety feature.
--
Ron KA4INM

32880. RE: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 00:32:21 UTC
From: Dino Darling
Topic: 32871 Message: 32880

Well if it isn't the "L" in KLM...or is it the "K"? I can't remember the story Mike told me once. Its an honor to meet you! If you ever need help with your tower, let me know! I'll climb a 180'er!

Dino - KX6D

-------- Original Message --------
Subject: Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...
From: "Mel Farrer farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, June 17, 2014 3:49 pm
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>

?

Yep.? My 180 foot Rohn 65 tower has all of the bolts going up. While I don't climb the tower any more, it was a yearly maintenance trip to the top to visually check ALL of the nuts and safety lock wires to be in the proper location and snug.? My tower has no loose nuts, pardon the pun.

Mel, K6KBE

On Tuesday, June 17, 2014 3:30 PM, "'Dino Darling' dino@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

?

In the professional tower world the bolts are put in from the bottom. Upon inspection a bolt is easier to see than a nut. If a nut falls off and becomes lost the tower is just as unsecure. The bolt alerts to the problem and the hole can usually be spotted from the ground using a telescope. Not lying!

Dino - KX6D

-------- Original Message --------
Subject: Re: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...
From: "Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, June 17, 2014 1:45 pm
To: ham-antennas@yahoogroups.com

I would not have put the bolts in from the bottom in the first place!
When they get lose they fall out as you found out.

Put them in from the top using longer ones if need be (Welded nut on top) then put lock washers and nuts and Locktite on threads and secure them.

If nut loosens and falls off the bolt is still holding plate in place!

72/73
Adrian KF7DYU

On Tue, Jun 17, 2014 at 8:15 AM, myfamilydotcom@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

?

Setting:? 32' self-support tower wih Mosely 5-band HF beam, Cushcraft VHF beam and Aliance HD-73-1 rotor mounted inside tower in a typical rotor-mount shelf and tower-top thrust bearing configuration.

?
?Clue #1 - This spring when doing post-winter site?checks, I discovered 2 3/8" stainless steel bolts sitting neatly at dead centre on the concrete tower pad.? They still had lock-washers on their collars, so I wondered what the heck that was all about.? Eventually I figured?; that I must have been working on a project and put them there for safe-keeping - but oddly I could not recall that.? Things worked fine...

?
Clue #2: - About a month later I turned on my Aliance rotor control box late one evening to scan around.? Oddly, the control box dial showed the antenna was parked at due south - something I would not likely do.

?
Clue #3: - When I attempted to activate the rotor, I immediately blew a control box fuse.? Not good.
?
Clue #4: - I replaced the fuse, hoping perhaps the beam had blown to south position and was mechanically jammed. I hoped I could unstick it.? I turned on the tower-cam and observed that while blowing the fuse AGAIN, the beam did not even budge. Now really not good.

?
Clue #5: - When trying a 3rd fuse (I know, not a great idea...) I observed the Azimuth meter needle moving somewhat erraticlly, and trying to go slightly off scale.? The ohmmeter readings from inside showed abnormal readings on several leads.? OK - shut off power and visit site in morning.

?
Clue #6: - Site at first looked normal - rotor cables seemed tight and no signs of tampering at the splice enclosure and along the tower.?

Clue #7: - While wandering around the base of the tower like an inspector, I noticed nothing unusual until from one direction, the mast looked like it was lop-sided (not quite vertical).? Then I figured it out:..

?
Can you figure out what had happened?
?

.
.
.
?
Answer: - The neat placement of the bolts with their lock-washer was a misleading clue.?
First off, I could not remember these bolt types in use at the tower or antenna structure.?
If they fell 32'. they'd have bounced off the concrete pad and been in the next county, but no they were neatly in a little pile.

?
These bolts?turned out to?be?2 of the rotor mount bolts (the ones bolting through the rotor support shelf up inside the rotor bell housing to keep the whole totor in place.?
?
I believe that 2 had worked their way loose over the winter, and fell, but landed in deep snow at the tower base.? After weeks/months of warming weather they slowly descended one-by-one?to the tower base, lock washers and all.? The second bolt must have done the same.

?
Some time later (the night I decided to give the bands a try) the 3rd bolt must have dropped out similarly.? Now it bounced off the concrete base and was eventually spotted 6 feet away, lockwasher long gone.

?
When I rotated the rotor, the antenna stayed in place, and the rotor unit rotated about the last (4th) remaining screw, until the electrical cable was strained and pulled some conductors off the rotor, shorted out some wires and blew fuses until I figured out what was happening.?

?
The wires evidently reverse-fed motor power leads back through the meter sense leads? to the control box, resulting in erratic meter operation and blowing a few small silicon? diodes on the control box (designed to protect the meter - thanks!).

?
With bolts back in place with lock-washers, 2 new diodes, and a morning up the tower re-connecting the strained cable assembly - all is well.
?
Lesson learned - make sure that these 4 stainless steel bolts are tight - I would not have thought that I could have mistanely left them finger-tight, but that is a possibility - or maybe they worked themselves loose over time since they are stainless steel, and the rotor housing is cast aluminium, and the temperature coefficients and stuff might favour evential loosening - I don't know - but I can tightenen them or check them from time to time and keep this from happening again.

?
MAybe you guys would have figured this out faster?
?
73
?
Kevin
VE9XYZ

Saint John, New Brunswick, CANADA
?
?
?
?

32881. Re: [ham-antennas] Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 01:51:13 UTC
From: Alex Netherton
Topic: 32874 Message: 32881

PLEASE folks, answer to the group. The reason we have a group is to share info with the group. When you ask the group a question, it is only right to answer to the whole group. There is plenty of bandwidth on the group, and I am sure many of us would like to know the answer to your question. Thanks.

I am one of those who went for a better rig instead of a better antenna. Putting up a tower and a beam is expen$ive!

Alex

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, Jun 17, 2014 at 4:06 PM, Tom Horton k5iid@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I have some very knowledgeable folk telling me it's time to put the quad
> away and get a yagi instead. I am open to that but there is an issue. That
> being the price because I want to have at least 3 elements on
> 20-17-15-12-10.
> All these years I have been using quads and know almost nothing about
> multiband yagis.
> Many of the addressees of this e-mail are known to me to be antenna gurus.
> I would love to have advice as to what works and what doesn't as well as
> where they can be found and cost.
> PLEASE send any replies to k5iid@....
> Thanks 73 and hopefully see you in the pileups soon.
>
> There is no joy in Mudville!
> http://www.dfwcontest.com
>
>
>
>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>
>
>

32882. RE: [ham-antennas] My Antenna Mystery Solved - See if you could have figured this one out...

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 03:14:08 UTC
From: Dave
Topic: 32867 Message: 32882

I order 1 and ½☐ Allen screws from Fasten_ _ and put them in the
rotor ☐ then add lock nuts to the bottom of the rotor and then
drop her into the holes

on the rotor plate ☐ if the nuts fall off the bottom it still sets
pretty close to in place and it stop the fiddling with trying to
get the bolts started ☐ Just a

thought ☐ works fer me ☐ WØDR / Dave 73 & gud luk

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, June 17, 2014 4:30 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] My Antenna Mystery Solved - See if you
could have figured this one out...

This is somewhat impossible when he was screwing into a housing .
Locktitie is also not a good option on something that may be
disabled in the air . In 35 years I have never had such a failure
. i think he found his problem when he opened the possibility on
never tightening them when assembling years ago . Wq5B

On 6/17/2014 3:45 PM, Adrian Flynn ADRIANJAMESFLYNN@...
[ham-antennas] wrote:

I would not have put the bolts in from the bottom in the first
place!

When they get lose they fall out as you found out.

Put them in from the top using longer ones if need be (Welded nut
on top) then put lock washers and nuts and Locktite on threads and
secure them.

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Clue #2: - About a month later I turned on my Aliance rotor control box late one evening to scan around. Oddly, the control box dial showed the antenna was parked at due south - something I would not likely do.

Clue #3: - When I attempted to activate the rotor, I immediately blew a control box fuse. Not good.

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Can you figure out what had happened?

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.

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Answer: - The neat placement of the bolts with their lock-washer was a misleading clue. First off, I could not remember these bolt types in use at the tower or antenna structure. If they fell 32'. they'd have bounced off the concrete pad and been in the next county, but no they were neatly in a little pile.

These bolts turned out to be 2 of the rotor mount bolts (the ones bolting through the rotor support shelf up inside the rotor bell housing to keep the whole totor in place.

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With bolts back in place with lock-washers, 2 new diodes, and a morning up the tower re-connecting the strained cable assembly - all is well.

Lesson learned - make sure that these 4 stainless steel bolts are tight - I would not have thought that I could have mistanely left them finger-tight, but that is a possibility - or maybe they worked themselves loose over time since they are stainless steel, and the rotor housing is cast aluminium, and the temperature coefficients and stuff might favour evential loosening - I don't know - but I can tightenen them or check them from time to time and keep this from happening again.

MAybe you guys would have figured this out faster?

73

Kevin

VE9XYZ

Saint John, New Brunswick, CANADA

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3972/7696 - Release Date: 06/17/14

32883. Re: Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 04:18:14 UTC
From: Jeffrey Lord
Topic: 32874 Message: 32883

Quad antennas by virtue of the fact you are working with full wave length elements , rather than shorter and electrically loaded elements should give greater sensitivity and transmission signal
I would stay with the Quads unless there were factors that prevent this
I do not have space for either , and now use a non resonate loop , which appears to perform reasonably well certainly better than the dipole which it replaced

Sent from my iPhone

32884. Re: [ham-antennas] Re: Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 04:36:54 UTC
From: Mike
Topic: 32874 Message: 32884

Pluss a loop/quad wont build up static ....

On 06/17/2014 09:18 PM, Jeffrey Lord jc_2aussie@... [ham-antennas]
wrote:
>
> Quad antennas by virtue of the fact you are working with full wave
> length elements , rather than shorter and electrically loaded elements
> should give greater sensitivity and transmission signal
> I would stay with the Quads unless there were factors that prevent this
> I do not have space for either , and now use a non resonate loop ,
> which appears to perform reasonably well certainly better than the
> dipole which it replaced
>
> Sent from my iPhone
>
>

--
Mike KC7NOA

32885. Re: Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 06:07:52 UTC
From: mikerodgerske5gbc@...
Topic: 32874 Message: 32885

Tom,

I've contemplated that myself. The problem is you'll need two yagis because ALL or at least most 5 band yagis have severe deficiencies on warc bands and usually sub par 10,15,20 performance to accommodate warc bands.

73
Mike R
Cleburne,Tx

There's more behind this picture than the wall.
-Doyle Lawson

32886. Re: [ham-antennas] Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 09:29:03 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32874 Message: 32886

for 20-6, you might look at homebrew hex beam construction. Gives about the performance of a 2 element yagi, is around 10' radius... small wind load, and fairly easy construction.

I'm putting one up at Field Day for the south wake ARC here. small TV type rotor to aim the thing... --I'm going with the wide band version, which has slightly lower gain than the narrow band.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Cc: ctdxcc <ctdxcc@...>; DFW <DFWcontest@yahoogroups.com>; LSDXA <lsdxa@yahoogroups.com>; TDXS <tdxs-list@...>; ntcc <ntcc@yahoogroups.com>
Sent: Tuesday, June 17, 2014 9:51 PM
Subject: Re: [ham-antennas] Yagis

PLEASE folks, answer to the group. The reason we have a group is to share info with the group. When you ask the group a question, it is only right to answer to the whole group. There is plenty of bandwidth on the group, and I am sure many of us would like to know the answer to your question. Thanks.

I am one of those who went for a better rig instead of a better antenna. Putting up a tower and a beam is expen$ive!

Alex

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, Jun 17, 2014 at 4:06 PM, Tom Horton k5iid@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>I have some very knowledgeable folk telling me it's time to put the quad away and get a yagi instead. I am open to that but there is an issue. That being the price because I want to have at least 3 elements on 20-17-15-12-10.
>All these years I have been using quads and know almost nothing about multiband yagis.
>Many of the addressees of this e-mail are known to me to be antenna gurus. I would love to have advice as to what works and what doesn't as well as where they can be found and cost.
> PLEASE send any replies to k5iid@....
> Thanks 73 and hopefully see you in the pileups soon.
>
>
>There is no joy in Mudville!
>http://www.dfwcontest.com

>
>
>
>
>
>K5IID Tom Horton Hillsboro, TX
>E sorter for ARRL W5 bureau
>Same call for 57 years!

32887. Re: Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 12:23:08 UTC
From: fly_ul@...
Topic: 32874 Message: 32887

How about a spiderbeam. a little bigger than a hex with greater gain

Jeff WO4R

32888. AW: [ham-antennas] Re: Yagis

Yahoo group: ham-antennas (2014)
Date: 2014-06-18 16:18:10 UTC
From: siegfried jackstien
Topic: 32874 Message: 32888

Or a big optibeam ... grin :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 18. Juni 2014 12:23
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Yagis
>
>
>
> How about a spiderbeam. a little bigger than a hex with greater gain
>
> Jeff WO4R
>
>

32889. Yagi.

Yahoo group: ham-antennas (2014)
Date: 2014-06-19 01:10:57 UTC
From: Robert Ahrens
Topic: 32889 Message: 32889

I am surprised no one has suggested a log periodic. I've read good things about tennadyne.

32890. How NOT to install a dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-06-19 14:30:57 UTC
From: John Murphy
Topic: 32890 Message: 32890

A person took this picture in Shakopee, MN. He and one of his co-workers were driving by and had to circle the block. It a picture of a guy, unknown what he is doing, however, it is my opinion he COULD be installing a dipole

cid:1.3507643691@...

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio☐s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...m

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

[Non-text portions of this message have been removed]

32891. Picture

Yahoo group: ham-antennas (2014)
Date: 2014-06-19 17:03:48 UTC
From: John Murphy
Topic: 32891 Message: 32891

I apologize apparently the picture embedded in the email did not come thru.
If it looks like spam, it is not. It was just a picture of a guy in a tree
doing something. The point of the picture was how he had got up in the tree.
If you did not get it, don☐t worry about it.

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John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

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Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

32892. Re: [ham-antennas] Picture

Yahoo group: ham-antennas (2014)
Date: 2014-06-19 17:17:10 UTC
From: Artek Manuals
Topic: 32891 Message: 32892

Attachments (photos and files) in most yahoo groups are set to OFF by
the moderator

To display photo it must be uploaded to the group photo section

Dave
NR1DX

On 6/19/2014 12:03 PM, 'John Murphy' jmurphy7411@...
[ham-antennas] wrote:
>
> I apologize apparently the picture embedded in the email did not come
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> */ARES/RACES/AFMARS Nothwest Area, Region 8/*
>
> */USAF Security Police, 1973-84/*
>
> */Owner, Oil Country Radio's/**//*
>
> */701-421-1134/*
>
> */Business Email: /**/ocr58763@.../* <mailto:ocr58763@...>
>
> */Personal Email: /**/jmurphy7411@.../*
> <mailto:jmurphy7411@...>*//*
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32893. Re: [ham-antennas] How NOT to install a dipole.

Yahoo group: ham-antennas (2014)
Date: 2014-06-19 19:47:36 UTC
From: Alex Netherton
Topic: 32890 Message: 32893

I've put up a few like that, but it really looks like he is cutting the tree...

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Thu, Jun 19, 2014 at 10:30 AM, 'John Murphy' jmurphy7411@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
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> A person took this picture in Shakopee, MN. He and one of his co-workers
> were driving by and had to circle the block. It a picture of a guy, unknown
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>
> [Non-text portions of this message have been removed]
>
>
>

32894. Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 01:57:17 UTC
From: soona4sail@...
Topic: 32894 Message: 32894

I certainly enjoy the group, and occasionally feel motivated to throw in a comment.
This is one of those times.

I have been an amateur for many years, and have, by way of my job as a forest fire air tanker pilot (retired), been shuffled from one remote airport to the next.

I always carried my FT102 in the back of the aircraft, and when dispatched to some remote airstrip, I made sure I had my slingshot, open faced spinning reel, support rope and at least an 80 mtr doublet (dipole fed with laddderline) 4 to 1 current balun, and a cheapo manual tuner, along as well.

Arrive at the airstrip, secure the aircraft, and after being stood down, I could have an antenna up in any two of the many trees,and be working good dx within a half hour. The doublet is a simple, elegant, efficient all band antenna, that will not destroy the pocket book, and will get you on the air. I realize many of you, do NOT have big trees, but often a simple pair of poles will help you get a wire antenna in the air.

My point is, that often times, simple, and inexpensive will work just as well as expensive and complex....and goodness knows, there are many manufacturers out there, only too willing to help you spend your money on something, that may or may not work. There is NO perfect antenna, and my experience, and my budget, has shown me that simple is the best for me.

Maybe it will work for you too!

Good Dx
and 73

John

32895. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 14:04:55 UTC
From: Alex Netherton
Topic: 32894 Message: 32895

No perfect antenna, but there is a best all around antenna and you have described it. You CAN DX on a doublet, you do not need a multi-thousand dollar rig, a tower and a beam (though they all help), but the best antenna you can afford. A dipole cut for 20 meters and fed with balanced line is hard to beat. For 40 and 80, a 120 foot wire to a nearby tree and directly into the matcher.

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

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ham-antennas@yahoogroups.com> wrote:

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>
>
> Arrive at the airstrip, secure the aircraft, and after being stood down, I
> could have an antenna up in any two of the many trees,and be working good
> dx within a half hour. The doublet is a simple, elegant, efficient all band
> antenna, that will not destroy the pocket book, and will get you on the
> air. I realize many of you, do NOT have big trees, but often a simple pair
> of poles will help you get a wire antenna in the air.
>
>
> My point is, that often times, simple, and inexpensive will work just as
> well as expensive and complex....and goodness knows, there are many

> manufacturers out there, only too willing to help you spend your money on
> something, that may or may not work. There is NO perfect antenna, and my
> experience, and my budget, has shown me that simple is the best for me.
>
>
> Maybe it will work for you too!
>
>
> Good Dx
>
> and 73
>
>
> John
>
>
>

32896. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 15:44:46 UTC
From: soona4sail@...
Topic: 32894 Message: 32896

I agree whole heartedly Alex. When you have kids vacuuming out the wallet, the budget is pretty tight for ham radio. Although I use a large loop now, I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder. It worked great, and was excellent DX on the higher bands, where I had multi wavelengths on the wire...

Best part, is the cost!! Inexpensive.

73 Good DX John

32897. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 16:17:23 UTC
From: Alex Netherton
Topic: 32894 Message: 32897

Yep, and here at the shack, I am radio poor (spent too darn much on them, but I LIKE them), and I have an 80 meter doublet and a 20 meter doublet, one north south, and the other east west. Works great, and in the year since I became active (last May), I have logged 65 countries, and that is probably averaging about 30 minutes a day - some days I don't even turn a rig on except for VHF/UHF. If I were like some, on it all the time, I would have collected a DXCC already.

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Fri, Jun 20, 2014 at 11:44 AM, soona4sail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
> the budget is pretty tight for ham radio. Although I use a large loop now,
> I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder.
> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>
>

32898. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 17:06:21 UTC
From: k2dfc@...
Topic: 32894 Message: 32898

There is a bright side. The kids do grow up. And some even move out. You'll have more time and money for ham radio. I do more operating and contesting then I ever did when the kids were small. I even took their room and made it into a shack.

Fred K2DFC

32899. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 17:33:03 UTC
From: farrerfolks@...
Topic: 32894 Message: 32899

I like the KISS approach. Here is a simple multiband idea I used last week on a fishing trip. If you take a horizontal 1/2 wave OCF 68 foot piece of wire 10 to 15 feet AGL, you get 40,20,15, and 10 all < 3:1. Yes, you need a ATU. So what? Then if you short out the feed point and end feed it against ground you have a 1/4 wave NVIS antenna for 80. Neat simple portable antenna.....

Mel, K6KBE

32900. Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 17:39:14 UTC
From: Keith Heimbold
Topic: 32900 Message: 32900

I am about to take a job in the Bay Area near San Jose and will likely be renting for awhile. I will be selling the house in San Diego and my towers and great antenna farm is coming down soon. I wanted to get some recommendations for magnetic loop antennas as they might be my only option for condo living. I have been looking at the MFJ antennas and wonder if anyone has an opinion of them. Also the Alex loop looks interesting but power is limited to 20W. Are there any other commercial manufacturers out there.

Thanks for the recommendations in advance.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

32901. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 17:44:48 UTC
From: Chuck Schultz
Topic: 32900 Message: 32901

I think I would look else where for an antenna. In 35 years a DXing I do not believe I have run across a competing station from six land running less than 2000 watts . I was told it was something about the Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
On 6/20/2014 12:39 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>
> I am about to take a job in the Bay Area near San Jose and will likely
> be renting for awhile. I will be selling the house in San Diego and my
> towers and great antenna farm is coming down soon. I wanted to get
> some recommendations for magnetic loop antennas as they might be my
> only option for condo living. I have been looking at the MFJ antennas
> and wonder if anyone has an opinion of them. Also the Alex loop looks
> interesting but power is limited to 20W. Are there any other
> commercial manufacturers out there.
>
> Thanks for the recommendations in advance.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32902. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 17:56:06 UTC
From: dean
Topic: 32894 Message: 32902

I don’t know that much about using ladder line or building a doublet, but would it be possible to connect a short piece of coax to your tuner. I don’t have a tuner that will do ladder line and my budget will be tight for a few years

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 8:44 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Simple Anternnas to get you started.

I agree whole heartedly Alex. When you have kids vacuuming out the wallet, the budget is pretty tight for ham radio. Although I use a large loop now, I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder. It worked great, and was excellent DX on the higher bands, where I had multi wavelengths on the wire...

Best part, is the cost!! Inexpensive.

73 Good DX John

32903. AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 18:17:46 UTC
From: siegfried jackstien
Topic: 32894 Message: 32903

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I don☐t know that much about using ladder line or building a doublet, but
> would it be possible to connect a short piece of coax to your tuner. I
> don☐t have a tuner that will do ladder line and my budget will be tight
> for a few years
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
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> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
> the budget is pretty tight for ham radio. Although I use a large loop now,
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> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
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> Best part, is the cost!! Inexpensive.
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> 73 Good DX John
>
>

32904. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 18:50:05 UTC
From: soona4sail@...
Topic: 32894 Message: 32904

Here is an excellent website hosted by ham universe, that will answer most questions about the lowly, but highly effective doublet.

73 John

The All Band HF Doublet - 80 thru 10 Meter Ladder Line Multiband Antenna
http://www.hamuniverse.com/hfdoublet.html

http://www.hamuniverse.com/hfdoublet.html

The All Band HF Doublet - 80 thru 10 Meter Ladder Line M...
http://www.hamuniverse.com/hfdoublet.html Shown with standard TV type 300 ohm ribbon line Details and construction

View on www.hamuniverse.com http://www.hamuniverse.com/hfdoublet.html
Preview by Yahoo

32905. Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 19:26:34 UTC
From: schwartzj22@...
Topic: 32905 Message: 32905

To all,

I have been doing some modeling and just thought I would pass along this info.
I modeled a vertical antenna for 10 – 20M. For a 3.6 meter long vertical wire with the base 10 feet off the ground and used the following 4 counterpoise wire lengths in meters:
7.03 (20M and 10M)
4.53 (17M)
3.41 (15M)
2.35 (12M)

The ends of the CPs are about 6.5 feet off the ground and at the antenna base of course they are 10 feet off the ground.

Here are the SWRs:

2.15 20M
1.1 17M
1.09 15M
1.08 12M
2.22 10M

These SWRs are for 50 ohms so I could just use 50 ohm coax. Might be a good idea to add a 1:1 balun at the antenna.

Of course someone could do the modeling for 10-40M but since my telescopic pole is 32 feet I did it for 10-20M. I already use the pole for one end of a dipole. Might as well try this idea to add a vertical.

Cost without the pole is about $12 for 100 foot of wire (but you only need about 69 feet).

Thoughts? Seems too good to be true.

Tks,

Joel – N3GSE

32906. Re: [ham-antennas] Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 19:53:01 UTC
From: Geoff NW7GM
Topic: 32905 Message: 32906

Did you model it with the dipole above so rou can get an idea about interaction and pattern distorsion?

On Friday, June 20, 2014, schwartzj22@yahoo.com [ham-antennas] < ham-antennas@yahoogroups.com> wrote:

>
>
> To all,
>
>
> I have been doing some modeling and just thought I would pass along this
> info.
>
> I modeled a vertical antenna for 10 – 20M. For a 3.6 meter long vertical
> wire with the base 10 feet off the ground and used the following 4
> counterpoise wire lengths in meters:
>
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>
> 4.53 (17M)
>
> 3.41 (15M)
>
> 2.35 (12M)
>
>
>
> The ends of the CPs are about 6.5 feet off the ground and at the antenna
> base of course they are 10 feet off the ground.
>
>
>
> Here are the SWRs:
>
>
>
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> 1.09 15M
>
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>

> 2.22 10M
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>
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>
>
> Of course someone could do the modeling for 10-40M but since my telescopic
> pole is 32 feet I did it for 10-20M. I already use the pole for one end of
> a dipole. Might as well try this idea to add a vertical.
>
>
>
> Cost without the pole is about $12 for 100 foot of wire (but you only need
> about 69 feet).
>
>
>
> Thoughts? Seems too good to be true.
>
>
>
> Tks,
>
> Joel – N3GSE
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

32907. Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:22:34 UTC
From: schwartzj22@...
Topic: 32905 Message: 32907

Geoff,

No, I am a novice at this.I would not know how to do that. I am glad I have gotten this far.

Tks,
Joel - N3GSE

32908. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:34:00 UTC
From: dean
Topic: 32894 Message: 32908

Wow thanks Sigi. I have the LDG AT-200Pro tuner for in the house. I can certainly put some coax outside.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:17 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Simple Anternnas to get you started.

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I don☐t know that much about using ladder line or building a doublet, but
> would it be possible to connect a short piece of coax to your tuner. I
> don☐t have a tuner that will do ladder line and my budget will be tight
> for a few years

>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
> the budget is pretty tight for ham radio. Although I use a large loop now,
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> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>

32909. Re: [ham-antennas] Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:37:01 UTC
From: Don Sanders
Topic: 32905 Message: 32909

Good idea for adding multiband performance to your pole.
Ant just a little short for 20 but at 2 : 1 SWR should work well with about
90 % efficiency.
With small tuner radio will be happy.
I have used vert with multilple 1/4 wave vertical wires on 20 to 10 with
good performance.

Don HC/W4BWS

32910. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:43:11 UTC
From: dean
Topic: 32894 Message: 32910

Thanks

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:50 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Simple Anternnas to get you started.

Here is an excellent website hosted by ham universe, that will answer most questions about the lowly, but highly effective doublet.

73 John

The All Band HF Doublet - 80 thru 10 Meter Ladder Line Multiband Antenna
The All Band HF Doublet - 80 thru 10 Meter Ladder Line M...
Shown with standard TV type 300 ohm ribbon line Details and construction
View on www.hamuniverse.com Preview by Yahoo

32911. Modelling design descriptions

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:44:20 UTC
From: farrerfolks@...
Topic: 32911 Message: 32911

Hi All,

I would like to suggest we include more information when telling us of a new design.

It will allow others to duplicate the design more easily.

Here goes:
1. Always indicate the ground type used. Many designs don't work the same in the wrong ground type.
2. Let us know the AGL of the antenna elements.
3. Antenna wire size.
4. Wire material and loss used.
5. If possible include the SWR plot, not just single frequency.
6. Include the antenna view if possible. A picture speaks a thousand words hi.
7. Include the type and version of the software used.
8. Last, it is great if you go to the output toolbar and select the description and copy it into the text.

I think that if these are provided, us modelling geeks can duplicate your work.....

Cheers,

Mel, K6KBE

32912. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 20:51:32 UTC
From: dean
Topic: 32894 Message: 32912

Can you recommend a good 4:1 current balun. I see so many out there. I will be using 14 Ga. THHN stranded wire.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:17 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Simple Anternnas to get you started.

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
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> I don☐t know that much about using ladder line or building a doublet, but
> would it be possible to connect a short piece of coax to your tuner. I
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> for a few years

>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
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> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
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> Best part, is the cost!! Inexpensive.
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> 73 Good DX John
>
>

32913. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 21:05:23 UTC
From: Don Sanders
Topic: 32894 Message: 32913

Yes, check out Balun Designs. Google it.

Don W4BWS

On Fri, Jun 20, 2014 at 3:51 PM, 'dean' deanf@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Can you recommend a good 4:1 current balun. I see so many out there. I
> will be using 14 Ga. THHN stranded wire.
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Friday, June 20, 2014 11:17 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* AW: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> Add a 1:4 balun to your tuner and it will do ladderline
>
> If you canb not find a match on a higher band or if it is a bit tricky to
> tune just add (or shorten) a few feet of ladderline and then try again
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> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 20. Juni 2014 17:56
> > An: ham-antennas@yahoogroups.com
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> > Best part, is the cost!! Inexpensive.
> >
> > 73 Good DX John
> >
> >
>
>
>

--
Dr. Don W4BWS

32914. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 21:07:58 UTC
From: Keith Heimbold
Topic: 32900 Message: 32914

Thanks Chuck. I will look at other space limited antennas. I doubt I will be very competitive but want to remain in the hobby.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 20, 2014, at 10:44 AM, "Chuck Schultz wq5b@valornet.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I think I would look else where for an antenna. In 35 years a DXing I do not believe I have run across a competing station from six land running less than 2000 watts . I was told it was something about the Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
>> On 6/20/2014 12:39 PM, Keith Heimbold ag6az@hotmail.com [ham-antennas] wrote:
>>
>> I am about to take a job in the Bay Area near San Jose and will likely be renting for awhile. I will be selling the house in San Diego and my towers and great antenna farm is coming down soon. I wanted to get some recommendations for magnetic loop antennas as they might be my only option for condo living. I have been looking at the MFJ antennas and wonder if anyone has an opinion of them. Also the Alex loop looks interesting but power is limited to 20W. Are there any other commercial manufacturers out there.
>>
>> Thanks for the recommendations in advance.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
>
>

32915. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 21:16:15 UTC
From: Brian Hemmis
Topic: 32900 Message: 32915

Look at K8NDS on qrz.com
He always has an amazing signal on 17m with one of his various magnetic loop antennas.
73, Brian K3USC (since 1962)

On Jun 20, 2014, at 5:07 PM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Thanks Chuck. I will look at other space limited antennas. I doubt I will be very competitive but want to remain in the hobby.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Jun 20, 2014, at 10:44 AM, "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>>
>> I think I would look else where for an antenna. In 35 years a DXing I do not believe I have run across a competing station from six land running less than 2000 watts . I was told it was something about the Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
>>
>> On 6/20/2014 12:39 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>>>
>>> I am about to take a job in the Bay Area near San Jose and will likely be renting for awhile. I will be selling the house in San Diego and my towers and great antenna farm is coming down soon. I wanted to get some recommendations for magnetic loop antennas as they might be my only option for condo living. I have been looking at the MFJ antennas and wonder if anyone has an opinion of them. Also the Alex loop looks interesting but power is limited to 20W. Are there any other commercial manufacturers out there.
>>>
>>> Thanks for the recommendations in advance.
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
>>>
>>
>>
>>

>>
>> This email is free from viruses and malware because avast! Antivirus protection is active.
>>
>>
>>
>
>

32916. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 21:58:19 UTC
From: Chuck Schultz
Topic: 32900 Message: 32916

Looking fwd to working you at the new QTH Wq5B
On 6/20/2014 4:07 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
> Thanks Chuck. I will look at other space limited antennas. I doubt I
> will be very competitive but want to remain in the hobby.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Jun 20, 2014, at 10:44 AM, "Chuck Schultz wq5b@...
> <mailto:wq5b@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
>> I think I would look else where for an antenna. In 35 years a DXing I
>> do not believe I have run across a competing station from six land
>> running less than 2000 watts . I was told it was something about the
>> Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
>>
>> On 6/20/2014 12:39 PM, Keith Heimbold ag6az@...
>> [ham-antennas] wrote:
>>>
>>> I am about to take a job in the Bay Area near San Jose and will
>>> likely be renting for awhile. I will be selling the house in San
>>> Diego and my towers and great antenna farm is coming down soon. I
>>> wanted to get some recommendations for magnetic loop antennas as
>>> they might be my only option for condo living. I have been looking
>>> at the MFJ antennas and wonder if anyone has an opinion of them.
>>> Also the Alex loop looks interesting but power is limited to 20W.
>>> Are there any other commercial manufacturers out there.
>>>
>>> Thanks for the recommendations in advance.
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
>>>
>>
>>
>>
>> ---
>> <http://www.avast.com/>

>>
>> This email is free from viruses and malware because avast! Antivirus
>> <http://www.avast.com/> protection is active.
>>
>>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32917. Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 22:05:23 UTC
From: schwartzj22@...
Topic: 32905 Message: 32917

Hi Don,

The vertical length was specifically chosen so that I could have low enough SWR on all 5 bands but with just one vertical wire and small tuner. The CPs were also specifically chosen so I could minimize their number.

If I had a longer vertical wire (for 20M) then 10M would suffer no matter what length of CP I used.

If it works it will be a neat setup. The model looks good!

Tks,
Joel - N3GSE

32918. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 22:29:37 UTC
From: dean
Topic: 32894 Message: 32918

I like this one.
http://www.balundesigns.com/servlet/the-110/current-balun-4-cln-1-designs/Detail

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 2:05 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yes, check out Balun Designs. Google it.

Don W4BWS

On Fri, Jun 20, 2014 at 3:51 PM, 'dean' deanf@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

Can you recommend a good 4:1 current balun. I see so many out there. I will be using 14 Ga. THHN stranded wire.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:17 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Simple Anternnas to get you started.

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I don’t know that much about using ladder line or building a doublet, but
> would it be possible to connect a short piece of coax to your tuner. I
> don’t have a tuner that will do ladder line and my budget will be tight
> for a few years
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
> the budget is pretty tight for ham radio. Although I use a large loop now,
> I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder.
> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>

--
Dr. Don W4BWS

32919. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 22:47:11 UTC
From: Jim Bennett
Topic: 32894 Message: 32919

My two centavos worth:

I have an 88 foot long doublet that is pretty much flat except for the last five feet on one end - it droops down a little. Center is about 45 feet up, attached to the top of an old fiberglass windsurfing mast strapped to a second floor chimney. The wire is from The Wireman and is number 26 Silky Coat. running from the doublet center to the other end of the house is about 110 feet of 450 ohm ladder line. I suspended it on fiberglass poles about 10 feet above ground and about eight inches from the side of the building. At the shack end I have that ladder line connected to a 4:1 balun from Balun Designs. I installed it under the eves so there is little chance of water intrusion to it OR the coax. From the balun, I run about ten feet of RG8-x coax to the back of my Elecraft KAT500 auto tuner.

The KAT500 has no problem finding a match to this antenna on 40-6 meters. It struggles a little on 80 but eventually gets it down to about 1.6:1. Same thing for the internal tuner on my K3 and the internal tuner on my KX3. Performance-wise, this is one of the best antennas I've had in 50 years of hamming. Is it the equal of a six element yagi at 100 feet on 20-10 meters? Not a chance. But it works and I have no problem working just about any station I can hear. Using this doublet I was able to achieve Five Band Worked All States (5BWAS) starting at zero in just over three years, and that was with two young kids at home and not a ton of time devoted to the radio. Also have worked a lot of DX stations with it.

I'd heartily recommend a ladder line fed doublet any day. Use a 4:1 balun, a short length (the shorter the better) of coax to your antenna tuner and you are in business.

Jim / W6JHB
Folsom, CA

On Friday, Jun 20, 2014, at Friday, 10:56 AM, 'dean' deanf@... [ham-antennas] wrote:

>
> I don’t know that much about using ladder line or building a doublet, but would it be possible to connect a short piece of coax to your tuner. I don’t have a tuner that will do ladder line and my budget will be tight for a few years
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet, the budget is pretty tight for ham radio. Although I use a large loop now, I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder. It worked great, and was excellent DX on the

higher bands, where I had multi wavelengths on the wire...
>
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>

32920. Re: [ham-antennas] Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 22:49:08 UTC
From: Don Sanders
Topic: 32905 Message: 32920

Well post results when you build it. It looks like a good balcony antenna
for some folks and a simple portable antenna.
Especiaally in the US there are many stations to talk with. Most of my
contacts are 3000 miles or more away. All contacts are DX, Hi.

Don

On Fri, Jun 20, 2014 at 5:05 PM, schwartzj22@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Don,
>
> The vertical length was specifically chosen so that I could have low
> enough SWR on all 5 bands but with just one vertical wire and small tuner.
> The CPs were also specifically chosen so I could minimize their number.
>
> If I had a longer vertical wire (for 20M) then 10M would suffer no matter
> what length of CP I used.
>
> If it works it will be a neat setup. The model looks good!
>
> Tks,
> Joel - N3GSE
>
>
>

--
Dr. Don W4BWS

32921. Re: [ham-antennas] Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 23:01:55 UTC
From: Original Woodchuck
Topic: 32905 Message: 32921

Comments interleaved...

On Fri, Jun 20, 2014 at 12:26:34PM -0700, schwartzj22@... [ham-antennas] wrote:
> To all,
>
>
> I have been doing some modeling and just thought I would pass along this info.
> I modeled a vertical antenna for 10 – 20M. For a 3.6 meter long vertical wire with the base 10 feet off the ground and used the following 4 counterpoise wire lengths in meters:
> 7.03 (20M and 10M)
> 4.53 (17M)
> 3.41 (15M)
> 2.35 (12M)

I assume these are arranged so that from above they are in a cross shape.
if the 7.03m cp is N, then I put 4.53m W, 3.41m S and 2.35m E.

I modelled this as aluminum wire, 1.63 mm diameter. (My little program is hardwired for Al for verticals, but the difference will not matter much.)
I used a Norton-Sommerfeld ground.

> The ends of the CPs are about 6.5 feet off the ground and at the antenna base of course they are 10 feet off the ground.
>
> Here are the SWRs:
>
> 2.15 20M
> 1.1 17M
> 1.09 15M
> 1.08 12M
> 2.22 10M
>
> These SWRs are for 50 ohms so I could just use 50 ohm coax. Might be a good idea to add a 1:1 balun at the antenna.
>
>
> Of course someone could do the modeling for 10-40M but since my telescopic pole is 32 feet I did it for 10-20M. I already use the pole for one end of a dipole. Might as well try this idea to add a vertical.

I didn't include a nearby dipole. Such a dipole will probably interact with any counterpoises that lie in same vertical plane as the dipole, i.e. are "pointing the same way (or the opposite way)". The feedline to the dipole is another interaction candidate. I would suggest grounding the feedline and shorting the two parts of the feedline on the dipole when modelling the vertical. (And when using it, too).

>
> Cost without the pole is about $12 for 100 foot of wire (but you only need about 69 feet).
>
> Thoughts? Seems too good to be true.

I agree, seems too good. I could not duplicate your reported SWRs, except for the result in/near the 15m band at 20.962MHz, VSWR=1.02. The antenna at this frequency had significant currents only in the vertical element and in the S (3.41m) counterpoise. The radiation pattern was directional (gain 1.5dbi, F/B 2.4 db). Direction of max gain about 130 degrees, i.e. SW. On other bands, VSWR is higher.

20m - ~67
17m - ~6.5
15m - ~2
12m - ~12
10m - ~10

These counterpoises are asymmetric, and things look more like models of bent and somewhat verticalized off-center fed dipoles.

I respectfully suggest you may have erred in specifying the antenna to your simulation s'ware. Possibly you entered the height as 10 meters, and the ends of the CPs at 6.7m?

I may have misunderstood how the counterpoises are arrayed.

My NEC2 compatible input deck on request. EZNEC might be able to read it. I cannot read EZNEC format specs, not running that software.

Dave AB3NR

32922. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 23:06:52 UTC
From: Don Sanders
Topic: 32894 Message: 32922

Well that #4114OCF is designed for windom Off Center Fed dipoles.
The #4114 (no OCF) is good for high power or the #4113 for 3KW
will save a few dollars and work well for ladder line fed dipoles.

My 88 ft doublet is fed with 300 ohm twin lead and works well with my
100 watts and with QRP.It keeps the broad side pattern 80 meters up
thru 20 meters. Longer doublets start to break up into multi lobes above
10 mHz. However they work very well. The secret is to get the center up
as high as possible above 30 feet even if the ends droop to about 15 feet.
I use a home brew 4:1 balun outside under the eves and about 15 feet of
coax into the station. I have a 50K resistor from each side of the balanced
line to a ground to reduce static noise.

Don HC/W4BWS

On Fri, Jun 20, 2014 at 5:29 PM, 'dean' deanf@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I like this one.
> http://www.balundesigns.com/servlet/the-110/current-balun-4-cln-1-designs/Detail
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Friday, June 20, 2014 2:05 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: AW: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> Yes, check out Balun Designs. Google it.
>
> Don W4BWS
>
>
> On Fri, Jun 20, 2014 at 3:51 PM, 'dean' deanf@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>> Can you recommend a good 4:1 current balun. I see so many out there.
>> I will be using 14 Ga. THHN stranded wire.
>>

>> 73, WY6L
>>
>>
>> *From:* mailto:ham-antennas@yahoogroups.com
>> <ham-antennas@yahoogroups.com>
>> *Sent:* Friday, June 20, 2014 11:17 AM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* AW: [ham-antennas] Simple Anternnas to get you started.
>>
>>
>>
>> Add a 1:4 balun to your tuner and it will do ladderline
>>
>> If you canb not find a match on a higher band or if it is a bit tricky to
>> tune just add (or shorten) a few feet of ladderline and then try again
>>
>> Nearly all manufacturers of tuners build their tuners that way (adding a
>> balun to one of the outputs for ladderline) ,,, so why not do that on your
>> tuner?!?
>>
>> You also can add the tuner outside with a few feet of coax between that
>> balun and your tuner in the shack (sometimes called "remote balun")
>>
>> On some rigs with a good built-in tuner you also can stick that balun at
>> the
>> rig (and use the internal tuner with that balun to tune ladderlimne fed
>> antenna)
>>
>> With a bit of "calculating over the thumb" you can easy see what antenna
>> length and what ladderline length gives a higher or lower impedance at the
>> shack end
>>
>> So ... there is no "magic" behind using ladderline
>>
>> Dg9bfc
>>
>> Sigi
>>
>> > -----Ursprüngliche Nachricht-----
>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> > Gesendet: Freitag, 20. Juni 2014 17:56
>> > An: ham-antennas@yahoogroups.com
>> > Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>> >
>> >
>> >
>> > I don’t know that much about using ladder line or building a doublet,
>> but
>> > would it be possible to connect a short piece of coax to your tuner. I
>> > don’t have a tuner that will do ladder line and my budget will be tight

>> > for a few years
>> >
>> > 73, WY6L
>> >
>> >
>> > From: mailto:ham-antennas@yahoogroups.com
>> > Sent: Friday, June 20, 2014 8:44 AM
>> > To: ham-antennas@yahoogroups.com
>> > Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>> >
>> >
>> >
>> > I agree whole heartedly Alex. When you have kids vacuuming out the
>> wallet,
>> > the budget is pretty tight for ham radio. Although I use a large loop
>> now,
>> > I originally started 35 yrs ago, with an 80 mtr doublet, balanced
>> feeder.
>> > It worked great, and was excellent DX on the higher bands, where I had
>> > multi wavelengths on the wire...
>> >
>> > Best part, is the cost!! Inexpensive.
>> >
>> > 73 Good DX John
>> >
>> >
>>
>>
>
>
> --
> Dr. Don W4BWS
>
>
>

--
Dr. Don W4BWS

32923. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 23:11:25 UTC
From: ka9p@...
Topic: 32900 Message: 32923

I ran the old, original MFJ for a while as a reference antenna on 20 and 17 and was pleasantly surprised by its performance stateside compared to an R7 verticil, and found it was as good as equal to and as bad as 0 to 6-8 dbs worse than a 30 foot high dipole.

Which is really good for a meter sized loop. There is some really good stuff on the internet about homebrewing, and a decent loop with a motor-operated 20-25 kv vacuum variable is a project I'd really like to get around to, as the few guys I've heard running 500 watts or so to that type of loop in the western US have had very competitive signals into Illinois.

Good luck. Scott ka9p

In a message dated 6/20/2014 4:08:03 P.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

Thanks Chuck. I will look at other space limited antennas. I doubt I will be very competitive but want to remain in the hobby.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Jun 20, 2014, at 10:44 AM, "Chuck Schultz _wq5b@..._ (mailto:wq5b@valornet.com) [ham-antennas]" <_ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com) > wrote:

I think I would look else where for an antenna. In 35 years a DXing I do not believe I have run across a competing station from six land running less than 2000 watts . I was told it was something about the Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
On 6/20/2014 12:39 PM, Keith Heimbold _ag6az@hotmail.com_ (mailto:ag6az@...) [ham-antennas] wrote:

I am about to take a job in the Bay Area near San Jose and will likely be renting for awhile. I will be selling the house in San Diego and my towers and great antenna farm is coming down soon. I wanted to get some recommendations for magnetic loop antennas as they might be my only option for condo living. I have been looking at the MFJ antennas and wonder if anyone has an opinion of them. Also the Alex loop looks interesting but power is limited to 20W. Are there any other commercial manufacturers out there.

Thanks for the recommendations in advance.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

_____
(http://www.avast.com/)
This email is free from viruses and malware because _avast! Antivirus_
(http://www.avast.com/) protection is active.

32924. Re: [ham-antennas] Modelling design descriptions

Yahoo group: ham-antennas (2014)
Date: 2014-06-20 23:47:18 UTC
From: Original Woodchuck
Topic: 32911 Message: 32924

On Fri, Jun 20, 2014 at 01:44:20PM -0700, farrerfolks@... [ham-antennas] wrote:
> Hi All,
>
> I would like to suggest we include more information when telling us of a new design.

An excellent idea.

>
> It will allow others to duplicate the design more easily.
>
> Here goes:
> 1. Always indicate the ground type used. Many designs don't work the same in the wrong ground type.
> 2. Let us know the AGL of the antenna elements.
> 3. Antenna wire size.
> 4. Wire material and loss used.
> 5. If possible include the SWR plot, not just single frequency.

Impedance is more informative.

> 6. Include the antenna view if possible. A picture speaks a thousand words hi.
> 7. Include the type and version of the software used.
> 8. Last, it is great if you go to the output toolbar and select the description and copy it into the text.

Re 8: EZNEC files are in a secret format. NEC2 files are not.
I recommend NEC2 versions. I have attached one to this email, mostly
to see if it makes it to the list or is stripped by yahoo. I am trying
to discover if EZNEC can produce card images of its input specs, but
am hampered because the EZNEC manual is also secret. (Mr Lewellan threatens
non-users against downloading (and presumably, reading) it.)

I attach the NEC2 input for my sim of Br Schwartz's "Vertical with CP".
I've also attached a .png of the VSWR and Z plots of the run of same.

I do not have facilities to post images to "the web". No website will
have me.

> I think that if these are provided, us modelling geeks can duplicate your work.....

The NEC2 file would suffice for me.

This is the NEC2 deck, with most comments stripped.

```
CM -- Input deck for Schwartz' V + 4 CPs.
CE --
GW 1 1 0.00000E+00 0.00000E+00 5.00000E-02 0.00000E+00 0.00000E+00 0.00000E+00 8.13863E-04
GW 2 23 0.00000E+00 0.00000E+00 3.60000E+00 0.00000E+00 0.00000E+00 5.00000E-02
```

```
8.13863E-04
GW 3 46 6.94874E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.13865E-04
GW 4 46 0.00000E+00 4.40300E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 5 46 -3.24000E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 6 46 0.00000E+00 -2.09422E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GM 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.04800E+00 0.00000E+00
GE 1 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
LD 5 0 0 0 3.50000E+07 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 200 0 0 1.80000E+00 1.51000E-01 3.18490E+01 0.00000E+00 0.00000E+00 0.00000E+00
EX 0 1 1 0 1.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
EK 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
GN 2 0 0 0 1.30000E+01 6.00000E-03 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 216 0 0 1.35000E+01 1.00000E-01 3.50000E+01 0.00000E+00 0.00000E+00 0.00000E+00
RP 0 46 37 0 0.00000E+00 0.00000E+00 2.00000E+00 1.00000E+01 0.00000E+00 0.00000E+00
EN 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
```

People not using old-style (text, fixed width font) mail software will
of course see all that as a "mess" probably. It is, in fact, neatly
formatted in columns. It has no tab characters in it.

73

Dave AB3NR

```
CM -- Schwartz V
CE --
GW 1 1 0.00000E+00 0.00000E+00 5.00000E-02 0.00000E+00 0.00000E+00 0.00000E+00 8.13863E-04
GW 2 23 0.00000E+00 0.00000E+00 3.60000E+00 0.00000E+00 0.00000E+00 5.00000E-02
8.13863E-04
GW 3 46 6.94874E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.13865E-04
GW 4 46 0.00000E+00 4.40300E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 5 46 -3.24000E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 6 46 0.00000E+00 -2.09422E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GM 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.04800E+00 0.00000E+00
GE 1 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
LD 5 0 0 0 3.50000E+07 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 200 0 0 1.80000E+00 1.51000E-01 3.18490E+01 0.00000E+00 0.00000E+00 0.00000E+00
EX 0 1 1 0 1.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
EK 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
GN 2 0 0 0 1.30000E+01 6.00000E-03 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 216 0 0 1.35000E+01 1.00000E-01 3.50000E+01 0.00000E+00 0.00000E+00 0.00000E+00
RP 0 46 37 0 0.00000E+00 0.00000E+00 2.00000E+00 1.00000E+01 0.00000E+00 0.00000E+00
```

EN 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00

[Non-text portions of this message have been removed]

32925. Re: [ham-antennas] Modelling design descriptions

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 00:16:42 UTC
From: Mel Farrer
Topic: 32911 Message: 32925

Ok, let's try this.

```
                      EZNEC ver. 5.0

OCF80portabledipole                          6/20/2014     5:15:08 PM

         --------------- ANTENNA DESCRIPTION ---------------

Frequency = 3.9 MHz
Wire Loss: Copper -- Resistivity = 1.74E-08 ohm-m, Rel. Perm. = 1

              --------------- WIRES ---------------

No.          End 1   Coord. (ft)              End 2   Coord. (ft)       Dia (in)
Segs        Insulation
      Conn.      X       Y       Z     Conn.      X       Y
Z                         Diel C  Thk(in)
1                  0,      0,     12    W2E1        0,   19.5,     12       #12
55          1        0
2      W1E2        0,   19.5,     12                0,    121,     12       #12
55          1        0

Total Segments: 110

              -------------- SOURCES --------------

No.      Specified Pos.     Actual Pos.      Amplitude    Phase    Type
       Wire #  % From E1  % From E1  Seg       (V/A)     (deg.)
1       1        98.00      97.27    54         1           0         I

          -------------- LOADS (R + jX Type) --------------

No.      Specified Pos.     Actual Pos.         R          X
       Wire #  % From E1  % From E1  Seg      (ohms)     (ohms)
1       1        20.00      19.09    11         0          0

No transmission lines specified

No transformers specified

No L Networks specified

Ground type is Real, MININEC-Type

              --------------- MEDIA ---------------

No.    Cond.    Diel. Const.  Height    R Coord.
       (S/m)                  (ft)      (ft)
1      0.005     13           0         0
```

Here is a output of the EZNEC design of a OCF dipole.

No big deal.

Mel, K6KBE

On Friday, June 20, 2014 4:47 PM, "Original Woodchuck marmota@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On Fri, Jun 20, 2014 at 01:44:20PM -0700, farrerfolks@... [ham-antennas] wrote:
> Hi All,
>
> I would like to suggest we include more information when telling us of a new design.

An excellent idea.

>
> It will allow others to duplicate the design more easily.
>
> Here goes:
> 1. Always indicate the ground type used. Many designs don't work the same in the wrong ground type.
> 2. Let us know the AGL of the antenna elements.
> 3. Antenna wire size.
> 4. Wire material and loss used.
> 5. If possible include the SWR plot, not just single frequency.

Impedance is more informative.

> 6. Include the antenna view if possible. A picture speaks a thousand words hi.
> 7. Include the type and version of the software used.
> 8. Last, it is great if you go to the output toolbar and select the description and copy it into the text.

Re 8: EZNEC files are in a secret format. NEC2 files are not.
I recommend NEC2 versions. I have attached one to this email, mostly
to see if it makes it to the list or is stripped by yahoo. I am trying
to discover if EZNEC can produce card images of its input specs, but
am hampered because the EZNEC manual is also secret. (Mr Lewellan threatens
non-users against downloading (and presumably, reading) it.)

I attach the NEC2 input for my sim of Br Schwartz's "Vertical with CP".
I've also attached a .png of the VSWR and Z plots of the run of same.

I do not have facilities to post images to "the web". No website will
have me.

> I think that if these are provided, us modelling geeks can duplicate your work.....

The NEC2 file would suffice for me.

This is the NEC2 deck, with most comments stripped.

```
CM -- Input deck for Schwartz' V + 4 CPs.
CE --
GW 1 1 0.00000E+00 0.00000E+00 5.00000E-02 0.00000E+00 0.00000E+00 0.00000E+00 8.13863E-04
GW 2 23 0.00000E+00 0.00000E+00 3.60000E+00 0.00000E+00 0.00000E+00 5.00000E-02
8.13863E-04
GW 3 46 6.94874E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.13865E-04
GW 4 46 0.00000E+00 4.40300E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 5 46 -3.24000E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 6 46 0.00000E+00 -2.09422E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GM 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.04800E+00 0.00000E+00
GE 1 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
LD 5 0 0 0 3.50000E+07 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 200 0 0 1.80000E+00 1.51000E-01 3.18490E+01 0.00000E+00 0.00000E+00 0.00000E+00
EX 0 1 1 0 1.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
EK 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
GN 2 0 0 0 1.30000E+01 6.00000E-03 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 216 0 0 1.35000E+01 1.00000E-01 3.50000E+01 0.00000E+00 0.00000E+00 0.00000E+00
RP 0 46 37 0 0.00000E+00 0.00000E+00 2.00000E+00 1.00000E+01 0.00000E+00 0.00000E+00
EN 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
```

People not using old-style (text, fixed width font) mail software will
of course see all that as a "mess" probably. It is, in fact, neatly
formatted in columns. It has no tab characters in it.

73

Dave AB3NR

```
CM -- Schwartz V
CE --
GW 1 1 0.00000E+00 0.00000E+00 5.00000E-02 0.00000E+00 0.00000E+00 0.00000E+00 8.13863E-04
GW 2 23 0.00000E+00 0.00000E+00 3.60000E+00 0.00000E+00 0.00000E+00 5.00000E-02
8.13863E-04
GW 3 46 6.94874E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.13865E-04
GW 4 46 0.00000E+00 4.40300E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 5 46 -3.24000E+00 0.00000E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GW 6 46 0.00000E+00 -2.09422E+00 -1.06579E+00 0.00000E+00 0.00000E+00 0.00000E+00
8.15000E-04
GM 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.04800E+00 0.00000E+00
GE 1 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
LD 5 0 0 0 3.50000E+07 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 200 0 0 1.80000E+00 1.51000E-01 3.18490E+01 0.00000E+00 0.00000E+00 0.00000E+00
EX 0 1 1 0 1.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
```

```
EK 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
GN 2 0 0 0 1.30000E+01 6.00000E-03 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
FR 0 216 0 0 1.35000E+01 1.00000E-01 3.50000E+01 0.00000E+00 0.00000E+00 0.00000E+00
RP 0 46 37 0 0.00000E+00 0.00000E+00 2.00000E+00 1.00000E+01 0.00000E+00 0.00000E+00
EN 0 0 0 0 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
```

[Non-text portions of this message have been removed]

32926. Re: [ham-antennas] Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 01:08:51 UTC
From: Dale Miller
Topic: 32905 Message: 32926

On 6/20/2014 5:49 PM, Don Sanders w4bws1@... [ham-antennas] wrote:
>
>
> Well post results when you build it. It looks like a good balcony
> antenna for some folks and a simple portable antenna.
> Especiaally in the US there are many stations to talk with. Most of my
> contacts are 3000 miles or more away. All contacts are DX, Hi.
>
> Don
>
>
> On Fri, Jun 20, 2014 at 5:05 PM, schwartzj22@...
> <mailto:schwartzj22@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> Hi Don,
>
>
> The vertical length was specifically chosen so that I could have
> low enough SWR on all 5 bands but with just one vertical wire and
> small tuner. The CPs were also specifically chosen so I could
> minimize their number.
>
> If I had a longer vertical wire (for 20M) then 10M would suffer no
> matter what length of CP I used.
>
> If it works it will be a neat setup. The model looks good!
>
> Tks,
> Joel - N3GSE
>
>
>
>
> --
> Dr. Don W4BWS
>

Why don't you check out WB3GCK's Pop-Up Vertical?
It can be used in the configuration your referring to.
< http://www.qsl.net/wb3gck/puv2.htm >

--
All the Best & 73's

Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

32927. AW: [ham-antennas] Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 01:12:10 UTC
From: siegfried jackstien
Topic: 32905 Message: 32927

Dx starts from 5000 miles upwards ... all other is local :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 21. Juni 2014 01:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Vertical antenna modeled
>
>
>
> On 6/20/2014 5:49 PM, Don Sanders w4bws1@... [ham-antennas] wrote:
>
>
> Well post results when you build it. It looks like a good balcony
> antenna for some folks and a simple portable antenna.
> Especiaally in the US there are many stations to talk with. Most of
> my contacts are 3000 miles or more away. All contacts are DX, Hi.
>
> Don
>
>
> On Fri, Jun 20, 2014 at 5:05 PM, schwartzj22@...m [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
> Hi Don,
>
>
> The vertical length was specifically chosen so that I could
> have low enough SWR on all 5 bands but with just one vertical wire and
> small tuner. The CPs were also specifically chosen so I could minimize
> their number.
>
> If I had a longer vertical wire (for 20M) then 10M would
> suffer no matter what length of CP I used.
>
> If it works it will be a neat setup. The model looks good!
>
> Tks,
> Joel - N3GSE

>
>
>
>
> --
> Dr. Don W4BWS
>
>
>
> Why don't you check out WB3GCK's Pop-Up Vertical?
> It can be used in the configuration your referring to.
> < http://www.qsl.net/wb3gck/puv2.htm >
> <http://www.qsl.net/wb3gck/puv2.htm>
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Cookeville, Tennessee
> Ham Operator since 1997 (Extra)
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@...
> stpatrick2spam@...
> stpatrick3spam@...
> bdchimneysweepspam@...
>
> (cut the spam to reply)
>
> __
>
>

32928. Re: [ham-antennas] Modelling design descriptions

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 01:58:13 UTC
From: Original Woodchuck
Topic: 32911 Message: 32928

[The full message body has unrecoverable character-encoding damage in Yahoo's archived raw text. Yahoo's separately preserved message snippet follows.]

Comments interleaved: ... It is a big deal. Convert that by hand to NEC2 input, without making reference to any EZNEC documentation. Time yourself. This also

32929. Re: [ham-antennas] Modelling design descriptions

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 04:58:02 UTC
From: Alex Netherton
Topic: 32911 Message: 32929

Yahoo only strips out non text files if the group is set to reject
attachments. I think it is "no HTML" setting. All my groups are set to
accept attachments. Other people don't want them.
73
On Jun 20, 2014 9:58 PM, "Original Woodchuck marmota@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Comments interleaved:
>
> On Fri, Jun 20, 2014 at 05:16:42PM -0700, Mel Farrer farrerfolks@...
> [ham-antennas] wrote:
> > Ok, let's try this.
> >
> > EZNEC ver. 5.0
> >
> > OCF80portabledipole 6/20/2014 5:15:08 PM
> >
> > --------------- ANTENNA DESCRIPTION ---------------
> >
> > Frequency = 3.9 MHz
> > Wire Loss: Copper -- Resistivity = 1.74E-08 ohm-m, Rel. Perm. = 1
> >
> > --------------- WIRES ---------------
> >
> > No. End 1 Coord. (ft) End 2 Coord. (ft)
> Dia (in) Segs Insulation
> > Conn. X Y Z Conn. X Y
> Z Diel C Thk(in)
> > 1 0, 0, 12 W2E1 0, 19.5,
> 12 #12 55 1 0
> > 2 W1E2 0, 19.5, 12 0, 121,
> 12 #12 55 1 0
> >
> > Total Segments: 110
> >
> > -------------- SOURCES --------------
> >
> > No. Specified Pos. Actual Pos. Amplitude Phase Type
> > Wire # % From E1 % From E1 Seg (V/A) (deg.)
> > 1 1 98.00 97.27 54 1 0 I
> >
> > -------------- LOADS (R + jX Type) --------------
> >

> > No. Specified Pos. Actual Pos. R X
> > Wire # % From E1 % From E1 Seg (ohms) (ohms)
> > 1 1 20.00 19.09 11 0 0
> >
> > No transmission lines specified
> >
> > No transformers specified
> >
> > No L Networks specified
> >
> > Ground type is Real, MININEC-Type
> >
> > --------------- MEDIA ---------------
> >
> > No. Cond. Diel. Const. Height R Coord.
> > (S/m) (ft) (ft)
> > 1 0.005 13 0 0
> > Here is a output of the EZNEC design of a OCF dipole.
> >
> > No big deal.
>
> It is a big deal. Convert that by hand to NEC2 input, without
> making reference to any EZNEC documentation. Time yourself.
>
> This also seems to be an EZNEC *output* file, not an *input*.
>
> Any given file can be read by a human and the results translated,
> massaged with a calculator (feet to meters, for just one example), the
> expressions for "W1E2" (whatever that is) guessed at, and so forth.
> However, a *program* to read just your one kind example here is not
> trivial. A *program* capable of reading and understanding *any* such file
> that EZNEC is able to produce is more difficult still. It can be done,
> but it is often a wasted effort to mess around with files formatted for
> human eyes.
>
> Better is to have the (binary?) input file, the thing that EZNEC uses to
> "save your model" between runs, and a believable specification of what's
> in that file. In a cooperative world (which we do not have), it would
> also be extremely helpful to have snippets of the source code to the
> EZNEC routines that write and read that format. It is also helpful to
> know what EZNEC means by certain terms. ("MININEC-type" -- that isn't NEC
> terminology, for example; EZNEC invented, for reasons I can only guess
> at, new, secret terminology for more things than this. Like writing a
> cookbook that refuses to say "bake" insisting instead on "oven soak"
> or (as in the MININEC ground case, "AMANA type cook", "Amana" being a brand
> name of baking oven). In a cooperative world, the EZNEC user manual(s)
> would be useful for to interpret these unique innovative terms.
>
> I'm not complaining of your example, I'm just noting that what as an
> EZNEC user you take for granted is to the outside world opaque and

> fraught with problems.
>
> The NEC2 input file I supplied -- correct me if I'm wrong -- can be
> read in directly by EZNEC, right? Some sort of "import" function?
> The meaning of each card and field is publicly documented, readily
> available on the 'net.
>
> Dave AB3NR
>
>

32930. Great Feedback on Simple antennas to get you started!

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 13:39:01 UTC
From: soona4sail@...
Topic: 32930 Message: 32930

Great comments from everyone. Thanks. I hope they serve as inspiration for those on smaller budgets.

Just one more comment: The doublet antenna as already stated in other feedback, requires a balun, to convert the balanced feedline, to an unbalanced feedline.

I cannot stress too much, the importance of a good quality balun. It is imperative that this component of your antenna, be the best you can build or afford. Balun Designs (I am not affiliated) produces excellent baluns, and will also take the time to answer your questions, and enquiries in a timely manner.

Do NOT buy anything you cannot look inside. I have seen sealed $50 baluns, sold on the internet, and described as a 4 to 1 current balun, turn out to be nothing more than a galvanized screw nail, with about 8 wraps of cheap coax. This is NOT a balun...it is not even a good RF choke!

Finally, an Elmer to me, once told me, that if you want to guarantee RF on the OUTSIDE of your coax, use a voltage balun. ....and if you want to avoid RF on the outside of your balun, us a CURRENT balun. I have only ever used current baluns, and have never had an RF problem. I cannot verify the truth of this argument, because I have never felt the need to try a voltage balun....

73 John

32931. Re: [ham-antennas] Great Feedback on Simple antennas to get you started!

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 14:08:49 UTC
From: Mel Farrer
Topic: 32930 Message: 32931

I would recommend two sites for any further reading on antennas and baluns, K9YC and W8JI. Great references.

Mel, K6KBE

On Saturday, June 21, 2014 6:39 AM, "soona4sail@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Great comments from everyone. Thanks. I hope they serve as inspiration for those on smaller budgets.

Just one more comment: The doublet antenna as already stated in other feedback, requires a balun, to convert the balanced feedline, to an unbalanced feedline.

I cannot stress too much, the importance of a good quality balun. It is imperative that this component of your antenna, be the best you can build or afford. Balun Designs (I am not affiliated) produces excellent baluns, and will also take the time to answer your questions, and enquiries in a timely manner.

Do NOT buy anything you cannot look inside. I have seen sealed $50 baluns, sold on the internet, and described as a 4 to 1 current balun, turn out to be nothing more than a galvanized screw nail, with about 8 wraps of cheap coax. This is NOT a balun...it is not even a good RF choke!

Finally, an Elmer to me, once told me, that if you want to guarantee RF on the OUTSIDE of your coax, use a voltage balun. ....and if you want to avoid RF on the outside of your balun, us a CURRENT balun. I have only ever used current baluns, and have never had an RF problem. I cannot verify the truth of this argument, because I have never felt the need to try a voltage balun....

73 John

32932. Re: Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 16:07:31 UTC
From: david.gillooly@...
Topic: 32900 Message: 32932

I live in Campbell/Los Gatos area near San Jose. I used an old AEA Iso-Loop antenna for twenty years as my only antenna, and it worked very well. For awhile I had a Butternut vertical also. The loop performed as well most of the time, sometimes better, sometimes worse.

The MFJ loop is about the same size as my old loop but it has a much better remote tuning system. The narrow bandwidth of the loops means they need to be retuned whenever you move frequency and certainly when bands are changed.

My loop was mounted horizontally about 4 feet of the ground so it was omnidirectional. You can mount them vertically for directionality but I never tried that.

The loops running at 100 watts need wide spaced capacitor plate spacings. The capacitor connection to the loop need to be very low resistance which means that just soldering a strap isn't a good idea. My AEA and the MFJ loops both weld the loop-capacitor connections. That is good.

The MfJ loop is expensive. I suggest if you get one save the shipping box. If when you get a more permanent location you can then easily sell the loop on eBay! They hold their value pretty well.

32933. Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 16:38:25 UTC
From: joel1847@...
Topic: 32933 Message: 32933

Trying to kill more than one bird per stone here and still keep the XYL happy.

Has anyone built a 43 foot vertical from those 4 foot aluminum/fiberglass military masts? You lose 3.5" as overlap between the joints, but by the time you get to 40 some odd feet you're either a bit short or a bit long. Using 12 pieces you end up with 44 feet which might be close enough. There are also fiberglass poles that you can interchange with the aluminum and what I would like to to do is use 12 of the aluminum poles as a vertical (44 feet) and then put 4 fiberglass poles on top of that and use it as a traditional mast for my vhf verticals. I'd like to use both of them at the same time as a remote base setup if possible but I don't think there would be enough separation to prevent front end overload. Going with a mast instead of a tower (which I have but isn't up yet) would allow me to have a tilt over base and I could paint the mast so it would be less noticeable.

Is this doable and does anyone know how much weight these military poles can support?

Thanks in advance

Joel
kj6dif

32934. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 16:48:11 UTC
From: Goldtr8 (KD8NNU)
Topic: 32933 Message: 32934

I built a cobweb antenna and put it on push poles at 44 ft. I use 3 guy wire system at two points for 6 total guy points and have had no issues at all. I put it up last summer and it surveived the winter just fine.

So with reasonable guying I think you would have a good shot at making it work.

The key for me was how to slow add sections and extend the guy wires so it was supported at all times.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 12:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Trying to kill more than one bird per stone here and still keep the XYL happy.

Has anyone built a 43 foot vertical from those 4 foot aluminum/fiberglass military masts? You lose 3.5" as overlap between the joints, but by the time you get to 40 some odd feet you're either a bit short or a bit long. Using 12 pieces you end up with 44 feet which might be close enough. There are also fiberglass poles that you can interchange with the aluminum and what I would like to to do is use 12 of the aluminum poles as a vertical (44 feet) and then put 4 fiberglass poles on top of that and use it as a traditional mast for my vhf verticals. I'd like to use both of them at the same time as a remote base setup if possible but I don't think there would be enough separation to prevent front end overload. Going with a mast instead of a tower (which I have but isn't up yet) would allow me to have a tilt over base and I could paint the mast so it would be less noticeable.

Is this doable and does anyone know how much weight these military poles can support?

Thanks in advance

Joel

kj6dif

32935. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 18:42:39 UTC
From: Dave
Topic: 32900 Message: 32935

has anyone any exp with this one?

Home of G4TPH Portable Magloop antennas

Home of G4TPH Portable Magloop antennas
Portable magnetic loop antennas - G4TPH Mag-loop antennas
View on www.g4tph.com Preview by Yahoo

On Friday, June 20, 2014 5:58 PM, "Chuck Schultz wq5b@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

Looking fwd to working you at the new QTH Wq5B

On 6/20/2014 4:07 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:

>Thanks Chuck. I will look at other space limited antennas. I doubt I will be very competitive but want to remain in the hobby.
>
>
>Keith
>AK6ZZ
>
>Sent from my iPhone please excuse typos
>
>On Jun 20, 2014, at 10:44 AM, "Chuck Schultz wq5b@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
>
>
>>I think I would look else where for an antenna. In 35 years a DXing I do not believe I have run across a competing station from six land running less than 2000 watts . I was told it was something about the Green law in Cal. Good luck and good DX on your move . Chuck Wq5B
>>
>>On 6/20/2014 12:39 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>>
>>
>>>I am about to take a job in the Bay Area near San Jose and will likely be renting for awhile. I will be selling the house in San Diego and my towers and great antenna farm is coming down soon. I wanted to get some recommendations for magnetic loop antennas as they might be my only option for condo living. I have been looking at the MFJ antennas and wonder if anyone has an opinion of them. Also the Alex loop looks interesting but power is limited to 20W. Are there any other commercial manufacturers out there.
>>>
>>>Thanks for the recommendations in advance.

>>>
>>>Keith
>>>AK6ZZ
>>>
>>>Sent from my iPhone please excuse typos
>>
>>
>>>>_____
>>
>> This email is free from viruses and malware because avast! Antivirus protection is active.
>>

_____

This email is free from viruses and malware because avast! Antivirus protection is active.

32936. Re: [ham-antennas] Commercial magnetic loop antenna recommendations

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 18:52:44 UTC
From: David Gillooly
Topic: 32900 Message: 32936

I have not. In any loop design even milli-ohms here and there add up to decrease efficiency. There are a lot of mechanical connections in this loop's design.

David Gillooly

On Sat, Jun 21, 2014 at 11:42 AM, Dave teckserve@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> has anyone any exp with this one?
>
> Home of G4TPH Portable Magloop antennas <http://www.g4tph.com/>
> [image: image] <http://www.g4tph.com/>
> Home of G4TPH Portable Magloop antennas <http://www.g4tph.com/>
> Portable magnetic loop antennas - G4TPH Mag-loop antennas
> View on www.g4tph.com <http://www.g4tph.com/>
> Preview by Yahoo
>
>
>
> On Friday, June 20, 2014 5:58 PM, "Chuck Schultz wq5b@...
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> power is limited to 20W. Are there any other commercial manufacturers out
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> ----------
> <http://www.avast.com/>
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32937. Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 20:20:17 UTC
From: schwartzj22@...
Topic: 32905 Message: 32937

Dave,

I appreciate the feedback. I am new at this. I can send you the 4NEC2 file. My email is as per QRZ.com.

I used the Optimizer to optimize the counterpoise length. When I did the modeling, I only used one counterpoise for each band. I did not look to see the effects of having all the CPs connected at the same time.

When I get to do the actual outdoor testing, the CP will be perpendicular to the dipole. I hope this helps.

Thoughts?

Tks,
Joel – N3GSE

32938. Re: [ham-antennas] Re: Vertical antenna modeled

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 20:38:43 UTC
From: Original Woodchuck
Topic: 32905 Message: 32938

On Sat, Jun 21, 2014 at 01:20:17PM -0700, schwartzj22@... [ham-antennas] wrote:
> Dave,
>
>
> I appreciate the feedback. I am new at this. I can send you the 4NEC2 file. My email is as per QRZ.com.

You're quite welcome. This is fun for me; I'm fairly new at it, too.

> I used the Optimizer to optimize the counterpoise length. When I did the modeling, I only used one counterpoise for each band. I did not look to see the effects of having all the CPs connected at the same time.

Ah, ha! I'll be running some sims myself like this then. I was running
all the CPs connected at once. That will certainly change Z and VSWR!

> When I get to do the actual outdoor testing, the CP will be perpendicular to the dipole. I hope this helps.

Gotcha. I may try then throwing in a dipole wire, just for fun.

> Thoughts?
>
> Tks,
> Joel - N3GSE

Results later tonight perhaps.

Dave AB3NR

32939. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 21:14:51 UTC
From: Walt Wilson
Topic: 32933 Message: 32939

Not sure this counts, but I am in the midst of erection of a 43 foot S9 vertical. I was unsure of how it would all work, but so far so good. I need to drive the galvanized 1 1/2 inch steel pipe and measure it. Assembly was a snap. By Monday I should have it up

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 12:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

I built a cobweb antenna and put it on push poles at 44 ft. I use 3 guy wire system at two points for 6 total guy points and have had no issues at all. I put it up last summer and it surveived the winter just fine.

So with reasonable guying I think you would have a good shot at making it work.

The key for me was how to slow add sections and extend the guy wires so it was supported at all times.

~73
Don
KD8NNU
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 12:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Trying to kill more than one bird per stone here and still keep the XYL happy.

Has anyone built a 43 foot vertical from those 4 foot aluminum/fiberglass military masts? You lose 3.5" as overlap between the joints, but by the time you get to 40 some odd feet you're either a bit short or a bit long. Using 12 pieces you end up with 44 feet which might be close enough. There are also fiberglass poles that you can interchange with the aluminum and what I would like to to do is use 12 of the aluminum poles as a vertical (44 feet) and then put 4 fiberglass poles on top of that and use it as a traditional mast for my vhf verticals. I'd like to use both of them at the same time as a remote base setup if possible but I don't think there would be enough separation to prevent front end overload. Going with a mast instead of a tower (which I have but isn't up yet) would allow me to have a tilt over base and I could paint the mast so it would be less noticeable.

Is this doable and does anyone know how much weight these military poles can support?

Thanks in advance

Joel

kj6dif

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3972/7717 - Release Date: 06/21/14

32940. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-21 21:31:36 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32933 Message: 32940

That is "do able" ---but you need to consider the Aluminum - corrosion will destroy efficiency because Al oxydizes VERY quickly. And the oxide is a great insulator.

The other problem: When you get above about 35 feet, the Aluminum poles get real heavy, and will "fold" while you try to get it up unless you do it by lifting one section at a time.

When you get to 40 feet, that is one HEAVY pole.

I have both the aluminum and fiberglass poles here. The fiberglas will fracture if it gets any bending moment going. (You can't do a tilt up on them...) So it is a straight lift only type thing.

The Aluminum, at least at the 30-40 foot level WILL allow you to do the tilt up thing, but you will need a couple of people to help getting it upright...and do that with guy ropes and so on.

I have a fan dipole hanging from the aluminum pole in an inverted V for 40-20-10. It works acceptably. However, when it comes to a rotor those poles will twist all by themselves... Go for the $100ish 35 push up pole from Rohn. They have a ground plate for it, and you can (in theory) put it up in the air at the right length...again with guy ropes.

I'm going that way for a hex beam I'm putting together for 20-17-15-12-10-6.... With a small TV type rotor for the antenna itself.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

On Sat, 6/21/14, joel1847@msn.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Subject: [ham-antennas] Using a 43 foot vertical as a mast or vice versa
To: ham-antennas@yahoogroups.com
Date: Saturday, June 21, 2014, 12:38 PM

Trying to kill more than one bird per stone here
and still keep the XYL happy.
Has anyone built a 43 foot
vertical from those 4 foot aluminum/fiberglass military
masts? You lose 3.5" as overlap between the
joints, but by the time you get to 40 some odd feet
you're either a bit short or a bit long. Using 12
pieces you end up with 44 feet which might be close
enough. There are also fiberglass poles that you can
interchange with the aluminum and what I would like to to do
is use 12 of the aluminum poles as a vertical (44 feet) and
then put 4 fiberglass poles on top of that and use it as a
traditional mast for my vhf verticals. I'd like to
use both of them at the same time as a remote base setup if

possible but I don't think there would be enough
separation to prevent front end overload. Going with a
mast instead of a tower (which I have but isn't up yet)
would allow me to have a tilt over base and I could paint
the mast so it would be less noticeable.
Is this doable and does anyone
know how much weight these military poles can
support?
Thanks in advance
Joelkj6dif

32941. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 03:48:51 UTC
From: Ed Simpson
Topic: 32933 Message: 32941

Hi All, since I live in an HOA, antennas are not permitted, LOL. I'm using a real 38' flag pole, think the tubing is 2 1/2" dia. It is mounted to my wooden deck and I have a piece of 6 guage wire about 5' long attached to it and the other end of the wire is attached to my sgc-235 atu. Have a field of radial wires attached to a copper stake about 7 1/2 feet in the ground and the ground wire from the atu is attached to the rod. The wire from the atu to the ground is about two foot. I can tune just above 2 to 30 with no problems. The flag pole is in sections and each section has been coated with anti-oxidant and fastened with stainless steel screws. Before the ?'s pop up, i'm currently a Tech but involved with the Coast Guard Aux and starting with Mars and have tested the antenna on most freq's because of them with no problems. I do know this is a compromise antenna, but it seems to work well for me as I have made many contacts from all over. I use NO guys on this flag pole. One might be able to put a fiberglass pole on top to use for whatever.

I also use those aluminum / fiberglass poles for all other sort of antenna's / supports. The fiberglass ones can be heavy and there are two types of these poles. The old ones have no reinforcements at the top or bottom, the new ones do and the new ones are thicker. As has been mentioned, guys on them would be the way to go.

Good luck, I’m having fun with the stuff I try,
hope you do as well.
Ed
W6EDD

From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 2:14 PM
Subject: Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Not sure this counts, but I am in the midst of erection of a 43 foot S9 vertical. I was unsure of how it would all work, but so far so good. I need to drive the galvanized 1 1/2 inch steel pipe and measure it. Assembly was a snap. By Monday I should have it up

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 12:48 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

I built a cobweb antenna and put it on push poles at 44 ft. I use 3 guy wire system at two points for 6 total guy points and have had no issues at all. I put it up last summer and it

surveived the winter just fine.

So with reasonable guying I think you would have a good shot at making it work.

The key for me was how to slow add sections and extend the guy wires so it was supported at all times.

~73
Don
KD8NNU
-.-
-.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, June 21, 2014 12:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Trying to kill more than one bird per stone here and still keep the XYL happy.

Has anyone built a 43 foot vertical from those 4 foot aluminum/fiberglass military masts? You lose 3.5" as overlap between the joints, but by the time you get to 40 some odd feet you're either a bit short or a bit long. Using 12 pieces you end up with 44 feet which might be close enough. There are also fiberglass poles that you can interchange with the aluminum and what I would like to to do is use 12 of the aluminum poles as a vertical (44 feet) and then put 4 fiberglass poles on top of that and use it as a traditional mast for my vhf verticals. I'd like to use both of them at the same time as a remote base setup if possible but I don't think there would be enough separation to prevent front end overload. Going with a mast instead of a tower (which I have but isn't up yet) would allow me to have a tilt over base and I could paint the mast so it would be less noticeable.

Is this doable and does anyone know how much weight these military poles can support?

Thanks in advance

Joel
kj6dif

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4592 / Virus Database: 3972/7717 - Release Date: 06/21/14

32942. Re: Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 15:09:03 UTC
From: Bill
Topic: 32933 Message: 32942

Not sure if this helps.
I just bought the S9 V43 43' Vertical Antenna - CLOSEOUT. From Cheap Ham. on sale for $125.
Have not put it together yet, but it looks well made and with some guying could probably support your needs.
Good Luck
72
Bill
W4WCS

32943. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 17:31:47 UTC
From: dean
Topic: 32894 Message: 32943

I’m going buggy trying to figure out how far the base of the antenna will be. I had it once but have misplaced it. if the center pole is A and one leg of the antenna is 70 feet and that will be B so with the base being C how do I calculate the distance from the pole to the ground with the angles being 60 degrees. Not too sure I worded it correctly. I guess its an isoleces triangle

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:17 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Simple Anternnas to get you started.

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I don☐t know that much about using ladder line or building a doublet, but

> would it be possible to connect a short piece of coax to your tuner. I
> don☐t have a tuner that will do ladder line and my budget will be tight
> for a few years
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,
> the budget is pretty tight for ham radio. Although I use a large loop now,
> I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder.
> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>

32944. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 18:19:04 UTC
From: David Gillooly
Topic: 32894 Message: 32944

```
Base / 70 feet = sin(60)= SquareRoot(3) / 2=0.866

Base= 70 * 0.866 = 60.62 feet

Your pole is 35 feet tall. I assumed your 60 degree angle was measured
relative to the vertical pole. Thus the slopping wire is 30 degrees,
sloping down from horizontal.

David Gillooly
```

32945. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 18:32:57 UTC
From: Don Sanders
Topic: 32894 Message: 32945

Well it is worded rather oddly but if I follow:

Pole is "A", leg of antenna "B" then from top of pole to ground would be "C".

Arranged more usually: Pole is "A", antenna leg is"B"(and would be the diagonal),and the length from pole to end of antenna "C".
Thus "B" squared would equal "A" squared plus "C" squared. or since you are looking for "C": C sq = Bsq minus "A" sq.
This assumes a 90 degree angle pole to ground and 45 degree at top of pole and at antenna to ground.

But you stated 60 degree angles? well then, if the angle at the top is 60 degrees, the angle at the antenna to ground will be 30 degrees. Therefore the distance from the pole to the ground end of the antenna will be 2 times the pole length.
Or if the angle at the top of the pole is 30 degrees (ground end of the antenna wire is 60 degrees) the distance "C" will be one half the height of the pole.

Hope this helps

Don HC/W4BWS

On Sun, Jun 22, 2014 at 12:31 PM, 'dean' deanf@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I’m going buggy trying to figure out how far the base of the antenna
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> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Friday, June 20, 2014 11:17 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* AW: [ham-antennas] Simple Anternnas to get you started.
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> You also can add the tuner outside with a few feet of coax between that
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> With a bit of "calculating over the thumb" you can easy see what antenna
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> Dg9bfc
>
> Sigi
>
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> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 20. Juni 2014 17:56
> > An: ham-antennas@yahoogroups.com
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> > Sent: Friday, June 20, 2014 8:44 AM
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> > 73 Good DX John
> >
> >
>
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>

--
Dr. Don W4BWS

32946. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 18:45:35 UTC
From: dean
Topic: 32894 Message: 32946

Pole is 30 ft. A so from ground to top of pole is 30 ft. The pole will actually be 40 ft with the ends tied to a 10 ft pole so nobody comes in contact with the antenna. The length on each side will be 70 ft and this includes the insulators and guy rope. I would like to make the angle at the top of the pole no more than 120 degrees and no less than 60 degrees.

It was very helpful. At one time I had this all figured out

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2014 11:32 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Simple Anternnas to get you started.

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This assumes a 90 degree angle pole to ground and 45 degree at top of pole and at antenna to ground.

But you stated 60 degree angles? well then, if the angle at the top is 60 degrees, the angle at the antenna to ground will be 30 degrees. Therefore the distance from the pole to the ground end of the antenna will be 2 times the pole length.
Or if the angle at the top of the pole is 30 degrees (ground end of the antenna wire is 60 degrees) the distance "C" will be one half the height of the pole.

Hope this helps

Don HC/W4BWS

On Sun, Jun 22, 2014 at 12:31 PM, 'dean' deanf@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I’m going buggy trying to figure out how far the base of the antenna will be. I had it once but have misplaced it. if the center pole is A and one leg of the antenna is 70 feet and that will be B so with the base being C how do I calculate the distance from the pole to the ground with the angles being 60 degrees. Not too sure I worded it correctly. I guess its an isoleces triangle

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 20, 2014 11:17 AM

To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Simple Anternnas to get you started.

Add a 1:4 balun to your tuner and it will do ladderline

If you canb not find a match on a higher band or if it is a bit tricky to tune just add (or shorten) a few feet of ladderline and then try again

Nearly all manufacturers of tuners build their tuners that way (adding a balun to one of the outputs for ladderline) ,,, so why not do that on your tuner?!?

You also can add the tuner outside with a few feet of coax between that balun and your tuner in the shack (sometimes called "remote balun")

On some rigs with a good built-in tuner you also can stick that balun at the rig (and use the internal tuner with that balun to tune ladderlimne fed antenna)

With a bit of "calculating over the thumb" you can easy see what antenna length and what ladderline length gives a higher or lower impedance at the shack end

So ... there is no "magic" behind using ladderline

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I don’t know that much about using ladder line or building a doublet, but
> would it be possible to connect a short piece of coax to your tuner. I
> don’t have a tuner that will do ladder line and my budget will be tight
> for a few years
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 8:44 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> I agree whole heartedly Alex. When you have kids vacuuming out the wallet,

> the budget is pretty tight for ham radio. Although I use a large loop now,
> I originally started 35 yrs ago, with an 80 mtr doublet, balanced feeder.
> It worked great, and was excellent DX on the higher bands, where I had
> multi wavelengths on the wire...
>
> Best part, is the cost!! Inexpensive.
>
> 73 Good DX John
>
>

--
Dr. Don W4BWS

32947. Re: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 18:48:21 UTC
From: dean
Topic: 32894 Message: 32947

Thanks David. The pole will not be higher than 30 ft. Actually the pole will be 40 ft but the end of the antenna will be 10 feet off the ground for good antenna safety.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2014 11:19 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Simple Anternnas to get you started.

Base / 70 feet = sin(60)= SquareRoot(3) / 2=0.866

Base= 70 * 0.866 = 60.62 feet

Your pole is 35 feet tall. I assumed your 60 degree angle was measured relative to the vertical pole. Thus the slopping wire is 30 degrees, sloping down from horizontal.

David Gillooly

32948. antenna mast support help

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 20:06:50 UTC
From: z_kevino@...
Topic: 32948 Message: 32948

I have a telescopic fiberglass mast (http://www.mgs4u.com/Antenna-MK-6-HD.htm http://www.mgs4u.com/Antenna-MK-6-HD.htm) that I need a better way to secure to my house. I have soffits that overhang 25" from my cinder block/stucco exterior walls. There are rain gutters which stick out another 6".
for my metal mast, I used a 6" stand off bracket and secured it into the fascia board, but for this project, they won"t work too well because the fiberglass is 2.5" OD at this point.

Has anyone ever used any of that unistrut / superstrut to manufacture something to brace masts to the fascia? I am not mechanically inclined, so any advice would be extremely appreciated.

the intent is to secure the mast to the fascia, but the base will be secured with some big angle iron, into cement, and the pipe clamped to the angle iron. The top of the mast is guyed at various levels.

thanks,
Kevin

32949. AW: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 21:15:38 UTC
From: siegfried jackstien
Topic: 32894 Message: 32949

You will have lower loss (and maybe a better match) if you place the tuner closer to the antenna ... or better say ... use a SHORT coax to the balun

In my fc1000 (mobile tuner by yaesu) I had some spare room to add the balun directly IN the case ... with a short jumper from output to the balun I can use it as "normal" (for a vertical against ground) ... or with ladderline

And ... when tuner does not find a match with a given length of antenna and ladderline ... I just add (or shorten) the ladderline a few feet and try again

Adding a balun (or exactly a choke) to the INPUT of the tuner helps to suppress common mode current

And then also added some coils (chokes) to the control and power lines

So then the tuner is floating rf wise ... and only the antenna does radiate and not the coax to the tuner or the ladderline

... hope that helps you a bit

Greetz

Sigi

Dg9bfc

Ps a friend from me just erected (with my help) a ladderline fed doublet with an autotuner in his attic ... ladderline from there to the doublet ... works superb!!!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 20:34
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> Wow thanks Sigi. I have the LDG AT-200Pro tuner for in the house. I can
> certainly put some coax outside.
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 11:17 AM

> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] Simple Anternnas to get you started.
>
>
>
> Add a 1:4 balun to your tuner and it will do ladderline
>
> If you canb not find a match on a higher band or if it is a bit tricky to
> tune just add (or shorten) a few feet of ladderline and then try again
>
> Nearly all manufacturers of tuners build their tuners that way (adding a
> balun to one of the outputs for ladderline) ,,, so why not do that on your
> tuner?!?
>
> You also can add the tuner outside with a few feet of coax between that
> balun and your tuner in the shack (sometimes called "remote balun")
>
> On some rigs with a good built-in tuner you also can stick that balun at
> the
> rig (and use the internal tuner with that balun to tune ladderlimne fed
> antenna)
>
> With a bit of "calculating over the thumb" you can easy see what antenna
> length and what ladderline length gives a higher or lower impedance at the
> shack end
>
> So ... there is no "magic" behind using ladderline
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 20. Juni 2014 17:56
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
> >
> >
> >
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> > would it be possible to connect a short piece of coax to your tuner. I
> > don□t have a tuner that will do ladder line and my budget will be tight
> > for a few years
> >
> > 73, WY6L
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> >

> > From: mailto:ham-antennas@yahoogroups.com
> > Sent: Friday, June 20, 2014 8:44 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] Simple Anternnas to get you started.
> >
> >
> >
> > I agree whole heartedly Alex. When you have kids vacuuming out the
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> > I originally started 35 yrs ago, with an 80 mtr doublet, balanced
> feeder.
> > It worked great, and was excellent DX on the higher bands, where I had
> > multi wavelengths on the wire...
> >
> > Best part, is the cost!! Inexpensive.
> >
> > 73 Good DX John
> >
> >
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32950. Re: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 21:59:07 UTC
From: Original Woodchuck
Topic: 32894 Message: 32950

On Sun, Jun 22, 2014 at 09:15:38PM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:

>
> So then the tuner is floating rf wise ... and only the antenna does radiate
> and not the coax to the tuner or the ladderline

And the chassis and case of the tuner is therefore RF-hot. Grounding the
tuner case then grounds 1/2 the signal, right? So one must allow it
to float.

Floating an asymmetric (i.e. typical, "unbalanced") tuner to get
symmetric ("balanced") results is quite a valid approach, and is used
by some designs, both commercial and amateur. But for safety, putting
the floating chassis inside another (grounded) cabinet, on standoffs,
with insulated shafts to all controls is part of the drill. I think.
At QRM power, it would seem to be unavoidable? Even at 100W?

73, Dave AB3NR

32951. RE: [ham-antennas] antenna mast support help

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 22:10:03 UTC
From: Richard Schmuke
Topic: 32948 Message: 32951

I am somewhat mechanically inclined, I built my own tilt over tower/ antenna supports.
http://i1102.photobucket.com/albums/g453/KD0ZZ/TiltOverB-1.jpg

also several pictures of it in my album.

Also a small tilt unit I built 30 years ago,

http://i1102.photobucket.com/albums/g453/KD0ZZ/Tilt2.jpg

still in use today for test antennas

You can even build a wooden tilt antenna support if you have a little feline help

http://i1102.photobucket.com/albums/g453/KD0ZZ/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg

Unistrut would work fine , they have nice little 45 degree angles to build a support triangle with. My worry would be the strength of you fascia board structure when you get a wind load.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, June 22, 2014 3:07 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] antenna mast support help

I have a telescopic fiberglass mast (http://www.mgs4u.com/Antenna-MK-6-HD.htm) that I need a better way to secure to my house. I have soffits that overhang 25" from my cinder block/stucco exterior walls. There are rain gutters which stick out another 6".

for my metal mast, I used a 6" stand off bracket and secured it into the fascia board, but for this project, they won"t work too well because the fiberglass is 2.5" OD at this point.

Has anyone ever used any of that unistrut / superstrut to manufacture something to brace masts to the fascia? I am not mechanically inclined, so any advice would be extremely appreciated.

the intent is to secure the mast to the fascia, but the base will be secured with some big angle iron, into cement, and the pipe clamped to the angle iron. The top of the mast is guyed at various levels.

thanks,

Kevin

[Non-text portions of this message have been removed]

32952. AW: [ham-antennas] antenna mast support help

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 22:21:34 UTC
From: siegfried jackstien
Topic: 32948 Message: 32952

I would try to search for a stainless steel tube that fits the mast

Then you can build a tilt over around that

A metal clamp could crack your fibre glass pole ... that□s the reason why I
would reinforce the base with a stainless tube

Dg0bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 22. Juni 2014 20:07
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] antenna mast support help
>
>
>
> I have a telescopic fiberglass mast (http://www.mgs4u.com/Antenna-MK-6-
> HD.htm) that I need a better way to secure to my house. I have soffits
> that overhang 25" from my cinder block/stucco exterior walls. There are
> rain gutters which stick out another 6".
>
> for my metal mast, I used a 6" stand off bracket and secured it into the
> fascia board, but for this project, they won"t work too well because the
> fiberglass is 2.5" OD at this point.
>
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>
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> something to brace masts to the fascia? I am not mechanically inclined, so
> any advice would be extremely appreciated.
>
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> secured with some big angle iron, into cement, and the pipe clamped to the
> angle iron. The top of the mast is guyed at various levels.
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> thanks,
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> Kevin
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32953. AW: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 22:26:40 UTC
From: siegfried jackstien
Topic: 32894 Message: 32953

> >
> > So then the tuner is floating rf wise ... and only the antenna does
> radiate
> > and not the coax to the tuner or the ladderline
>
> And the chassis and case of the tuner is therefore RF-hot. Grounding the
> tuner case then grounds 1/2 the signal, right? So one must allow it
> to float.

Fc 1000 has a plastic case :-) so the only "hot" part is then the ground screw of the tuner (that is only hot when ungrounded!!!)

I used a choke on the input ... but when you ground the tuner at an antenna base that does not hurt ... so you can do both (grounded and ungrounded loads)

Dg9bfc

Sigi

32954. Re: AW: [ham-antennas] antenna mast support help

Yahoo group: ham-antennas (2014)
Date: 2014-06-22 23:07:26 UTC
From: Mark Stern
Topic: 32948 Message: 32954

Sent from my iPhone

On Jun 22, 2014, at 18:23, "'siegfried jackstien' siegfried.jackstien@...<mailto:siegfried.jackstien@...> [ham-antennas]" <ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>> wrote:

I would try to search for a stainless steel tube that fits the mast

Then you can build a tilt over around that

A metal clamp could crack your fibre glass pole ... that's the reason why I would reinforce the base with a stainless tube

Dg0bfc

Sigi

> -----Urspr?ngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com> [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 22. Juni 2014 20:07
> An: ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>
> Betreff: [ham-antennas] antenna mast support help
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>
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> I have a telescopic fiberglass mast (http://www.mgs4u.com/Antenna-MK-6-
> HD.htm) that I need a better way to secure to my house. I have soffits
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> secured with some big angle iron, into cement, and the pipe clamped to the

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> thanks,
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> Kevin
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32955. Re: AW: AW: [ham-antennas] Simple Anternnas to get you started.

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 01:50:42 UTC
From: dean
Topic: 32894 Message: 32955

I’m planning on putting the Balun close to where the radio is located just inside my window. Coax will be about 6 ft.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2014 2:15 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Simple Anternnas to get you started.

You will have lower loss (and maybe a better match) if you place the tuner closer to the antenna ... or better say ... use a SHORT coax to the balun

In my fc1000 (mobile tuner by yaesu) I had some spare room to add the balun directly IN the case ... with a short jumper from output to the balun I can use it as "normal" (for a vertical against ground) ... or with ladderline

And ... when tuner does not find a match with a given length of antenna and ladderline ... I just add (or shorten) the ladderline a few feet and try again

Adding a balun (or exactly a choke) to the INPUT of the tuner helps to suppress common mode current

And then also added some coils (chokes) to the control and power lines

So then the tuner is floating rf wise ... and only the antenna does radiate and not the coax to the tuner or the ladderline

... hope that helps you a bit

Greetz

Sigi

Dg9bfc

Ps a friend from me just erected (with my help) a ladderline fed doublet with an autotuner in his attic ... ladderline from there to the doublet ... works superb!!!

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 20. Juni 2014 20:34
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Simple Anternnas to get you started.
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> From: mailto:ham-antennas@yahoogroups.com
> Sent: Friday, June 20, 2014 11:17 AM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] Simple Anternnas to get you started.
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> If you canb not find a match on a higher band or if it is a bit tricky to
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> Nearly all manufacturers of tuners build their tuners that way (adding a
> balun to one of the outputs for ladderline) ,,, so why not do that on your
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> You also can add the tuner outside with a few feet of coax between that
> balun and your tuner in the shack (sometimes called "remote balun")
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> On some rigs with a good built-in tuner you also can stick that balun at
> the
> rig (and use the internal tuner with that balun to tune ladderlimne fed
> antenna)
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> With a bit of "calculating over the thumb" you can easy see what antenna
> length and what ladderline length gives a higher or lower impedance at the
> shack end
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> So ... there is no "magic" behind using ladderline
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> Dg9bfc
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> Sigi
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> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 20. Juni 2014 17:56
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Simple Anternnas to get you started.
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> >
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> > From: mailto:ham-antennas@yahoogroups.com
> > Sent: Friday, June 20, 2014 8:44 AM
> > To: ham-antennas@yahoogroups.com
> > Subject: Re: [ham-antennas] Simple Anternnas to get you started.
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> > I agree whole heartedly Alex. When you have kids vacuuming out the
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> feeder.
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> > multi wavelengths on the wire...
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> > Best part, is the cost!! Inexpensive.
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> > 73 Good DX John
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> >
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32956. spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 02:09:07 UTC
From: cadiscase@...
Topic: 32956 Message: 32956

What is a good spray on coating for ladder line?
Something to lesson the change or effect when the ladder line gets wet ?
Any recommendations?
Thanks

32957. AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 02:22:03 UTC
From: siegfried jackstien
Topic: 32956 Message: 32957

I am guessing you mean the "window" line ... right?!?

I have seen that somebody took a punch (and scissors) and made the holes (windows) bigger to lessen the effect of rain on the insulation (that would also lower the loss somewhat but that is out of the question here)

Maybe some silicon spray or wax spray could help ... but I do not know exactly ...

You always tune the antenna at the shack end anyway ... and I do not think that a few drops of water will take out your tuner settings toooo much

Here the tuning does not change much when it rains (so the ladderline becoming wet is not the problem) BUT ... AFTER the rain the tuning changes cause the ground below the antenna becomes wet (changing conductivity)

But I only see that influence in very dry summers (cause in all other cases the ground here is wet even if it has not rained for weeks)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 23. Juni 2014 02:09
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] spray on coating for ladder line
>
>
>
> What is a good spray on coating for ladder line?
>
> Something to lesson the change or effect when the ladder line gets wet ?
>
> Any recommendations?
>
> Thanks
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>
>

32958. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 02:24:23 UTC
From: David Lewis
Topic: 32956 Message: 32958

Car wax works pretty good. I've heard that RainX is better,but haven't tried it.
 73,David

From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2014 9:09 PM
Subject: [ham-antennas] spray on coating for ladder line

What is a good spray on coating for ladder line?
Something to lesson the change or effect when the ladder line gets wet ?
Any recommendations?
Thanks

32959. AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 02:28:14 UTC
From: siegfried jackstien
Topic: 32956 Message: 32959

Ah ... yes ... that magic spray that is used if your windshield cleaners are broken and you have to drive home while it is raining cats and dogs ... yes that□s a good idea :-) ... something to try out definitely ...

Thanks david for that nice idea!!! Thumbs up! (or in modern words ... "I LIKE IT!)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 23. Juni 2014 02:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] spray on coating for ladder line
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> _____
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> From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, June 22, 2014 9:09 PM
> Subject: [ham-antennas] spray on coating for ladder line
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> Thanks
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32960. Re: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 03:13:05 UTC
From: Ken Brown
Topic: 32956 Message: 32960

Why not PVC pipe little fish line at to and 1-1/2 cap pinch the fish line with cap it's in the PVC pipe and you can make or drill a hole in the top of cap and put a rope at the top to hang it fill the hole with silicone so it don't leak or fill up with water.

Sent from my iPod

On Jun 22, 2557 BE, at 22:28, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

> Ah ... yes ... that magic spray that is used if your windshield cleaners are
> broken and you have to drive home while it is raining cats and dogs ... yes
> that’s a good idea :-) ... something to try out definitely ...
>
> Thanks david for that nice idea!!! Thumbs up! (or in modern words ... "I
> LIKE IT!)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Montag, 23. Juni 2014 02:24
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] spray on coating for ladder line
> >
> >
> >
> > Car wax works pretty good. I've heard that RainX is better,but haven't
> > tried it.
> > 73,David
> >
> >
> > _____
> >
> > From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> > To: ham-antennas@yahoogroups.com
> > Sent: Sunday, June 22, 2014 9:09 PM
> > Subject: [ham-antennas] spray on coating for ladder line
> >
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> >
> > What is a good spray on coating for ladder line?
> > Something to lesson the change or effect when the ladder line gets wet ?
> > Any recommendations?

> > Thanks
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32961. Re: Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 06:51:38 UTC
From: k9jfk@...
Topic: 32933 Message: 32961

Hi Joel,

I purchased the fiberglass poles a couple of years ago with just such a project in mind. After laying them out on the ground, measuring, weighing, and just "thinkin", I abandoned the idea as impractical for just one person. Had them out earlier this year to reexamine the idea and came to the same conclusion. First, it would be very hard for just one person to do alone, and second, it would require at least two levels of guy ropes, maybe three, to be safe. I believe the aluminum would present the same types of problems.

However, could it be done by one person? Yes, I think so, but it wouldn't be entirely safe and would require a great deal of care. Once up, I wouldn't think one person could take it down safely without breaking it.

If you look around, there are some commercial alternatives that could be erected by one person because they are "nesters" and can be secured one section at a time while being raised. However, they can't be used as supports for other antennas.

I think the practical limit for working with the masts, either fiberglass or aluminum, would be about the size of a quarter wave on 40m... 30 to 33ft.

Other alternatives have appeared in ham literature over the years, like aluminum ladder masts and wooden "A" frames, but you'd need help there, also.

73, Jimmie, K9JFK

32962. Re: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 09:44:47 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32956 Message: 32962

There is also a 2 part spray that is available at Lowes (big box home supply) and others.... You spray on part A.. wait for it to dry.. then spray on part b... at the end of that, you have a VERY waterproof environment that acts like a really strong rain-x...but FAR better. (spray on shoes? No mud.. spray on gloves, never get wet, well..other than from water that runs down your arm...)

Spray on hat? Your hair (if any) stays dry...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

_____
From: "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, June 22, 2014 10:28 PM
Subject: AW: [ham-antennas] spray on coating for ladder line

Ah ... yes ... that magic spray that is used if your windshield cleaners are broken and you have to drive home while it is raining cats and dogs ... yes that’s a good idea :-) ... something to try out definitely ...

Thanks david for that nice idea!!! Thumbs up! (or in modern words ... "I LIKE IT!)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 23. Juni 2014 02:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] spray on coating for ladder line
>
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>
> Car wax works pretty good. I've heard that RainX is better,but haven't
> tried it.
> 73,David
>
>
> _____
>
> From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Sunday, June 22, 2014 9:09 PM
> Subject: [ham-antennas] spray on coating for ladder line

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> What is a good spray on coating for ladder line?
> Something to lesson the change or effect when the ladder line gets wet ?
> Any recommendations?
> Thanks
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Posted by: "siegfried jackstien" <siegfried.jackstien@...>

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32963. Re: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 12:35:52 UTC
From: Joe
Topic: 32956 Message: 32963
Attachments: 1 described; binary payloads are missing from this source WARC

Has anyone tried that new awesome stuff from Rustoleum? The "Never Wet"
Stuff? Seems like it would not only keep it dry but looks like ICE
should also never ever be a problem too.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 6/22/2014 9:28 PM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
> Ah ... yes ... that magic spray that is used if your windshield cleaners are
> broken and you have to drive home while it is raining cats and dogs ... yes
> that's a good idea :-) ... something to try out definitely ...
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> LIKE IT!)
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>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Montag, 23. Juni 2014 02:24
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>> tried it.
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>> From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com>
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>> What is a good spray on coating for ladder line?
>> Something to lesson the change or effect when the ladder line gets wet ?
>> Any recommendations?
>> Thanks
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> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
>
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32964. Re: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 13:30:12 UTC
From: Bill Blomgren (kk4qdz)
Topic: 32956 Message: 32964
Attachments: 1 described; binary payloads are missing from this source WARC

That is exactly the stuff I was thinking of. Spray on part one.. wait for dry conditions.. then spray on part 2..

The videos they have are amazing.. MUD won't stick to it..

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

_____
From: "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, June 23, 2014 8:35 AM
Subject: Re: AW: [ham-antennas] spray on coating for ladder line

Has anyone tried that new awesome stuff from Rustoleum? The "Never Wet" Stuff? Seems like it would not only keep it dry but looks like ICE should also never ever be a problem too.

Joe WB9SBD
Sig

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 6/22/2014 9:28 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] wrote:

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>-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Gesendet: Montag, 23. Juni 2014 02:24
An: ham-antennas@yahoogroups.com Betreff: Re: [ham-antennas] spray on coating for ladder line Car wax works pretty good. I've heard that RainX is better,but haven't tried it. 73,David _____ From: "cadiscase@... [ham-antennas]" <ham-antennas@yahoogroups.com> To: ham-antennas@yahoogroups.com Sent: Sunday, June 22, 2014 9:09 PM
Subject: [ham-antennas] spray on coating for ladder line What is a good spray on coating for ladder line?
Something to lesson the change or effect when the ladder line gets wet ?
Any recommendations?
Thanks
>-----
Posted by: "siegfried jackstien" <siegfried.jackstien@freenet.de>
---------- HAM ANTENNAS Anything and everything, tell us or ask

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32965. RE: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 14:00:17 UTC
From: Ray, W4BYG
Topic: 32956 Message: 32965

If it is like the commercial "hydro-phobic" coatings that I have used on broadcast antennas, satellite dishes, etc., which is the very best product this type available, it is quite expensive). These commercial brands only last for about 5 years and then must be reapplied.

It's a type of thin Teflon coating. But it does wear off in time, due to outside weather.

Ray, W4BYG

Kindness is the inability to remain at ease in the presence of another person who is ill at ease, the inability to remain comfortable in the presence of another who is uncomfortable, the inability to have peace of mind when one□s neighbor is troubled... Samuel Holdenson

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, June 23, 2014 9:30 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] spray on coating for ladder line

That is exactly the stuff I was thinking of. Spray on part one.. wait for dry conditions.. then spray on part 2..

The videos they have are amazing.. MUD won't stick to it..

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, June 23, 2014 8:35 AM
Subject: Re: AW: [ham-antennas] spray on coating for ladder line

Has anyone tried that new awesome stuff from Rustoleum? The "Never Wet" Stuff? Seems like it would not only keep it dry but looks like ICE should also never ever be a problem too.

Joe WB9SBD

The Original Rolling Ball Clock
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On 6/22/2014 9:28 PM, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:

Ah ... yes ... that magic spray that is used if your windshield cleaners are

broken and you have to drive home while it is raining cats and dogs ... yes

that□s a good idea :-) ... something to try out definitely ...

Thanks david for that nice idea!!! Thumbs up! (or in modern words ... "I

LIKE IT!)

Dg9bfc

Sigi

-----Ursprüngliche Nachricht-----

Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]

Gesendet: Montag, 23. Juni 2014 02:24

An: ham-antennas@yahoogroups.com

Betreff: Re: [ham-antennas] spray on coating for ladder line

Car wax works pretty good. I've heard that RainX is better,but haven't

tried it.

73,David

From: "cadiscase@... [ham-antennas]"
<mailto:cadiscase@...m[ham-antennas]>
<mailto:ham-antennas@yahoogroups.com> <ham-antennas@yahoogroups.com>

To: ham-antennas@yahoogroups.com

Sent: Sunday, June 22, 2014 9:09 PM

Subject: [ham-antennas] spray on coating for ladder line

What is a good spray on coating for ladder line?

Something to lesson the change or effect when the ladder line gets wet ?

Any recommendations?

Thanks

Posted by: "siegfried jackstien" <mailto:siegfried.jackstien@...>
<siegfried.jackstien@...>

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[Non-text portions of this message have been removed]

32966. Re: AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 15:01:41 UTC
From: ke7zag@...
Topic: 32956 Message: 32966

Hi Joe, The Never Wet does not last more than a few weeks, then the weather and sun destroys its waterproofing properties. It also leaves a whitish gummy coating that is about as conductive as Mylar.
I use it to keep mud from accumulating on farm equipment surfaces, but it does not even last a full season (three months). On slick soft plastics it just slides off and will not coat because of the oils in the plastic.
Where it shines is on a four wheel drive tractor in gumbo mud, use it on the insides of the fenders and both sides of the wheels where you really do not care is there is a slightly gummy off color white coating, and it sheds mud for a few weeks, then it has to be reapplied.
The company will not return calls either!
73's
Randy

32967. Study into horizontal collinear arrays

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 15:41:43 UTC
From: farrerfolks@...
Topic: 32967 Message: 32967

About 3 years ago W6YJG/ZL2WW Carter O'brien wanted to build a monster curtain array. He asked me to investigate, by modelling, the evolution of an array using double extended Zepp elements, that would allow him to operate 40 through 10 meters. This project started with a single 1-1/4 wave antenna element fed in the middle and expanded to a 4 x 4 array. This took over two years to finalize into a 110 foot high 110 wide guyed tower configuration. Unfortunately, Carter went SK before he could see his dream come true. I have be released to share this investigation to those interested.

Mel, K6KBE

32968. Re: Study into horizontal collinear arrays

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 15:42:37 UTC
From: farrerfolks@...
Topic: 32967 Message: 32968

Correction ZL4WW, brain fart.

Mel

32969. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 16:00:42 UTC
From: Geoff NW7GM
Topic: 32956 Message: 32969

Before you apply any additives to your window line, I suggest you read this post by Steve, G3TXQ on the topic of wet ladder/window line.

http://www.karinya.net/g3txq/wet_ll/

On Sunday, June 22, 2014, cadiscase@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> What is a good spray on coating for ladder line?
>
> Something to lesson the change or effect when the ladder line gets wet ?
>
> Any recommendations?
>
> Thanks
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

32970. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 17:14:04 UTC
From: Artek Manuals
Topic: 32956 Message: 32970

Geoff

NOW that is useful information !!!!!!

Back to making ones own open wire line

tnxs for sharing

Dave
NR1DX
On 6/23/2014 11:00 AM, Geoff NW7GM geoff.nw7gm@... [ham-antennas]
wrote:
>
> Before you apply any additives to your window line, I suggest you read
> this post by Steve, G3TXQ on the topic of wet ladder/window line.
>
>
> http://www.karinya.net/g3txq/wet_ll/
>
>
>
> On Sunday, June 22, 2014, cadiscase@...
> <mailto:cadiscase@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
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> Something to lesson the change or effect when the ladder line gets
> wet ?
>
> Any recommendations?
>
> Thanks
>
>
>
>
> --
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32971. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 18:23:19 UTC
From: Ron Youvan
Topic: 32956 Message: 32971

Geoff

NOW that is NOT useful information !!!!!!

Back to making ones own open wire line

tnxs for sharing

Too bad he didn't test it anything like it is most frequently used, with
a 4:1 balun on each end and up away from the planet.

32972. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 19:04:19 UTC
From: Bruce Collins
Topic: 32956 Message: 32972

I'm running about 50 feet of "450 Ohm" window line outside and into the house..... with rain, or even with a Colorado big snow, and ice I only see an SWR change from, a near perfect match of 1:1, changing to to about <1.4 :1 max from 10m to 80m so I just said, the heck with it.

On Mon, Jun 23, 2014 at 12:23 PM, Ron Youvan ka4inm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Geoff
>
> NOW that is NOT useful information !!!!!!
>
>
> Back to making ones own open wire line
>
> tnxs for sharing
>
> Too bad he didn't test it anything like it is most frequently used, with a
> 4:1 balun on each end and up away from the planet.
>
>
>

32973. Re: spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 19:44:07 UTC
From: ac2gl@...
Topic: 32956 Message: 32973

Maybe something like Rain-X would work. Or perhaps auto wax. Just a thought.
Dave - AC2GL

32974. Re: [ham-antennas] Re: spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 19:49:56 UTC
From: Kenneth G. Gordon
Topic: 32956 Message: 32974

I am not aware that there is any real reason to worry about water on ladder-line.

I used 450 ohm ladder-line for years with an inverted-vee in Montana with up to a kW on it, and never had a problem that way. Water was of absolutely zero concern to me both theoretically and practically.

Perhaps where the air is laden with salt-water, that might be a problem, but it most certainly never was for me.

Ken W7EKB

32975. Re: [ham-antennas] Re: spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 20:42:16 UTC
From: Artek Manuals
Topic: 32956 Message: 32975

Try using ladder line as a shorted 1/4 wave phasing stub in a collinear array sometime....What an exercise in frustration and futility till I figured out what was going going ...even dew in the morning would detune the array.

Two years ago I built (per an article in May 2011 QST) several Skeleton Sleeve Multiband dipoles which employ ladder line as the radiating element. One side of the ladder line is a dipole for band (Lower) one and the other side (cut shorter) is a "coupled resonator" for another higher band. They worked well until it rained or snowed and then detuned badly . Again this like collinear array example uses ladder line in a HI-Q / high impedance situation where even minor fluctuations in dielectric cause big shifts in resonance

But Kens point is well taken in most situations where ladder line is used as the feed line you will unlikely be aware of the changes in loss or antenna tuner tuning during wet weather.

Dave
NR1DX

On 6/23/2014 2:49 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> I am not aware that there is any real reason to worry about water on
> ladder-line.
>
> I used 450 ohm ladder-line for years with an inverted-vee in Montana
> with up
> to a kW on it, and never had a problem that way. Water was of absolutely
> zero concern to me both theoretically and practically.
>
> Perhaps where the air is laden with salt-water, that might be a
> problem, but it
> most certainly never was for me.
>
> Ken W7EKB
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

32976. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 20:49:20 UTC
From: Original Woodchuck
Topic: 32956 Message: 32976

On Mon, Jun 23, 2014 at 02:23:19PM -0400, Ron Youvan ka4inm@... [ham-antennas] wrote:
>
>
> Geoff
>
> NOW that is NOT useful information !!!!!!
>
> Back to making ones own open wire line
>
> tnxs for sharing
>
> Too bad he didn't test it anything like it is most frequently used,
> with a 4:1 balun on each end and up away from the planet.

I feel I should speak in defense of the methods used.

First and foremost, the balun has nothing to add. Follow his math.
He correctly determined the Z0 of the line and correctly determined the
velocity and attenuation factors. It is an error to think that because
a VNA has a nominal impedance of 50 ohms, it is incapable of measuring
anything except 50 ohms. What good would such an instrument be!?

In practical use, the first thing ladder line does is head for ground,
usually, then proceed along near the ground -- less than one wavelength
at HF from ground. Handbooks say keep it above "touching height", i.e.
at about 3m or 10ft. That's in the vicinity of 1/4 wavelength or less
for frequencies less than 30MHz. The ground is in the near field of
the transmission line for probably nearly all amateur applications,
from feed point to entrance to the shack.

I have the strong suspicion that 2ft is fully adequate to reduce ground
losses to negligibility. Two feet is a distance cited in handbooks for
keeping balanced line away from "earthy" objects. If you feel this is
"too close", I counter by saying: this distance is within standard
practical amateur experience.

The author might have repeated one set of measurements at, say, 4 and then
8 feet to verify this. I am not sure that the effects follow an inverse
square law, since the earth is an infinite plane. I dimly recall that
the field around a charged wire at a distance from an infinite plane of
charge (a capacitor made of wire and a plane) does not obey an inverse
square law, but varies with the first power of the distance.

[takes off amateur physicist hat, puts on professional chemist's]

My chief criticism of the experimental series is in the nature of the
water used; It was rain water, collected and allowed to stand in a butt

(US: barrel) of unknown provenance and composition. Think "acid rain" here, too, which is typically due to dissolved sulfur gasses resulting in dissolved acids, sulforous and sulfuric, commonly. Other industrial waste gasses can dissolve in rain water, and solid matter ("dust") often serves as a condensation locus in the formation of raindrops. Also, rain barrels are intended to catch runoff from rooves, rooves are made of asphalt, minerals, tile, lead, tin, zinc, iron and other stuff, even straw and dirt. Then there is "salt air", saltwater entrained by the wind and passing for rain in many coastal areas.

Rain water varies a great deal in its content, containing solid and dissolved matter, both organic and inorganic (it was in a barrel, too. What lived in the barrel). The rain, in falling, tends to scour the atmosphere, and even standing water can absorb or release dissolved gasses. These are non-trivial sources of conductivity, and rain water and distilled water are hardly synonyms. Even commercial deionized and distilled water is problematic in certain physico-chemical measurements. Elaborate apparatus is used to purify such "pure" water, often multiple distillation steps from treatment baths of strong oxidizers, using quartz apparatus, and carefully degassing the product. (CO_2 is a problem, you can't just let H_2O sit in contact with the air and expect to later find pure H_2O; dissolved CO_2 decreases pH and increases conductivity). Storage in plastic may be either excellent or disastrous, depending on the plastic and its history. (We have all tasted plasticky water at some time or other.) Storage in metal is typically problematic, too. Glass (some formulas) or fused silica (slang: quartz) is great, if it has been rigorously leached with acids and steamed for fairly long periods. (Hours, perhaps). Yeah, this stuff makes a difference and one of the routine ways that chemists check for water purity is -- no surprise -- conductivity measurement; I'm not being nit-picky.

But I DO NOTE that using rain water *closely approximates practical environment*, which you claim the author ignored.

So what the experimenter might have done is to measure and report the conductivity of the water used. This is easy enough to do if you have a platinum conductivity cell but there are also more expedient methods.

I also question the use of an unknown wetting agent; dish detergent typically contains a sodium salt of a sulfonic acid, and is quite conductive. (There are other kinds of detergents, some ionic, some not. See wikipedia.) Ethylene glycol, used as a wetting agent in photographic processing, is much less conductive. Since photography has disappeared from our world, Eastman Kodak Photo-Flo is no longer available in every small town. Alas.

So using detergent was an error, and we can't know whether the effects noted were due to "wetter" water or to dissolved sulfonates.

Note that I am using conductivity as a proxy for dielectric constant of the water. I am assuming that such a relationship exists.

Also, the experiment did not investigate weathering and soaking.
In practice, in certain climates, the line will be in effect soaked in water each day that there is dew or fog. There may then be freezing or heating. My part of Pennsylvania regularly has "freezing rain", "hoarfrost", "graupel" and other such nastiness, and it must take its toll of plastic line. It might leach out plasticizer, I guess, leading to cracking (perhaps invisible) of the line and increased water uptake during the next cycle. Perhaps a length of line could be simply suspended in the air for a few years and the experiment repeated. Maybe there is a standard (ASTM or ISO) procedure for accelerated weathering that would be applicable.

On the whole, though, G3TXQ is to be commended for a careful and highly illuminating study, and a proper and gratifying workup of his data.

73

Dave AB3NR

32977. Re: Study into horizontal collinear arrays

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 21:39:10 UTC
From: Ralph Javins
Topic: 32967 Message: 32977

Good morning, Mel;

If you are counting responses, I have an interest in a curtain array. Mike stahl once operated from Saipan on a bluff at a former VOA station using a curtain array that had a tuner, and he was on 20 Meters trying to contact a DXpedition in the Galapagos Islands. When he put out his call during the pile-up, the HC8 station was impressed. He immediately stopped the handling of the pile-up and simply asked; "Who was that?" Mike responded, and the HC8 station told him that he literally had the loudest signal on the band.

A few months later, that old VOA station, and the antenna, was torn down. Rats.

Yes, I am interested in the curtain array modeling you did for ZL4WW. Please increment the counter.

Enjoy, and 73;

Ralph, N7KGA

Latte Land, Washington

n7kga@...

32978. Re: [ham-antennas] Re: Study into horizontal collinear arrays

Yahoo group: ham-antennas (2014)
Date: 2014-06-23 22:03:06 UTC
From: Mel Farrer
Topic: 32967 Message: 32978

Thanks Ralph,

Of course Mike and I go way back, hi. I have what appears to be Gigbits of plots, word documents, Xcel files, EZNEC files, etc. I will not try to down load them on the group. Having said that, I am open to provide any information on a particular area of interest, if that suits you.

Mel, K6KBE

On Monday, June 23, 2014 2:39 PM, "Ralph Javins n7kga@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Good morning, Mel;

If you are counting responses, I have an interest in a curtain array. Mike stahl once operated from Saipan on a bluff at a former VOA station using a curtain array that had a tuner, and he was on 20 Meters trying to contact a DXpedition in the Galapagos Islands. When he put out his call during the pile-up, the HC8 station was impressed. He immediately stopped the handling of the pile-up and simply asked; "Who was that?" Mike responded, and the HC8 station told him that he literally had the loudest signal on the band.

A few months later, that old VOA station, and the antenna, was torn down. Rats.

Yes, I am interested in the curtain array modeling you did for ZL4WW. Please increment the counter.

Enjoy, and 73;

Ralph, N7KGA

Latte Land, Washington

n7kga@...

32979. Re: spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 01:23:35 UTC
From: Jeffrey Lord
Topic: 32956 Message: 32979

I have had dipoles and my current non resonate loop up for several years) loop for last 3months)
I have not found any issue with moisture on the open wire feeder , and have not used any water repellents on the feed lines
Being I the Southern Hemisphere and in a subtropical we get plenty of rain
Jeff
Vl4fnrs

Sent from my iPhone

32980. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 08:06:30 UTC
From: Original Woodchuck
Topic: 32956 Message: 32980

On Tue, Jun 24, 2014 at 01:57:48AM -0400, Ron Youvan wrote:
> On Mon, Jun 23, 2014 at 02:23:19PM -0400, Ron Youvan
> ka4inm@... [ham-antennas] wrote:
> >
> >
> >Geoff
> >
> >NOW that is NOT useful information !!!!!!
> >
> >Back to making ones own open wire line
> >
> >tnxs for sharing
> >
> >Too bad he didn't test it anything like it is most frequently used,
> >with a 4:1 balun on each end and up away from the planet.
>
> I feel I should speak in defense of the methods used.
>
> First and foremost, the balun has nothing to add. Follow his math.
> He correctly determined the Z0 of the line and correctly determined the
> velocity and attenuation factors. It is an error to think that because
> a VNA has a nominal impedance of 50 ohms, it is incapable of measuring
> anything except 50 ohms. What good would such an instrument be!?
>
> Balanced feedline is frequently used with BALANCING devices,
> and balanced loads, why operate the feedline in a not normal
> operating mode for tests, what is the driving idea for this?

I'm not sure I follow you. What is it about determining Z0 and alpha
(attenuation factor) that is inherently balanced or unbalanced?

I suspect that big-bucks VNAs may well have isolated input/outputs anyway.

> In practical use, the first thing ladder line does is head for ground,
> usually, then proceed along near the ground -- less than one wavelength
> at HF from ground. Handbooks say keep it above "touching height", i.e.
> at about 3m or 10ft. That's in the vicinity of 1/4 wavelength or less
> for frequencies less than 30MHz. The ground is in the near field of
> the transmission line for probably nearly all amateur applications,
> from feed point to entrance to the shack.
>
> I have the strong suspicion that 2ft is fully adequate to reduce ground
> losses to negligibility. Two feet is a distance cited in handbooks for
> keeping balanced line away from "earthy" objects. If you feel this is
> "too close", I counter by saying: this distance is within standard
> practical amateur experience.

>
> I disagree, I (in over 50 years) have never seen amateur or
> commercial use of open wire feedlines under about 9 feet above
> the ground for any distance. Two feet is not "within standard
> practical amateur experience" in my practical amateur or
> commercial experience. I have never allowed my balanced
> feedline at four feet, except at the building's entrance.
> I use 10 foot sections of 1/2 inch trade size EMT to support it.

This is good practice, clearly...

> If I do not keep my feedlines at NINE feet above the Earth my
> XYL mows it to bits, anyone that runs some distance two feet
> above the ground's surface creates a hazardous situation for
> foot traffic, desired or not.
> (and risks it's damage from animal and foot traffic)

...for those reasons, and perhaps others.

I don't propose running any feedline at 2ft anywhere, but I question if feedline, be it coax or twinline, will have dramatic differences in properties at 2 ft vs 10 ft. Do you have data?

A test is meaningful if it can be reproduced and is based on some sort of engineering or scientific model of what is being tested. I think 2ft *sounds* adequate to measure *changes* of Z0 and alpha in the transmission lines being tested.

If one brand of window line showed significantly less change in attenuation than some other brand, would you reject the comparative usefulness of the data if both tests were run at the same height above ground, whether that height was 2ft or 200 ft? Do you maintain that the same feedline would show practically significant changes in attenuation at 2 feet and 10 feet?

We have to agree to hold different opinions until we win the lottery and buy a VNA.

73,

Dave AB3NR

32981. Re: spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 09:07:47 UTC
From: jc_2aussie
Topic: 32956 Message: 32981

Dave,
Sorry about that (from get smart /Don Adams)
I do however make my own open wire feeder,
I use figure 8 speaker wire , seperate the two wires , then using Rawl plugs and small electricians zip ties create the ladder line , by threading the tie through the Rawl plug, then securing the the wires at each end of the plug.
Cheers,
Jeff
Vk4fnrs

Sent from Samsung tablet

32982. AW: [ham-antennas] Re: Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 12:38:18 UTC
From: siegfried jackstien
Topic: 32933 Message: 32982

I have a few dozen of these fibre glass tent poles ... going up to 10 or 12m is easy ... but far beyond that is difficult ... it is just getting a bit woobling

When I wanna go higher I have some sections glued together (2m elements instead of 1m elements ...

But you are absolutely right ... going higher as 10 maybe 12m is difficult with these poles

There are 2 ways of building a pole with these tent sticks

Either put up a smaller one and add elements from below (second person needed ... maybe a few other holding guy lines!!)

Or put them together on the ground (with guy wires already attached!) and then put it up vertical ... (a gin pole helps a lot!)

What is easy to do is ... use a tree as a helper for putting up a bigger pole ... add a rope and a pulley at the top of a short mast ... add elements from below and push it up close to tree ... tree limbs secure the pole from the sides somewhat ... and when the pole top is high enough in the tree you can use the rope to pull your dipole/fedline up there

(but a sudgun with ropes pulled over the tree could do the same thing ... right?!?)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 23. Juni 2014 06:52
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Using a 43 foot vertical as a mast or vice
> versa
>
>
>
> Hi Joel,
>
> I purchased the fiberglass poles a couple of years ago with just such a
> project in mind. After laying them out on the ground, measuring,
> weighing, and just "thinkin", I abandoned the idea as impractical for just
> one person. Had them out earlier this year to reexamine the idea and came
> to the same conclusion. First, it would be very hard for just one person

> to do alone, and second, it would require at least two levels of guy
> ropes, maybe three, to be safe. I believe the aluminum would present the
> same types of problems.
>
> However, could it be done by one person? Yes, I think so, but it wouldn't
> be entirely safe and would require a great deal of care. Once up, I
> wouldn't think one person could take it down safely without breaking it.
>
> If you look around, there are some commercial alternatives that could be
> erected by one person because they are "nesters" and can be secured one
> section at a time while being raised. However, they can't be used as
> supports for other antennas.
>
> I think the practical limit for working with the masts, either fiberglass
> or aluminum, would be about the size of a quarter wave on 40m... 30 to
> 33ft.
>
> Other alternatives have appeared in ham literature over the years, like
> aluminum ladder masts and wooden "A" frames, but you'd need help there,
> also.
>
> 73, Jimmie, K9JFK
>
>

32983. AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 12:59:46 UTC
From: siegfried jackstien
Topic: 32956 Message: 32983

For a vna that can do such tests at shortwave frequencies you do not need to win a lottery ...(it can be homebrewed!)

What about using the 450 ohms windowline ... and just make the holes bigger

So you have lower area where any water can change the loss or velocity factor of the line

Or in fact only let small spreaders and cut the rest away

Then the line would not change its loss or velocity factor too much ... reardless of wet, dry, frozen, whatever

....

But surely a real open ladderline is best :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 24. Juni 2014 08:07
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] spray on coating for ladder line
>
>
>
> On Tue, Jun 24, 2014 at 01:57:48AM -0400, Ron Youvan wrote:
> > On Mon, Jun 23, 2014 at 02:23:19PM -0400, Ron Youvan
> > ka4inm@... [ham-antennas] wrote:
> > >
> > >
> > >Geoff
> > >
> > >NOW that is NOT useful information !!!!!!
> > >
> > >Back to making ones own open wire line
> > >
> > >tnxs for sharing
> > >
> > >Too bad he didn't test it anything like it is most frequently used,
> > >with a 4:1 balun on each end and up away from the planet.
> >
> > I feel I should speak in defense of the methods used.
> >

> > First and foremost, the balun has nothing to add. Follow his math.
> > He correctly determined the Z0 of the line and correctly determined the
> > velocity and attenuation factors. It is an error to think that because
> > a VNA has a nominal impedance of 50 ohms, it is incapable of measuring
> > anything except 50 ohms. What good would such an instrument be!?
> >
> > Balanced feedline is frequently used with BALANCING devices,
> > and balanced loads, why operate the feedline in a not normal
> > operating mode for tests, what is the driving idea for this?
>
> I'm not sure I follow you. What is it about determining Z0 and alpha
> (attenuation factor) that is inherently balanced or unbalanced?
>
> I suspect that big-bucks VNAs may well have isolated input/outputs anyway.
>
> > In practical use, the first thing ladder line does is head for ground,
> > usually, then proceed along near the ground -- less than one wavelength
> > at HF from ground. Handbooks say keep it above "touching height", i.e.
> > at about 3m or 10ft. That's in the vicinity of 1/4 wavelength or less
> > for frequencies less than 30MHz. The ground is in the near field of
> > the transmission line for probably nearly all amateur applications,
> > from feed point to entrance to the shack.
> >
> > I have the strong suspicion that 2ft is fully adequate to reduce ground
> > losses to negligibility. Two feet is a distance cited in handbooks for
> > keeping balanced line away from "earthy" objects. If you feel this is
> > "too close", I counter by saying: this distance is within standard
> > practical amateur experience.
> >
> > I disagree, I (in over 50 years) have never seen amateur or
> > commercial use of open wire feedlines under about 9 feet above
> > the ground for any distance. Two feet is not "within standard
> > practical amateur experience" in my practical amateur or
> > commercial experience. I have never allowed my balanced
> > feedline at four feet, except at the building's entrance.
> > I use 10 foot sections of 1/2 inch trade size EMT to support it.
>
> This is good practice, clearly...
>
> > If I do not keep my feedlines at NINE feet above the Earth my
> > XYL mows it to bits, anyone that runs some distance two feet
> > above the ground's surface creates a hazardous situation for
> > foot traffic, desired or not.
> > (and risks it's damage from animal and foot traffic)
>
> ...for those reasons, and perhaps others.
>
> I don't propose running any feedline at 2ft anywhere, but I question if
> feedline, be it coax or twinline, will have dramatic differences in
> properties at 2 ft vs 10 ft. Do you have data?

>
> A test is meaningful if it can be reproduced and is based on some sort
> of engineering or scientific model of what is being tested. I think
> 2ft *sounds* adequate to measure *changes* of Z0 and alpha in the
> transmission lines being tested.
>
> If one brand of window line showed significantly less change in
> attenuation than some other brand, would you reject the comparative
> usefulness of the data if both tests were run at the same height above
> ground, whether that height was 2ft or 200 ft? Do you maintain that the
> same feedline would show practically significant changes in attenuation
> at 2 feet and 10 feet?
>
> We have to agree to hold different opinions until we win the lottery
> and buy a VNA.
>
> 73,
>
> Dave AB3NR
>
>
>

32984. Re: spray on coating for ladder line, and Feedline Height

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 16:23:27 UTC
From: Ralph Javins
Topic: 32984 Message: 32984

Good morning;

One very practical reason for keeping any feedline at about nine (9) feet high is the need to have clearance over any people who may walk under the feedline. This point is also mentioned in the ARRL Antenna Book and the ARRL Handbook.

While the minimum suggested height of two (2) feet above ground for a parallel wire feedline is sufficient to reduce any coupling effects to a manageable level, the practical considerations for people, dogs, and other things, should be factors also.

Enjoy;

Ralph, N7KGA

Latte Land, Washington

32985. Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 17:48:07 UTC
From: peglegaf5o@...
Topic: 32985 Message: 32985

What is the proper way to connect insulated wire at the end of a dipole or windom antenna to the insulator?

1. I have heard of the use of small aluminum cable sleeve used to connect the wire together after it is feed thru the insulator or using copper wire to wrap around the wire. The wire is insulated, will the the aluminum sleeves or the copper wire change any of the characteristic of the antenna SWR?

2. I have seen it looped thru insulator and wrapped back around the wire towards the center of antenna.

3. I have seen it feed thru insulator and zip tied with the zip tie around the two wires and then the end feed back thru zip tie and then zip tie pulled tight and then taped over with electrical tape to keep the zip tie from deteriorating from the sun.

4. I have seen it feed thru the insulator and then the end of the wire striped and a small section just before the insulator stripped and then the two soldered together.

Where does the radiating point stop at the insulator?

73's
Chris
AF5O

32986. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 18:23:55 UTC
From: Original Woodchuck
Topic: 32956 Message: 32986

On Tue, Jun 24, 2014 at 12:59:46PM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> For a vna that can do such tests at shortwave frequencies you do not need to
> win a lottery ...(it can be homebrewed!)

Plans?

(In some of our cases, a lottery win is required for pretty much
everything over $50!)

> What about using the 450 ohms windowline ... and just make the holes bigger

I suppose the chief drawbacks would be:

* Z0 changes (lowered). But it's misrated already, should be called
"400 Ohm" line.

* Weakening the spacing would allow the two conductors to have inconstant
separation, an issue in the wind or at bends or twists in the line.

> So you have lower area where any water can change the loss or velocity
> factor of the line

No doubt!

> Or in fact only let small spreaders and cut the rest away
>
> Then the line would not change its loss or velocity factor too much ...
> reardless of wet, dry, frozen, whatever

I'd have liked to see a test of window line encased in an inch of
ice -- assuming it could be somehow supported!

> ....
>
> But surely a real open ladderline is best :-)

I think I agree. The 100-150mm spacing is a bit clumsier to handle
and might be heavier, depending on what is used for spacers and how
close together they are used.

Dave AB3NR
>
>
> Dg9bfc
>
> Sigi

32987. AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 19:30:11 UTC
From: siegfried jackstien
Topic: 32956 Message: 32987

```
>
> On Tue, Jun 24, 2014 at 12:59:46PM -0000, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] wrote:
> > For a vna that can do such tests at shortwave frequencies you do not
> need to
> > win a lottery ...(it can be homebrewed!)
>
> Plans?
```

http://www.ea4frb.eu/antenna-analyzers/sark100/Archive

SARK 100 ... homebrewed vnwa up to 60 megs

But ... you can buy these sark100 now ready built for around 60 euro in china (sark100) ... or with a different layout and powersupply (li-ion battery with chager) and with Bluetooth module added for around 100-120 euros (named "mini60")

```
>
> (In some of our cases, a lottery win is required for pretty much
> everything over $50!)
```

If you can not get 100 bucks for the hobby (you only buy or build such nwa ONCE!) ... then you have the wrong hobby ... you should play chess instead :-)

```
>
> > What about using the 450 ohms windowline ... and just make the holes
> bigger
>
> I suppose the chief drawbacks would be:
>
> * Z0 changes (lowered). But it's misrated already, should be called
> "400 Ohm" line.
>
```

Cutting away a part of the insulation would make the impedance HIGHER not lower

```
> * Weakening the spacing would allow the two conductors to have inconstant
> separation, an issue in the wind or at bends or twists in the line.
>
> > So you have lower area where any water can change the loss or velocity
> > factor of the line
>
> No doubt!
>
```

> > Or in fact only let small spreaders and cut the rest away
> >
> > Then the line would not change its loss or velocity factor too much ...
> > reardless of wet, dry, frozen, whatever
>
> I'd have liked to see a test of window line encased in an inch of
> ice -- assuming it could be somehow supported!
>

Just use enough trx power and you never have any ice on your ladderline :-)

Dg9bfc

Sigi

Ps here in northern dl we seldom have so much ice on our antennas

32988. AW: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 19:33:36 UTC
From: siegfried jackstien
Topic: 32985 Message: 32988

All solutions do work!

Radiation stops IN the insulator (if that is the longest part from centre)

Wrapping around without soldering is used if you wanna have length to play
with for tuning

Soldering CAN be done but it is not needed

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 24. Juni 2014 17:48
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Connecting wire to insulator at the end of dipole
>
>
>
>
>
>
> What is the proper way to connect insulated wire at the end of a dipole or
> windom antenna to the insulator?
>
>
>
>
> 1. I have heard of the use of small aluminum cable sleeve used to connect
> the wire together after it is feed thru the insulator or using copper wire
> to wrap around the wire. The wire is insulated, will the the aluminum
> sleeves or the copper wire change any of the characteristic of the antenna
> SWR?
>
>
>
>
> 2. I have seen it looped thru insulator and wrapped back around the wire
> towards the center of antenna.
>
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> pulled tight and then taped over with electrical tape to keep the zip tie
> from deteriorating from the sun.
>
>
>
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> 4. I have seen it feed thru the insulator and then the end of the wire
> striped and a small section just before the insulator stripped and then
> the two soldered together.
>
>
>
>
> Where does the radiating point stop at the insulator?
>
>
>
>
> 73's
>
> Chris
>
> AF5O
>
>
>
>
>

32989. Re: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 20:00:20 UTC
From: Alex Netherton
Topic: 32985 Message: 32989

If you were worrying about wrapping the wire around itself at VHF or UHF, sure, it would have an effect. At HF and up through 6 meters, it is negligible, and ground capacitance and resistance and inductance and a whole slew of other things have far more effect. If you use an ATU, as many are today to fine tune an antenna, then it makes no difference at all. Most modern rigs (not all) have an internal ATU, and it is a good idea to use it, as most modern rigs do not like SWR much more than 1.2:1. With a modern rig, like many of the portable ones, such as Yaesu FT-857 and FT-897 and Icom IC-7000 who do not have an internal ATU, it is a good idea to get one. Bad juju to run without one.

I know the purists will say "only resonant antennas should be used!" And "you should never need or use an ATU". (Hey you kids, get off my lawn!). Sure. A resonant antenna on 20 meters, resonated for the center of the band, say around 14.225 or so, will approach 3:1 SWR at the band edges. With an old Swan 500, no problem. (Why my ol' 40 Ford would run circles around these modern cars! Maybe, but can you replace the engine when you blow it up?). With an Icom 7000 you will be buying finals. With a Yaesu 950 or 2000, it may not even be able to flatten out the band edges, especially on 15 and especially 10! Buying finals again.

What I am saying in my usual long winded fashion (sorry dear) is the a HF antenna through an ATU, it makes no difference at all.

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, Jun 24, 2014 at 3:33 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> All solutions do work!
>
> Radiation stops IN the insulator (if that is the longest part from centre)
>
> Wrapping around without soldering is used if you wanna have length to play
> with for tuning
>
> Soldering CAN be done but it is not needed
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>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Dienstag, 24. Juni 2014 17:48
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Connecting wire to insulator at the end of dipole
>
> >
> >
> >
> >
> >
> >
> > What is the proper way to connect insulated wire at the end of a dipole
> or
> > windom antenna to the insulator?
> >
> >
> >
> >
> > 1. I have heard of the use of small aluminum cable sleeve used to connect
> > the wire together after it is feed thru the insulator or using copper
> wire
> > to wrap around the wire. The wire is insulated, will the the aluminum
> > sleeves or the copper wire change any of the characteristic of the
> antenna
> > SWR?
> >
> >
> >
> >
> > 2. I have seen it looped thru insulator and wrapped back around the wire
> > towards the center of antenna.
> >
> >
> >
> >
> > 3. I have seen it feed thru insulator and zip tied with the zip tie
> around
> > the two wires and then the end feed back thru zip tie and then zip tie
> > pulled tight and then taped over with electrical tape to keep the zip tie
> > from deteriorating from the sun.
> >
> >
> >
> >
> > 4. I have seen it feed thru the insulator and then the end of the wire
> > striped and a small section just before the insulator stripped and then

> > the two soldered together.
> >
> >
> >
> >
> > Where does the radiating point stop at the insulator?
> >
> >
> >
> >
> > 73's
> >
> > Chris
> >
> > AF5O
> >
> >
> >
> >
> >
>
>
>

32990. Reassembling a beam...

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 21:19:28 UTC
From: Kenneth G. Gordon
Topic: 32990 Message: 32990

I must partially dismantle my tri-bander so it can be moved to another location for Field Day.

It has been assembled for at least the past 30 years, and works well.

When I "re-mantle" the various pieces, must I use some sort of aluminim antioxidant like Ideal's No-AL-Ox when I put it back together?

Would it make the electrical conductivity between the various bits more effective to use it?

Ken W7EKB

32991. RE: [ham-antennas] Reassembling a beam...

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 21:33:19 UTC
From: Dino Darling
Topic: 32990 Message: 32991

Mark all the elements BEFORE disassembly. Just use a Sharpie. You do NOT need to use Noalox for Field Day; it will make a mess. But, before you put it back up permanently, use the Noalox!

Dino - KX6D

-------- Original Message --------
Subject: [ham-antennas] Reassembling a beam...
From: "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
Date: Tue, June 24, 2014 2:19 pm
To: ham-antennas@yahoogroups.com

?

I must partially dismantle my tri-bander so it can be moved to another location for Field Day.

It has been assembled for at least the past 30 years, and works well.

When I "re-mantle" the various pieces, must I use some sort of aluminim antioxidant like Ideal's No-AL-Ox when I put it back together?

Would it make the electrical conductivity between the various bits more effective to use it?

Ken W7EKB

32992. Re: [ham-antennas] Reassembling a beam...

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 21:40:03 UTC
From: Don Sanders
Topic: 32990 Message: 32992

The answer is "most probably". Though it has been sealed up for 30 years, when opened it will oxidize some and you will probably see some surface deteriation. Clean the mating surfaces with a Scotchbrite green pad to shine up the aluminum and immediaytely coat with a thin coating of the NO-OX cream. It improves the conductivity, helps seal out moisture and makes separating the sections much easier. I have used it on all antenna aluminum since 1980.
You may not need it for Field Day unless you have trouble reassembling the sections. Be sure to mark each section as disassembled to help reassembly. Good to mark with a sharpie marker where each section was before disassembly. Helps to realign all the holes and clamps.

Don HC/W4BWS

On Tue, Jun 24, 2014 at 4:19 PM, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I must partially dismantle my tri-bander so it can be moved to another
> location for Field Day.
>
> It has been assembled for at least the past 30 years, and works well.
>
> When I "re-mantle" the various pieces, must I use some sort of aluminim
> antioxidant like Ideal's No-AL-Ox when I put it back together?
>
> Would it make the electrical conductivity between the various bits more
> effective to use it?
>
> Ken W7EKB
>
>

--
Dr. Don W4BWS

32993. Re: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 21:46:41 UTC
From: farrerfolks@...
Topic: 32985 Message: 32993

My only thought is that wrapping the wire several times through the egg insulator produces a very low static profile for corona discharge at high power. Also lessens the stress on the final wrap of the wire onto itself. The old Western Union wire termination. I always use 7 tight turns then solder.

Take a look: https://www.cedengineering.com/upload/Wiring%20Techniques.pdf
https://www.cedengineering.com/upload/Wiring%20Techniques.pdf

Mel, K6KBE

32994. Re: [ham-antennas] Reassembling a beam...

Yahoo group: ham-antennas (2014)
Date: 2014-06-24 23:24:39 UTC
From: Kenneth G. Gordon
Topic: 32990 Message: 32994

On 24 Jun 2014 at 14:33, 'Dino Darling' dino@... [ham-antennasRE:
[ham-antennas] Reassembling a beam... wrote:

> Mark all the elements BEFORE disassembly. Just use a Sharpie. You do NOT need to
> use Noalox for Field Day; it will make a mess. But, before you put it back up
> permanently, use the Noalox!

Thanks, Gents.

vy 73,

Ken W7EKB

32995. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 00:01:34 UTC
From: Original Woodchuck
Topic: 32956 Message: 32995

On Tue, Jun 24, 2014 at 07:30:11PM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> >
> > On Tue, Jun 24, 2014 at 12:59:46PM -0000, 'siegfried jackstien'
> > siegfried.jackstien@... [ham-antennas] wrote:
> > > For a vna that can do such tests at shortwave frequencies you do not
> > need to
> > > win a lottery ...(it can be homebrewed!)
> >
> > Plans?
>
> http://www.ea4frb.eu/antenna-analyzers/sark100/Archive
>
> SARK 100 ... homebrewed vnwa up to 60 megs
>
> But ... you can buy these sark100 now ready built for around 60 euro in
> china (sark100) ... or with a different layout and powersupply (li-ion
> battery with chager) and with Bluetooth module added for around 100-120
> euros (named "mini60")

Ah, so. Thanks. It seems to resemble an MFJ-259 in capabilities.
I was talking about something more along these lines:

http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-/250908492570?pt=LH_DefaultDomain_0&hash=item3a6b4fc31a

USD3500, used. About twice what my car cost. Almost four months' income.
So as they say, "That ain't happenin', Bro'." Clubs might buy one,
but clubs would rather fit out air-conditioned vans so they can play
"junior policemen" at things like dog shows and garden walks. But to
each, his own.

> > (In some of our cases, a lottery win is required for pretty much
> > everything over $50!)
>
> If you can not get 100 bucks for the hobby (you only buy or build such nwa
> ONCE!) ... then you have the wrong hobby ... you should play chess instead
> :-)

It's not the next hundred that hurts, it's the many, many hundreds
that have gone before it. Yeah, I know, "sunk cost fallacy/bias".
But thousands wasted leads me to believe that the next hundred will be
a waste, too. Even so, I've already spent my allowance for this
month and next. (Bought a book, yet another book, overpriced, in the hopes
of finding wisdom. I should know better by now. The main lesson in
modern books is that there's a pile of money in publishing them.)

> > > What about using the 450 ohms windowline ... and just make the holes
> > bigger
> >
> > I suppose the chief drawbacks would be:
> >
> > * Z0 changes (lowered). But it's misrated already, should be called
> > "400 Ohm" line.
> >
>
> Cutting away a part of the insulation would make the impedance HIGHER not
> lower

Thanks, you're right! Z0 goes as 1/sqrt(k) k goes down as plastic is
replaced by air as the dielectric. Vf would go up, too.

Dave AB3NR

32996. Re: [ham-antennas] Reassembling a beam...

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 06:38:33 UTC
From: Ron Youvan
Topic: 32990 Message: 32996

On 6/24/2014 5:19 PM, 'Kenneth G. (Ken W7EKB) Gordon'

> I must partially dismantle my tri-bander so it can be moved to another
> location for Field Day.

> It has been assembled for at least the past 30 years, and works well.

> When I "re-mantle" the various pieces, must I use some sort of aluminum
> antioxidant like Ideal's No-AL-Ox when I put it back together?

> Would it make the electrical conductivity between the various bits more
> effective to use it?

NO, it will make it "dis-assessable-able, which it may not be now.
It will 100% prevent the two mating surfaces from oxidizing which is the
conversion from aluminum to aluminum oxide, (the oxygen comes from water
aided by the miscellaneous chemicals and gasses dissolved in rain water)
aluminum oxide is also known as alumina. Alumina is what china and
pottery are made from. (AKA pure clay)
I recommend No-Ox wholeheartedly.
--
Ron KA4INM

32997. Re: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 06:51:50 UTC
From: Ron Youvan
Topic: 32985 Message: 32997

> My only thought is that wrapping the wire several times through the egg
> insulator produces a very low static profile for corona discharge at
> high power. Also lessens the stress on the final wrap of the wire onto
> itself. The old Western Union wire termination. I always use 7 tight
> turns then solder.

I always cut the two wires of dipoles 4 feet to long and I loop the
wire through the end insulators back, then I use small "split bolts" to
bind the near end to the wire about three feet back from the end, this
allows for easy and precise adjustments at any time. (move from one
band end top the other, then back) Make sure both half's are the same
length!
I also do a similar thing at the center insulator/balun using about
3-4 inches of wire at each connection, I always start by acquiring four
small split bolts when making a dipole. The "split bolts" will out last
us all.

> Take a look: https://www.cedengineering.com/upload/Wiring%20Techniques.pdf
--
Ron KA4INM

32998. Re: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 07:02:59 UTC
From: Ron Youvan
Topic: 32956 Message: 32998

On 6/24/2014 8:01 PM, Original Woodchuck marmota@...:
> Ah, so. Thanks. It seems to resemble an MFJ-259 in capabilities.
> I was talking about something more along these lines:

> http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-/250908492570?pt=LH_Defaul
tDomain_0&hash=item3a6b4fc31a

> USD3500, used. About twice what my car cost. Almost four months' income.
> So as they say, "That ain't happenin', Bro'."

It says "make an offer" so pull that $50 USD out of your pants and
pony it up!
--
Ron KA4INM

32999. AW: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 08:27:14 UTC
From: siegfried jackstien
Topic: 32956 Message: 32999

Ok then ... if the sark is too simple for you (or you just need higher frequency range) ... then what about the kc901h???

Scalar nwa with colour display (you have a direct read-out / curve on a screen)

Around 900 bucks ... brand-new

Goes up to 3 gig

And it is a 2 port analyzer (so you also can test duplex filters etc.)

Not as cheap as the sark100 ... but does also not cost an arm and a leg (like a nwa form agilent, hp, whatever)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 25. Juni 2014 00:02
> An: 'siegfried jackstien' siegfried.jackstien@... [ham-antennas]
> Betreff: Re: [ham-antennas] spray on coating for ladder line
>
>
>
> On Tue, Jun 24, 2014 at 07:30:11PM -0000, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] wrote:
> > >
> > > On Tue, Jun 24, 2014 at 12:59:46PM -0000, 'siegfried jackstien'
> > > siegfried.jackstien@... [ham-antennas] wrote:
> > > > For a vna that can do such tests at shortwave frequencies you do not
> > > need to
> > > > win a lottery ...(it can be homebrewed!)
> > >
> > > Plans?
> >
> > http://www.ea4frb.eu/antenna-analyzers/sark100/Archive
> >
> > SARK 100 ... homebrewed vnwa up to 60 megs
> >
> > But ... you can buy these sark100 now ready built for around 60 euro in
> > china (sark100) ... or with a different layout and powersupply (li-ion
> > battery with chager) and with Bluetooth module added for around 100-120
> > euros (named "mini60")
>

> Ah, so. Thanks. It seems to resemble an MFJ-259 in capabilities.
> I was talking about something more along these lines:
>
> http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-
> /250908492570?pt=LH_DefaultDomain_0&hash=item3a6b4fc31a
>
> USD3500, used. About twice what my car cost. Almost four months' income.
> So as they say, "That ain't happenin', Bro'." Clubs might buy one,
> but clubs would rather fit out air-conditioned vans so they can play
> "junior policemen" at things like dog shows and garden walks. But to
> each, his own.
>
> > > (In some of our cases, a lottery win is required for pretty much
> > > everything over $50!)
> >
> > If you can not get 100 bucks for the hobby (you only buy or build such
> nwa
> > ONCE!) ... then you have the wrong hobby ... you should play chess
> instead
> > :-)
>
> It's not the next hundred that hurts, it's the many, many hundreds
> that have gone before it. Yeah, I know, "sunk cost fallacy/bias".
> But thousands wasted leads me to believe that the next hundred will be
> a waste, too. Even so, I've already spent my allowance for this
> month and next. (Bought a book, yet another book, overpriced, in the hopes
> of finding wisdom. I should know better by now. The main lesson in
> modern books is that there's a pile of money in publishing them.)
>
> > > > What about using the 450 ohms windowline ... and just make the holes
> > > bigger
> > >
> > > I suppose the chief drawbacks would be:
> > >
> > > * Z0 changes (lowered). But it's misrated already, should be called
> > > "400 Ohm" line.
> > >
> >
> > Cutting away a part of the insulation would make the impedance HIGHER
> not
> > lower
>
> Thanks, you're right! Z0 goes as 1/sqrt(k) k goes down as plastic is
> replaced by air as the dielectric. Vf would go up, too.
>
> Dave AB3NR
>
>
>

33000. Re: [ham-antennas] spray on coating for ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 09:39:00 UTC
From: Original Woodchuck
Topic: 32956 Message: 33000

On Wed, Jun 25, 2014 at 08:27:14AM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> Ok then ... if the sark is too simple for you (or you just need higher
> frequency range) ... then what about the kc901h???
>
> Scalar nwa with colour display (you have a direct read-out / curve on a
> screen)
>
> Around 900 bucks ... brand-new
>
> Goes up to 3 gig
>
> And it is a 2 port analyzer (so you also can test duplex filters etc.)
>
> Not as cheap as the sark100 ... but does also not cost an arm and a leg
> (like a nwa form agilent, hp, whatever)
>
> Dg9bfc
>
> Sigi

Now that one *is* a real temptation. Maybe the government will give out
Christmas bonuses to social security loafers such as me! (I am hopeful,
but not realistic.)

I'm waiting, though, probably, for something that is a card that plugs
into a PeeCee, runs under *n*x, has Agilent/HP capabilities, costs $39.00,
includes a dinner-date with a young lady of flexible virtue, etc etc.
(in declining order of feature priority. Something that would plug
into a PeeCee or better a laptop, would be nice. We own CPUs capable of
stunning performce (once freed of "browser duty"), 19" hi-res display,
etc etc, it would be nice it they were worked harder.)

Tnx,

Dave AB3NR

33001. Re: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 09:44:12 UTC
From: Original Woodchuck
Topic: 32956 Message: 33001

On Wed, Jun 25, 2014 at 03:02:59AM -0400, Ron Youvan ka4inm@... [ham-antennas] wrote:
> On 6/24/2014 8:01 PM, Original Woodchuck marmota@...:
> > Ah, so. Thanks. It seems to resemble an MFJ-259 in capabilities.
> > I was talking about something more along these lines:
>
> > http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-/250908492570?pt=LH_Defa
ultDomain_0&hash=item3a6b4fc31a
>
> > USD3500, used. About twice what my car cost. Almost four months' income.
> > So as they say, "That ain't happenin', Bro'."
>
> It says "make an offer" so pull that $50 USD out of your pants and
> pony it up!
> --
> Ron KA4INM

Somehow I think the seller is not going to like me. I might even go as
high as $150 and toss in a used Matchbox as swag. Still I think
there would be no love...

Dave AB3NR

33002. Fwd: Show Notes - Small Transmitting Loops for Portable Use

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 12:06:09 UTC
From: mikerodgerske5gbc@...
Topic: 33002 Message: 33002

This is a 75 minute podcast about mag loops on "chat with the designers" with Alex from Alex Loops as a special guest and a good listen especially on a road trip. 34 mb download.

73
Mike R

Jimmy & Jimmy we will miss you.

Thanks for the music. Rest in peace. Little Jimmy Dickens and
The singing Cajun Jimmy C. Newman.

Begin forwarded message:

> From: mikerodgerske5gbc@...
> Date: June 25, 2014, 3:32:07 AM CDT
> To: mike Rodgers <mikerodgerske5gbc@...>
> Subject: Show Notes - Small Transmitting Loops for Portable Use
>
> Chat with the designers
> Small Transmitting Loops for Portable Use
> 6/16/14, 7:00 PM
> http://www.cwtd.org
> Small Transmitting Loops for Portable Use
> Download Link
> (33.7MB)
>
>
>
> Jimmy & Jimmy we will miss you.
>
> Thanks for the music. Rest in peace. Little Jimmy Dickens and
> The singing Cajun Jimmy C. Newman.

33003. Re: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 12:51:42 UTC
From: Dave Daniel
Topic: 32956 Message: 33003

I've made offers to that seller before (nanolynk). All were ignored.

DaveD

On 6/25/2014 3:44 AM, Original Woodchuck marmota@...
[ham-antennas] wrote:
>
> On Wed, Jun 25, 2014 at 03:02:59AM -0400, Ron Youvan ka4inm@...
> [ham-antennas] wrote:
> > On 6/24/2014 8:01 PM, Original Woodchuck marmota@...:
> > > Ah, so. Thanks. It seems to resemble an MFJ-259 in capabilities.
> > > I was talking about something more along these lines:
> >
> > >
> http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-/250908492570?pt=LH_Defaul
tDomain_0&hash=item3a6b4fc31a
> >
> > > USD3500, used. About twice what my car cost. Almost four months'
> income.
> > > So as they say, "That ain't happenin', Bro'."
> >
> > It says "make an offer" so pull that $50 USD out of your pants and
> > pony it up!
> > --
> > Ron KA4INM
>
> Somehow I think the seller is not going to like me. I might even go as
> high as $150 and toss in a used Matchbox as swag. Still I think
> there would be no love...
>
> Dave AB3NR
>
>

33004. RE: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 14:53:15 UTC
From: Terry Antle
Topic: 32956 Message: 33004

Also, don't forget that an 8510C VNA won't do you much good without some sort of sweep generator....(not built into this box like some of the newer VNA's).

Terry N9TFG

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Wed, 25 Jun 2014 06:51:42 -0600
Subject: Re: [ham-antennas] Wishful VNA thinking.

I've made offers to that seller before (nanolynk). All were ignored.

DaveD

On 6/25/2014 3:44 AM, Original
Woodchuck marmota@... [ham-antennas] wrote:

On Wed, Jun 25, 2014 at 03:02:59AM -0400, Ron Youvan
ka4inm@... [ham-antennas] wrote:

> On 6/24/2014 8:01 PM, Original Woodchuck
marmota@...:

> > Ah, so. Thanks. It seems to resemble an MFJ-259
in capabilities.

> > I was talking about something more along these
lines:

>

> >
http://www.ebay.com/itm/Agilent-8510C-Vector-Network-Analyzer-/250908492570?pt=LH_DefaultDomain_0&hash=item3a6b4fc31a

>

> > USD3500, used. About twice what my car cost.
Almost four months' income.

> > So as they say, "That ain't happenin', Bro'."

>

> It says "make an offer" so pull that $50 USD out of
your pants and

> pony it up!

> --

> Ron KA4INM

Somehow I think the seller is not going to like me. I
might even go as

high as $150 and toss in a used Matchbox as swag. Still I
think

there would be no love...

Dave AB3NR

33005. Re: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 17:05:00 UTC
From: Ron Youvan
Topic: 32956 Message: 33005

On 06/25/2014 10:53 AM, Terry N9TFG Antle terryantle8@...:

> Also, don't forget that an 8510C VNA won't do you much good without some
> sort of sweep generator....(not built into this box like some of the
> newer VNA's).

I am sure it is impossible to create a VNA without a built in
tracking signal generator. The 8510 has it's.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33006. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 17:37:54 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 33006

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Super Antenna Launcher Extra Class.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : 22 cal blank fired antenna line

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/Super%20Antenna%20Launcher%20Extra%20Class.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

33007. Re: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 18:30:24 UTC
From: Tom Horton
Topic: 32985 Message: 33007

I don't always do it, but I would think that solder would always be preferrable.
Tom iid

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

On Wednesday, June 25, 2014 1:51 AM, "Ron Youvan ka4inm@gmail.com [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

> My only thought is that wrapping the wire several times through the egg
> insulator produces a very low static profile for corona discharge at
> high power. Also lessens the stress on the final wrap of the wire onto
> itself. The old Western Union wire termination. I always use 7 tight
> turns then solder.

I always cut the two wires of dipoles 4 feet to long and I loop the
wire through the end insulators back, then I use small "split bolts" to
bind the near end to the wire about three feet back from the end, this
allows for easy and precise adjustments at any time. (move from one
band end top the other, then back) Make sure both half's are the same
length!
I also do a similar thing at the center insulator/balun using about
3-4 inches of wire at each connection, I always start by acquiring four
small split bolts when making a dipole. The "split bolts" will out last
us all.

> Take a look: https://www.cedengineering.com/upload/Wiring%20Techniques.pdf
--
Ron KA4INM

33008. Re: [ham-antennas] Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 18:44:15 UTC
From: Don Sanders
Topic: 32985 Message: 33008

Soldering stranded wire will usually make an easier place for the wire to break due to flexing in the wind.
Solid wire should be better if you are going to solder. I have built wire antennas for 60 years and just wrapped the end over the wire after going thru the insulator without soldering and had no problems.

Don HC/W4BWS

On Wed, Jun 25, 2014 at 1:30 PM, Tom Horton k5iid@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I don't always do it, but I would think that solder would always be
> preferrable.
> Tom iid
>
> There is no joy in Mudville!
> http://www.dfwcontest.com
>
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>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>
>
> On Wednesday, June 25, 2014 1:51 AM, "Ron Youvan ka4inm@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> > My only thought is that wrapping the wire several times through the egg
> > insulator produces a very low static profile for corona discharge at
> > high power. Also lessens the stress on the final wrap of the wire onto
> > itself. The old Western Union wire termination. I always use 7 tight
> > turns then solder.
>
> I always cut the two wires of dipoles 4 feet to long and I loop the
> wire through the end insulators back, then I use small "split bolts" to
> bind the near end to the wire about three feet back from the end, this
> allows for easy and precise adjustments at any time. (move from one
> band end top the other, then back) Make sure both half's are the same
> length!
> I also do a similar thing at the center insulator/balun using about

> 3-4 inches of wire at each connection, I always start by acquiring four
> small split bolts when making a dipole. The "split bolts" will out last
> us all.
>
> > Take a look:
> https://www.cedengineering.com/upload/Wiring%20Techniques.pdf
> --
> Ron KA4INM
>
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--
Dr. Don W4BWS

33009. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 19:52:00 UTC
From: Brian Carling
Topic: 32933 Message: 33009

Good information here. I agree.

My experience with a fiberglass mast only 25 feet tall and about 3 inches in diameter lifting a small 6 m cubical quad by walking it up was that it shattered very easily.

Best regards - Bry Carling

> On Jun 21, 2014, at 5:31 PM, "'Bill Blomgren \(kk4qdz\)' billblomgren@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> That is "do able" ---but you need to consider the Aluminum - corrosion will destroy efficiency because Al oxydizes VERY quickly. And the oxide is a great insulator.
>
> The other problem: When you get above about 35 feet, the Aluminum poles get real heavy, and will "fold" while you try to get it up unless you do it by lifting one section at a time.
>
> When you get to 40 feet, that is one HEAVY pole.
>
> I have both the aluminum and fiberglass poles here. The fiberglas will fracture if it gets any bending moment going. (You can't do a tilt up on them...) So it is a straight lift only type thing.
>
> The Aluminum, at least at the 30-40 foot level WILL allow you to do the tilt up thing, but you will need a couple of people to help getting it upright...and do that with guy ropes and so on.
>
> I have a fan dipole hanging from the aluminum pole in an inverted V for 40-20-10. It works acceptably. However, when it comes to a rotor those poles will twist all by themselves... Go for the $100ish 35 push up pole from Rohn. They have a ground plate for it, and you can (in theory) put it up in the air at the right length...again with guy ropes.
>
> I'm going that way for a hex beam I'm putting together for 20-17-15-12-10-6.... With a small TV type rotor for the antenna itself.
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
> ---
> On Sat, 6/21/14, joel1847@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Subject: [ham-antennas] Using a 43 foot vertical as a mast or vice versa
> To: ham-antennas@yahoogroups.com
> Date: Saturday, June 21, 2014, 12:38 PM
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> Trying to kill more than one bird per stone here
> and still keep the XYL happy.
> Has anyone built a 43 foot
> vertical from those 4 foot aluminum/fiberglass military
> masts? You lose 3.5" as overlap between the
> joints, but by the time you get to 40 some odd feet
> you're either a bit short or a bit long. Using 12
> pieces you end up with 44 feet which might be close
> enough. There are also fiberglass poles that you can
> interchange with the aluminum and what I would like to to do
> is use 12 of the aluminum poles as a vertical (44 feet) and
> then put 4 fiberglass poles on top of that and use it as a
> traditional mast for my vhf verticals. I'd like to
> use both of them at the same time as a remote base setup if
> possible but I don't think there would be enough
> separation to prevent front end overload. Going with a
> mast instead of a tower (which I have but isn't up yet)
> would allow me to have a tilt over base and I could paint
> the mast so it would be less noticeable.
> Is this doable and does anyone
> know how much weight these military poles can
> support?

> Thanks in advance
> Joelkj6dif
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33010. Re: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 20:10:01 UTC
From: Mel Farrer
Topic: 32933 Message: 33010

While I have not tried one of the lighter duty fiberglass masts, I have had extensive experience with the military Carbon Fiber mast sections that are about 4-1/2" in dia and about 4 feet long. Very Strong. I will put a couple of pictures and data sheets in the photo section. If you can find them, they are a excellent choice. I have one installed that is over 54 feet tall and was put up with a tractor using the bucket. The antenna in the picture is a OCF vertical dipole for 80 and 40 meters.

Mel, K6KBE

On Wednesday, June 25, 2014 12:52 PM, "Brian Carling bcarling@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Good information here. I agree.

My experience with a fiberglass mast only 25 feet tall and about 3 inches in diameter lifting a small 6 m cubical quad by walking it up was that it shattered very easily.

Best regards - Bry Carling

On Jun 21, 2014, at 5:31 PM, "'Bill Blomgren \(kk4qdz\)' billblomgren@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>That is "do able" ---but you need to consider the Aluminum - corrosion will destroy efficiency because Al oxydizes VERY quickly. And the oxide is a great insulator.
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>On Sat, 6/21/14, joel1847@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
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>enough. There are also fiberglass poles that you can
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>traditional mast for my vhf verticals. I'd like to
>use both of them at the same time as a remote base setup if
>possible but I don't think there would be enough
>separation to prevent front end overload. Going with a
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33011. AW: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 20:53:14 UTC
From: siegfried jackstien
Topic: 32933 Message: 33011

54 feet with these mil tent poles?? Wow that is real high ...

I would have been worried about wobbling when erecting ... but you have set
it up so it seems to be no problem ...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 25. Juni 2014 20:10
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Using a 43 foot vertical as a mast or vice
> versa
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>
> While I have not tried one of the lighter duty fiberglass masts, I have
> had extensive experience with the military Carbon Fiber mast sections that
> are about 4-1/2" in dia and about 4 feet long. Very Strong. I will put a
> couple of pictures and data sheets in the photo section. If you can find
> them, they are a excellent choice. I have one installed that is over 54
> feet tall and was put up with a tractor using the bucket. The antenna
> in the picture is a OCF vertical dipole for 80 and 40 meters.
>
> Mel, K6KBE
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> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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> Good information here. I agree.
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> Best regards - Bry Carling
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> On Jun 21, 2014, at 5:31 PM, "'Bill Blomgren \(kk4qdz\)'
> billblomgren@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
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> antennas@yahoogroups.com> wrote:
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33012. RE: [ham-antennas] Wishful VNA thinking.

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 21:05:54 UTC
From: Terry Antle
Topic: 32956 Message: 33012

Ron:

I agree with you.

I used the 8510C on the job for several years and it definitely does not contain a built in tracking signal generator.

Terry N9TFG

> To: ham-antennas@yahoogroups.com
> From: ham-antennas@yahoogroups.com
> Date: Wed, 25 Jun 2014 13:05:00 -0400
> Subject: Re: [ham-antennas] Wishful VNA thinking.
>
> On 06/25/2014 10:53 AM, Terry N9TFG Antle terryantle8@...:
>
> > Also, don't forget that an 8510C VNA won't do you much good without some
> > sort of sweep generator....(not built into this box like some of the
> > newer VNA's).
>
> I am sure it is impossible to create a VNA without a built in
> tracking signal generator. The 8510 has it's.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
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>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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> Yahoo Groups Links
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33013. Re: AW: [ham-antennas] Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-25 21:37:20 UTC
From: Mel Farrer
Topic: 32933 Message: 33013

Not tent poles, they were used to support a AZ radar/communication dish antenna and rotator at 100 feet. Look at the pictures for the data sheets.

Mel, K6KBE

On Wednesday, June 25, 2014 1:55 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

54 feet with these mil tent poles?? Wow that is real high ...

I would have been worried about wobbling when erecting ... but you have set it up so it seems to be no problem ...

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Sigi

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> Gesendet: Mittwoch, 25. Juni 2014 20:10
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33014. Re: Using a 43 foot vertical as a mast or vice versa

Yahoo group: ham-antennas (2014)
Date: 2014-06-26 13:42:39 UTC
From: jeffreyclay@...
Topic: 32933 Message: 33014

I setup 8 of the aluminum poles for my mast. I helped feed poles to my man on the ladder in a push-up fashion. I also had 3 friends feeding out guy ropes that were attached to the top and center of the poles. Before the guys were pulled tight it was a wobbly stick flexing ~3' at the top. Once trued up and tied down it withstands wind gusts of 50-60 mph during storms presenting itself as rigid.
I don't think going higher would be successful as a pushup with another level of guy.
Best of luck to you, Jeff KJ4RWH

33015. Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-26 19:01:24 UTC
From: farrerfolks@...
Topic: 32632 Message: 33015

Give me your email address direct. Ray.

Mel, K6KBE

33016. Re: [ham-antennas] Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-26 20:10:19 UTC
From: Raymond Tompkins
Topic: 32632 Message: 33016

kq6x68@...

On Thursday, June 26, 2014 12:01 PM, "farrerfolks@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Give me your email address direct. Ray.

Mel, K6KBE

33017. Re: [ham-antennas] Re: Vertical Antenna in Limited Area

Yahoo group: ham-antennas (2014)
Date: 2014-06-26 20:21:47 UTC
From: Mel Farrer
Topic: 32632 Message: 33017

Hello Raymond,

Is the modular house at that address where you live? Looks like a good candidate for a wrap around eve antenna??? What is the size of the perimeter of the eves? If that might be possible, no one would see it with #18 nickel plated copper dull gray wire. I have tons. I have done several of the eve antennas and the trick is to mount them on TV screw in stand off insulators. You remember the old 300 ohm twin lead standoffs? Antenna wire slips right through and doesn't touch any metal. I do a lot of antenna modelling and looking at the house, I need to know which room is your preferred operating space. I was thinking of a off center fed dipole for 40 meters 1/3 - 2/3. Would give you 40 through 10 meter coverage. As long as you don't run over 300 watts or so, the baluns and feed line can be quite invisible. Just a thought.

Mel, K6KBE

On Thursday, June 26, 2014 1:10 PM, "Raymond Tompkins kq6x68@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

kq6x68@...

On Thursday, June 26, 2014 12:01 PM, "farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Give me your email address direct. Ray.

Mel, K6KBE

33018. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 01:20:48 UTC
From: Bill Collister
Topic: 32784 Message: 33018

```
Because of the twisted pairs, it could be dicey. Ribbon cable used to
be a good choice also when it was readily available.
Bill
N7MOG

On 6/13/2014 10:00 AM, Jimmie K9JFK k9jfk@... [ham-antennas] wrote:
> Hi Hal,
>
> I'd give it a try. I'm currently using a similar size wire for the
> radial field under a ground mounted vertical. Its a couple of years
> old and has no problems.
>
> 73, Jimmie, k9jfk
>
> >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
> tivoligardens@... [ham-antennas]
> To ham-antennas@yahoogroups.com
> Jun 12 at 4:04 PM
> hello all
>
> Can the individual strands of a cat-5 cable be used for a QRP dipole ?
>
> Thanks
> Hal 54hal
> ------------------------------------------------------------------------
> Posted by: tivoligardens@...
> ------------------------------------------------------------------------
>
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>
```

33019. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 02:01:34 UTC
From: Andy
Topic: 32784 Message: 33019

Bill wrote:

"Because of the twisted pairs, it could be dicey."

I guess it all depends on how you're using the cable.

If you tie all the strands together, at one or both ends, then I don't think it matters. It would be a bit like stranded wire, or maybe Litz wire. Should work just fine.

If by "individual strands" you mean unwrapping them down to the individual wires (to get eight times as much wire out of them), it would work, but the strands might be a bit thin for ruggedness.

If you had in mind making a multiband "fan dipole" (or whatever you prefer to call it) where wires of the same bundle are cut to different lengths, then I think it could be dicey. The very tight coupling between wires of a pair probably means you need to treat each pair as one, and not try to cut the two wires of a pair to different lengths.

Separate question: I'm wondering, has anyone used (or heard of using) CAT5 as an RF feedline? I read about this not long ago, where someone suggested it would actually work fine for HF. I've got my doubts, both for reasons of bandwidth and power handling.

Regards,
Andy

33020. role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 14:57:56 UTC
From: dazzmos@...
Topic: 33020 Message: 33020

i have made a role up slim jim ..... but it is worse receiving than my rubber duck on my hand held
I have all the measurements correct .... any ideas earth maybe ?
Many thanks

33021. Re: role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 16:31:57 UTC
From: farrerfolks@...
Topic: 33020 Message: 33021

Send a picture of the slim jim to the photo section.

Mel, K6KBE

33022. Re: [ham-antennas] role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 17:07:24 UTC
From: Alex Netherton
Topic: 33020 Message: 33022

Slim Jims are not tuned when the measurements are "correct". You need to
move the feedpoint with a swr meter b4 soldering it.
Plus, check all connections. Mine (3 of them) all work fine.
73
On Jun 27, 2014 10:58 AM, "dazzmos@yahoo.co.uk [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> i have made a role up slim jim ..... but it is worse receiving than my
> rubber duck on my hand held
>
> I have all the measurements correct .... any ideas earth maybe ?
>
> Many thanks
>
>

33023. House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 17:14:17 UTC
From: Richard Graves
Topic: 33023 Message: 33023

This kinda relates to ham radio antenna discussions:

http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants

My apologies if this is inappropriate.

73,

--
-Richard, KK4JDO
SKCC Life Member #9570 <http://www.skccgroup.com>
North American QRP CW Club #6178 <http://www.naqcc.info>
http://hamprojects.blogspot.com

33024. Re: [ham-antennas] role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 17:26:03 UTC
From: Dave
Topic: 33020 Message: 33024

I 2nd the SWR check.. TRUST me on that, there's no other simple way to set it.

On Friday, June 27, 2014 1:07 PM, "Alex Netherton anetherton@...m [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Slim Jims are not tuned when the measurements are "correct". You need to move the feedpoint with a swr meter b4 soldering it.
Plus, check all connections. Mine (3 of them) all work fine.
73
On Jun 27, 2014 10:58 AM, "dazzmos@yahoo.co.uk [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>i have made a role up slim jim ..... but it is worse receiving than my rubber duck on my hand held
>I have all the measurements correct .... any ideas earth maybe ?
>Many thanks

33025. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 17:41:48 UTC
From: Robert Ahrens
Topic: 33023 Message: 33025

About time!
On Jun 27, 2014 10:14 AM, "Richard Graves rgraves@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> This kinda relates to ham radio antenna discussions:
>
>
> http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restri
ctive-covenants
>
> My apologies if this is inappropriate.
>
> 73,
>
> --
> -Richard, KK4JDO
> SKCC Life Member #9570 <http://www.skccgroup.com>
> North American QRP CW Club #6178 <http://www.naqcc.info>
> http://hamprojects.blogspot.com
>
>

33026. RE: [ham-antennas] role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:14:37 UTC
From: Richard Schmuke
Topic: 33020 Message: 33026

Two things about a slim jim, the book measurements will only get you close, you need a SWR meter and/or a analyzer. I have made several J-Poles and slim jims and tuning is always a fine adjustment, then solder the wires and recheck.

Next , a slim jim cannot be grounded at the base like a J-Pole.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] role up slim jim

i have made a role up slim jim ..... but it is worse receiving than my rubber duck on my hand held

I have all the measurements correct .... any ideas earth maybe ?

Many thanks

33027. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:23:58 UTC
From: grey_wolf2011@...
Topic: 33023 Message: 33027

Heavens YES, it should have included CC&R's a long time ago.

I hope this bill passes because it's time the HOA's learned they can't bully people around by telling them what they can and can't do on their own property

33028. Re: [ham-antennas] role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:26:33 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33020 Message: 33028

Had a fellow here that tried building a 2 meter slim jim but had LOUSY reception, and trouble tuning.

when finally eyeballed, he had connected the feed backwards... (Center conductor to the short side...)

Reversed things, tuned, and got a 35 or 40 mile simplex session set up with the antenna up in the trees...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, June 27, 2014 2:14 PM
Subject: RE: [ham-antennas] role up slim jim

Two things about a slim jim, the book measurements will only get you close, you need a SWR meter and/or a analyzer. I have made several J-Poles and slim jims and tuning is always a fine adjustment, then solder the wires and recheck.
Next , a slim jim cannot be grounded at the base like a J-Pole.

From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] role up slim jim

i have made a role up slim jim ..... but it is worse receiving than my rubber duck on my hand held
I have all the measurements correct .... any ideas earth maybe ?
Many thanks

33029. RE: [ham-antennas] role up slim jim

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:29:39 UTC
From: Richard Schmuke
Topic: 33020 Message: 33029

A picture of your feed point would help. How is the coax mounted in relation to you lower part of the antenna? When making a wire or roll up slim jim I use a short run of coax with two very small alligator clips, find the sweet spot, mark it and install feed coax with ‘ugly balun, clamp and check then solder. My ground mounted slim jims always have a least a 1/4wl clear at the bottom with a fiberglass rod. I assume you are hanging it up high and clear underneath?

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 9:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] role up slim jim

i have made a role up slim jim ..... but it is worse receiving than my rubber duck on my hand held

I have all the measurements correct .... any ideas earth maybe ?

Many thanks

33030. Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:35:20 UTC
From: Chris Boone
Topic: 32784 Message: 33030

I used Cat 5 20 years ago as a 160m inverted V with all 8 strands tied together...worked like a champ....then made it into an 80 m full wave loop...granted it was tied off of a 250 ft microwave tower at work :) but it worked as it should (worse SWR was on 2nd harmonic, 40m, and that was only 3:1....the TS680 did not care and kept pumping out ok...I worked many 40m SSB contacts with it)....

The twist in each pair is to minimize crosstalk of the digital signal....using it as a feedline would probably not be the best as the pairs are twisted differently among the color codes and the line is NOT a BALANCED line for RF....it DOES work good for digital audio (like in AES broadcast use)....Zip cord (power or large spkr) would make a better feedline as it IS balanced and not twisted....however ladder line is not that hard to find OR make....

Chris
WB5ITT

33031. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:36:37 UTC
From: worahm@...
Topic: 33023 Message: 33031

I am the only Ham living in my restricted community. I am already getting dirty looks from both the management and some of the residents.

Bill KB2GF

33032. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 18:41:44 UTC
From: Adrian Flynn
Topic: 33023 Message: 33032

50 YEARS LATE!

Adrian KF7DYU

On Fri, Jun 27, 2014 at 1:14 PM, Richard Graves rgraves@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> This kinda relates to ham radio antenna discussions:
>
>
> http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restri
ctive-covenants
>
> My apologies if this is inappropriate.
>
> 73,
>
> --
> -Richard, KK4JDO
> SKCC Life Member #9570 <http://www.skccgroup.com>
> North American QRP CW Club #6178 <http://www.naqcc.info>
> http://hamprojects.blogspot.com
>
>
>

33033. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:03:51 UTC
From: Mike
Topic: 33023 Message: 33033

I wish you luck .... Im sure some day i will be in the same position !!!!!

I think the smallest possible 160M antenna would be a mag-loop or
helical loaded loop .... iv seen a (i think) 6.6' 80 through 20M loaded
loop ....
Its smaller than a C-band Sat Dish !!!

Anyways .. i hope it passes with out too many other things loaded
(attached) onto it ...

Mike KC7NOA

On 06/27/2014 11:36 AM, worahm@... [ham-antennas] wrote:
>
> I am the only Ham living in my restricted community. I am already
> getting dirty looks from both the management and some of the residents.
>
> Bill KB2GF
>
>

--
Mike KC7NOA

33034. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:06:22 UTC
From: Mike
Topic: 33023 Message: 33034

I dont see it as inappropriate ... i hope it gets passed around all ham forums .... even talked about on local repeaters !!!!

Mike KC7NOA
On 06/27/2014 10:14 AM, Richard Graves rgraves@...
[ham-antennas] wrote:
> This kinda relates to ham radio antenna discussions:
>
> http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants
>
> My apologies if this is inappropriate.
>
> 73,
>
> --
> -Richard, KK4JDO
> SKCC Life Member #9570 <http://www.skccgroup.com>
> North American QRP CW Club #6178 <http://www.naqcc.info>
> http://hamprojects.blogspot.com <http://hamprojects.blogspot.com/>
>

--
Mike KC7NOA

33035. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:36:11 UTC
From: rrmvargo@...
Topic: 33023 Message: 33035

I see a lot of "HOPING" going on. But no writing/calling/etc. Write/call your congressperson & senator. Let them all know your support. I have! - 73 Bob

33036. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:39:57 UTC
From: Artek Manuals
Topic: 33023 Message: 33036

A 6' loop is not a "reasonable accommodation" on 160 or 80 IMHO. For
those bands two 120' towers would be more appropriate :-)

Dave
NR1DX

On 6/27/2014 2:03 PM, Mike Patriot121@... [ham-antennas] wrote:
>
> I wish you luck .... Im sure some day i will be in the same position !!!!!
>
> I think the smallest possible 160M antenna would be a mag-loop or
> helical loaded loop .... iv seen a (i think) 6.6' 80 through 20M
> loaded loop ....
> Its smaller than a C-band Sat Dish !!!
>
> Anyways .. i hope it passes with out too many other things loaded
> (attached) onto it ...
>
> Mike KC7NOA
>
>
> On 06/27/2014 11:36 AM, worahm@... [ham-antennas] wrote:
>> ?
>>
>> I am the only Ham living in my restricted community. ? I am already
>> getting dirty looks from both the management and some of the residents.
>>
>> ?
>>
>> Bill KB2GF
>>
>
> --
> Mike KC7NOA
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33037. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:48:16 UTC
From: Mike
Topic: 33023 Message: 33037

God i love it ...
On 06/27/2014 12:39 PM, Artek Manuals nr1dx@... [ham-antennas] wrote:
>
> A 6' loop is not a "reasonable accommodation" on 160 or 80 IMHO. For
> those bands two 120' towers would be more appropriate :-)
>
> Dave
> NR1DX
>
>
> On 6/27/2014 2:03 PM, Mike Patriot121@... [ham-antennas] wrote:
>>
>> I wish you luck .... Im sure some day i will be in the same position
>> !!!!!
>>
>> I think the smallest possible 160M antenna would be a mag-loop or
>> helical loaded loop .... iv seen a (i think) 6.6' 80 through 20M
>> loaded loop ....
>> Its smaller than a C-band Sat Dish !!!
>>
>> Anyways .. i hope it passes with out too many other things loaded
>> (attached) onto it ...
>>
>> Mike KC7NOA
>>
>>
>> On 06/27/2014 11:36 AM, worahm@... [ham-antennas] wrote:
>>> Â
>>>
>>> I am the only Ham living in my restricted community. Â I am already
>>> getting dirty looks from both the management and some of the residents.
>>>
>>> Â
>>>
>>> Bill KB2GF
>>>
>>
>> --
>> Mike KC7NOA
>
>
> --
> Dave
> Manuals@ArtekManuals.com

> www.ArtekManuals.com
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

--
Mike KC7NOA

33038. RE: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:53:53 UTC
From: Scott Myers
Topic: 33023 Message: 33038

I used to live in a covenant restricted neighborhood. I move for many reasons, just one of which was to not have to get a papal blessing every time I wanted to do something to the property.

It will be interesting if this goes through. But like PRB-1, I wonder if each state would then have to pass their own bill to give PRB-1 real teeth like we did here in Ohio. I can see the lawyers licking their chops now at the money they will make.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 1:14 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

This kinda relates to ham radio antenna discussions:

http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants

My apologies if this is inappropriate.

73,

--

-Richard, KK4JDO

SKCC Life Member #9570 <http://www.skccgroup.com>

North American QRP CW Club #6178 <http://www.naqcc.info>

http://hamprojects.blogspot.com <http://hamprojects.blogspot.com/>

33039. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 19:59:41 UTC
From: Timothy-Allen Albertson
Topic: 33023 Message: 33039

i once read of an OM in a restricted community who had no complaints about his antennas--but one of them fed free WiFi to most of the community

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Fri, Jun 27, 2014 at 1:36 PM, worahm@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am the only Ham living in my restricted community. I am already getting
> dirty looks from both the management and some of the residents.
>
>
>
> Bill KB2GF
>
>
>

33040. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 20:46:28 UTC
From: Adrian Flynn
Topic: 33023 Message: 33040

Hi Scott,

This is easy to fix, find a tall tree and a short rope and string the evil lawyers up on a high branch. :-))

72/73
Adrian KF7DYU

. I can see the lawyers licking their chops now at the money they will
> make.
>
>
>
> 73,
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Friday, June 27, 2014 1:14 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] House Bill Would Require FCC to Extend PRB-1
> Coverage to Restrictive Covenants
>
>
>
>
>
> This kinda relates to ham radio antenna discussions:
>
>
>
>
> http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restri
ctive-covenants
>
>
>
> My apologies if this is inappropriate.
>
>
>

> 73,
>
>
>
> --
>
> -Richard, KK4JDO
>
> SKCC Life Member #9570 <http://www.skccgroup.com>
>
> North American QRP CW Club #6178 <http://www.naqcc.info>
>
> http://hamprojects.blogspot.com
>
>
>

33041. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 20:50:19 UTC
From: Richard Graves
Topic: 33023 Message: 33041

Tie an antenna wire to them first, two birds with one stone! (and to keep it ham related for the thread). ;-)

On Fri, Jun 27, 2014 at 4:46 PM, Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Scott,
>
> This is easy to fix, find a tall tree and a short rope and string the evil
> lawyers up on a high branch. :-))
>
> 72/73
> Adrian KF7DYU
>
> __._,_.
>
>
>

--
-Richard, KK4JDO
SKCC Life Member #9570 <http://www.skccgroup.com>
North American QRP CW Club #6178 <http://www.naqcc.info>
http://hamprojects.blogspot.com

33042. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-27 20:55:30 UTC
From: Joe
Topic: 33023 Message: 33042
Attachments: 1 described; binary payloads are missing from this source WARC

then run your KW through the wire!

Joe wb9sbd
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 6/27/2014 3:50 PM, Richard Graves rgraves@...
[ham-antennas] wrote:
>
>
> Tie an antenna wire to them first, two birds with one stone! (and to
> keep it ham related for the thread). ;-)
>
>
> On Fri, Jun 27, 2014 at 4:46 PM, Adrian Flynn
> ADRIANJAMESFLYNN@... <mailto:ADRIANJAMESFLYNN@...>
> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
> Hi Scott,
>
> This is easy to fix, find a tall tree and a short rope and string
> the evil lawyers up on a high branch. :-))
>
> 72/73
> Adrian KF7DYU
>
> __._,_.
>
>
>
>
> --
> -Richard, KK4JDO
> SKCC Life Member #9570 <http://www.skccgroup.com>
> North American QRP CW Club #6178 <http://www.naqcc.info>
> http://hamprojects.blogspot.com <http://hamprojects.blogspot.com/>
>
>
>

33043. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 02:19:52 UTC
From: Dale Miller
Topic: 33023 Message: 33043

On 6/27/2014 1:23 PM, grey_wolf2011@... [ham-antennas] wrote:
>
>
> Heavens YES, it should have included CC&R's a long time ago.
>
>
> I hope this bill passes because it's time the HOA's learned they can't
> bully people around by telling them what they can and can't do on
> their own property
>
>

I second that...I'm so tire of hearing about HOA's telling homeowners
what they can and can't do on there properties.
I understand there are people that leave there property looking like a
junk yard but CC&Rs shouldn't preclude anyone from doing what they want
on there own property.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

33044. RE: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 04:19:15 UTC
From: Art Roberts - W5AER
Topic: 33023 Message: 33044

While living in Houston, in a HOA addition. They restricted antennas to the usual TV antenna, no more than 10 feet about the highest point of the roof. Fortunately, my XYL was the president of the HOA and said to go ahead and put up my Hustler ATV-6. In reality, you really had to look to see it about the house. Don’t think I would have pushed for a Tri-bander at 30ft, what with the 50 foot yard width, and possible backlash…

Art – W5AER

Tariffville, CT

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 10:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

On 6/27/2014 1:23 PM, grey_wolf2011@... <mailto:grey_wolf2011@live.com> [ham-antennas] wrote:

Heavens YES, it should have included CC&R's a long time ago.

I hope this bill passes because it's time the HOA's learned they can't bully people around by telling them what they can and can't do on their own property

I second that...I'm so tire of hearing about HOA's telling homeowners what they can and can't do on there properties.
I understand there are people that leave there property looking like a junk yard but CC&Rs shouldn't preclude anyone from doing what they want on there own property.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@twlakes.net <mailto:stpatrick3spam@...>
stpatrick2spam@... <mailto:stpatrick2spam@...>
stpatrick3spam@... <mailto:stpatrick3spam@...>
bdchimneysweepspam@... <mailto:bdchimneysweepspam@...>

(cut the spam to reply)

--

33045. Re: House Bill Would Require FCC to Extend PRB-1 Coverage to Restric

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 13:55:06 UTC
From: Glen Ellis
Topic: 33045 Message: 33045

.Guys,

Interesting thread.
I considered putting up a tower.
Called the HOA,
A rep came out and said there was "no rule on antennas",
"but, we will make one , now ".

So, I wrapped a 225 foot LongWire All Around the House,
and down the fence across the rose bush.
The counterpoise is tucked under the lap-board siding.
Works fine enough.
If you believe in Antenna Tuners,
there are many things you can do about Antennas.
.
I had a contact with a Ham who had loaded the Bottom End of a Rain Gutter DownSpout,
and was working DX. He believes in Antenna Tunners and any long piece of metal.
.
HOA activites make money for the real-estate company
because Home Owners are not business people and don't want to be.
As long as somebody is making money, the activity is here to stay.
.
If you don't ask, and don't tell,
and learn to hide a stealthtype antenna,
you can get on the air.
.

Glen Ellis

Life is for living ... anything else is for an i-Phone.

FCC Commercial & and Amateur Radio

webpage: http://www.GeoCities.WS/glene77is ARRL, QRP/ARCI, SKCC , NAQCC
bio at QRZ.com

33046. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 14:23:14 UTC
From: Keith Heimbold
Topic: 33023 Message: 33046

I will definitely now put up a small 6m 1.9m boom LFA Yagi now at my house in Zephyrhills, FL (where dear old mom lives). It will give me something to do next time I visit while she complains about everything. Lol.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jun 27, 2014, at 9:19 PM, "'Art Roberts - W5AER' w5aer@earthlink.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> While living in Houston, in a HOA addition. They restricted antennas to the usual TV antenna, no more than 10 feet about the highest point of the roof. Fortunately, my XYL was the president of the HOA and said to go ahead and put up my Hustler ATV-6. In reality, you really had to look to see it about the house. Don’t think I would have pushed for a Tri-bander at 30ft, what with the 50 foot yard width, and possible backlash…
>
>
>
> Art – W5AER
>
> Tariffville, CT
>
>
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, June 27, 2014 10:20 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants
>
>
>
>
>
> On 6/27/2014 1:23 PM, grey_wolf2011@live.com [ham-antennas] wrote:
>

> Heavens YES, it should have included CC&R's a long time ago.
>
>
>
> I hope this bill passes because it's time the HOA's learned they can't bully people around by telling them what they can and can't do on their own property
>
>
>
>
> I second that...I'm so tire of hearing about HOA's telling homeowners what they can and can't do on there properties.
> I understand there are people that leave there property looking like a junk yard but CC&Rs shouldn't preclude anyone from doing what they want on there own property.
>
>
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Cookeville, Tennessee
> Ham Operator since 1997 (Extra)
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
>
> stpatrick3spam@twlakes.net
> stpatrick2spam@twlakes.net
> stpatrick3spam@gmail.com
> bdchimneysweepspam@gmail.com
>
> (cut the spam to reply)
>
> __
>
>

33047. RE: [ham-antennas] Re: House Bill Would Require FCC to Extend PRB-1 Coverage to Restric

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 14:23:38 UTC
From: Joe Wolfe
Topic: 33045 Message: 33047

I would have tried to borrow a section or two of tower and set them up along side the house. Then when the HOA passed the no tower rule, you would have been grandfathered in.no law that prohibits something, can be passed that goes into effect retroactively.

A number of years ago, our neighborhood had a lady who was campaigning against my antennas (We have no HOA in effect..it died years ago!) You called a neighborhood meeting and the purpose was to pass rules, banning antennas. She riled against mine for 30 minutes, telling everyone how their property values were dropping, due to my antenna farm. Finally it was my turn.I told the folks assembled if they had read any of the Fire Departments' emergency evacuation and communications notices (We are in an earthquakes prone area). I asked one of the fire department's personnel to come up and read them.simply put, , they state that in a time of emergency, everyone should proceed, if possible, to my house as I would handle all communications, in and out, of our general area, in case all phone lines and cellphones were down. That opened a few of the newer residents of our area's eyes.I then stated, very simply, that they could pass an anti-antenna/tower law if they wished, but it wouldn't help, citing the old saw about closing the gate after all the horses has escaped.'nuther words.any rules they passed would not affect me, as they could not be made retroactive. Out od 40 people present, she was the only one who voted for rules restricting antennas.

<<<EVIL, FREAKIN, GRIN!>>>

Joe - W7RKN

Reno, Nevada

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: [ham-antennas] Re: House Bill Would Require FCC to Extend PRB-1 Coverage to Restric

.Guys,

Interesting thread.

I considered putting up a tower.

Called the HOA,

A rep came out and said there was "no rule on antennas",

"but, we will make one , now ".

33048. Re: [ham-antennas] Re: House Bill Would Require FCC to Extend PRB-1 Coverage to Restric

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 14:41:11 UTC
From: bcarling@...
Topic: 33045 Message: 33048

Best to read the HOA agreement BEFORE you buy the house!

Mine has NO antenna restrictions and I live in a decent 15 year old neighborhood.
You can find them.

On 28 Jun 2014 at 6:55, Glen Ellis glene77is@... wrote:

>
>
> .Guys,
> Interesting thread.
> I considered putting up a tower.
> Called the HOA,
> A rep came out and said there was "no rule on antennas",
> "but, we will make one , now ".
>
> So, I wrapped a 225 foot LongWire All Around the House,
> and down the fence across the rose bush.
> The counterpoise is tucked under the lap-board siding.
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> If you believe in Antenna Tuners,
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> I had a contact with a Ham who had loaded the Bottom End of a Rain Gutter
> DownSpout,
> and was working DX. He believes in Antenna Tunners and any long piece of
> metal.
> .
> HOA activites make money for the real-estate company
> because Home Owners are not business people and don't want to be.
> As long as somebody is making money, the activity is here to stay.
> .
> If you don't ask, and don't tell,
> and learn to hide a stealth type antenna,
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> .
>
> student smiley Glen Ellis
>
>
> Life is for living ... anything else is for an i-Phone.
> FCC Commercial & and Amateur Radio
> webpage:http://www.GeoCities.WS/glene77is ARRL, QRP/ARCI, SKCC , NAQCC bio at QRZ.com
>

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>

33049. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 15:06:05 UTC
From: dean
Topic: 33023 Message: 33049

Aren't all lawyers evil by their very nature.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, June 27, 2014 1:46 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Hi Scott,

This is easy to fix, find a tall tree and a short rope and string the evil lawyers up on a high branch. :-))

72/73
Adrian KF7DYU

. I can see the lawyers licking their chops now at the money they will make.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, June 27, 2014 1:14 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

This kinda relates to ham radio antenna discussions:

http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants

My apologies if this is inappropriate.

73,

--

-Richard, KK4JDO

SKCC Life Member #9570

North American QRP CW Club #6178

http://hamprojects.blogspot.com

33050. Re: [ham-antennas] House Bill Would Require FCC to Extend PRB-1 Coverage to Restrictive Covenants

Yahoo group: ham-antennas (2014)
Date: 2014-06-28 15:09:22 UTC
From: Timothy-Allen Albertson
Topic: 33023 Message: 33050

somewhat better than software engineers

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Jun 28, 2014 at 10:06 AM, 'dean' deanf@sti.net [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Aren’t all lawyers evil by their very nature.
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Friday, June 27, 2014 1:46 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] House Bill Would Require FCC to Extend
> PRB-1 Coverage to Restrictive Covenants
>
>
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> Hi Scott,
>
> This is easy to fix, find a tall tree and a short rope and string the evil
> lawyers up on a high branch. :-))
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> 72/73
> Adrian KF7DYU
>
>
>> . I can see the lawyers licking their chops now at the money they
>> will make.
>>
>>
>>
>> 73,
>>
>> Scott AC8DE
>>
>>
>>

>> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>
>> *Sent:* Friday, June 27, 2014 1:14 PM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* [ham-antennas] House Bill Would Require FCC to Extend PRB-1
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>>
>>
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>> This kinda relates to ham radio antenna discussions:
>>
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>> http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restr
ictive-covenants
>>
>>
>>
>> My apologies if this is inappropriate.
>>
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>>
>> 73,
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>>
>> --
>>
>> -Richard, KK4JDO
>>
>> SKCC Life Member #9570 <http://www.skccgroup.com>
>>
>> North American QRP CW Club #6178 <http://www.naqcc.info>
>>
>> http://hamprojects.blogspot.com
>>
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>

33051. Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 01:38:35 UTC
From: wa1rkt@...
Topic: 33051 Message: 33051

I'm just starting to learn a bit about how to read ionosonde charts like here:

192.52.62.251/latestFrames.htm

(odd that the link has an IP number instead of a domain but that's how it was provided to me...

I get how to read the critical frequency and the MUFs but that's about it... don't know what pretty much anything else in the lefthand column means. And, so far can't find a manual or help file that explains it all.

My main objective is to be able to find a reliable frequency, for comms out to about 75 miles or so, at any time during the day that won't get absorbed by the D layer. For example, today the critical frequency didn't rise significantly above 7 MHz all day. Theoretically 40 meter NVIS wouldn't have worked (it almost sort of worked, but comms were really difficult and I couldn't make out much of what was said) and 75 meters would have been (and was) absorbed by the D layer.

In addition to amateur use this will be used for MARS and CAP which have several frequencies to choose from between 75 and 40 meters. I'd like to know how to pick a frequency that's below the critical frequency but won't be absorbed down to nothing by the D layer. Can I get that info from the ionosonde charts?

Is it likely there'll be times when there is no such frequency, i.e. anything below the critical frequency will be absorbed by the D layer and I may as well pack up and go home and wait for nightfall?

Thanks...

Rick WA1RKT

33052. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 03:11:01 UTC
From: Andy
Topic: 33051 Message: 33052

I know I've seen a downloadable file or website or two with brief explanations of all the acronyms on those digisonde ionograms, but now I can't find it.

I'm pretty sure these ionograms don't tell you much if anything about D layer absorption.

From what I recall ...

"fo" refers to the "ordinary" wave, "fx" is for the "extraordinary wave. This has to do with the preferred(?) rotation of circularly polarized waves in the ionosphere, which is in one direction in the northern magnetic hemisphere and opposite in the southern hemisphere. If you send up a plane wave, it consists of CW and CCW components, but the two components react a little differently with the ionosphere, so they diverge. I think the magenta data is for the ordinary wave, and green is extraordinary wave. (Don't take the word "extraordinary" too literally. It doesn't mean anything unusual. I think ordinary/extraordinary are just old tech terms going back decades.)

It is technically not quite true that the critical frequency foF2 is the highest frequency that will reflect for NVIS. fxF2 is usually greater than foF2, and if you are able to get yourself between foF2 and fxF2 (which most people can't, unless you are military), the results are supposed to be pretty good Below foF2 you can have partial cancellation between the ordinary and extraordinary wave components. Above foF2 that cancellation goes away. A ham (now SK) told me how they used to chase that "sweet spot" between the two, when he did military communications in Britain, long ago.

F1, F2, and E refer to those ionosphere layers, of course. I don't think there is anything for the D layer in those plots. "fmin" is the minimum frequency at which a reflection was received, but sometimes that is just the lowest frequency at which that particular digisonde is allowed to transmit. (I think that's what I'm seeing right now.)

The abbreviations that begin with "h" refer to height above ground. You have effective and actual heights to deal with. The colored data is the effective height vs. frequency, calculated by dividing speed-of-light by half the time delay up and down. But the propagation velocity slows down significantly as the radio waves encounter the ionosphere, causing greater delay. So the actual height at which a wave "reflects" back down is much lower than the effective height. The lowest black curve plots the estimated actual height.

I *think* the "y" and "B" data have something to do with the shapes of the extrapolated curves through the data. Maybe not particularly useful except from a mathematical perspective.

Regards,
Andy

33053. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 03:28:56 UTC
From: Andy
Topic: 32784 Message: 33053

Chris wrote:

"The twist in each pair is to minimize crosstalk of the digital signal....using it as a feedline would probably not be the best as the pairs are twisted differently among the color codes and the line is NOT a BALANCED line for RF...."

I don't follow you there. I'd think the different amounts of twist shouldn't matter, and would only help. Each pair is balanced, as far as the copper is concerned; it's just up to you to feed it balanced too.

Since Ethernet *is* RF, and the idea of this cable is to keep the signals well balanced so they don't radiate and don't crosstalk and interfere, that particular aspect seems to be ideal for using this cable as a balanced feedline. The places I see problems, are attenuation, and power handling (neither of which is really a problem for Ethernet, since it uses a lot of equalization).

"Zip cord (power or large spkr) would make a better feedline as it IS balanced and not twisted"

I think everything I've read about zip cord recently, says that it is not a very good choice as a feedline, because it is lossy. Makes a great antenna, but could be a lousy feedline (which is not to say that you can't use it as such).

Regards,
Andy

33054. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 05:50:22 UTC
From: Ron Youvan
Topic: 33051 Message: 33054

On 06/28/2014 09:38 PM, wa1rkt@... [ham-antennas] wrote:

> I'm just starting to learn a bit about how to read ionosonde charts like
> here:

> 192.52.62.251/latestFrames.htm

The ionogram is the ultimate way of assessing short-wave propagation. It tells us exactly what is going on. To help interpret the ionogram, there are also a useful set of figures provided in the diagram which give us some very useful information. So... how do we interpret the ionogram to help understand HF propagation?

from: http://www.wirelesswaffle.co/index.php?entry=entry110112-212228

and: http://en.wikipedia.org/wiki/Ionosonde

and: http://www.ips.gov.au/IPSHosted/INAG/pdf/inag49.pdf

google.com is your friend.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33055. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 08:19:45 UTC
From: Original Woodchuck
Topic: 33051 Message: 33055

On Sat, Jun 28, 2014 at 06:38:35PM -0700, wa1rkt@... [ham-antennas] wrote:
> I'm just starting to learn a bit about how to read ionosonde charts like here:
>
> 192.52.62.251/latestFrames.htm

251.62.52.192.in-addr.arpa name = digisonde-1.haystack.edu.

Hope that helps. "haystack.edu" is the Haystack Observatory of MIT.

Dave AB3NR

33056. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 14:09:50 UTC
From: Artek Manuals
Topic: 33051 Message: 33056

On 6/28/2014 8:38 PM, wa1rkt@... [ham-antennas] wrote:
>
> I'm just starting to learn a bit about how to read ionosonde charts
> like here:
>
> 192.52.62.251/latestFrames.htm
>
> (odd that the link has an IP number instead of a domain but that's how
> it was provided to me...
>
Just means that likely the web site owner self-hosts the web site (or
purchased a dedicated IP address from a hosting service). At one time I
could lease a dedicated DSL connection from Centurylink and then self
host my own web site if I chose (so my customers could download files
from MY server) . It was too expensive not to mention the operational
overhead (my personal time) and I later dumped Emabraq/CenturyLink
anyway because of their unresponsive and arrogant customer service. Most
web sites are hosted by a 3rd party and use a dynamic IP addressing (
from a block of addresses) to balance the data load across multiple users

Dave
NR1DX

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33057. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 15:24:53 UTC
From: Don Sanders
Topic: 32784 Message: 33057

Actually ZIP cord makes a good feed line at 80 and 40.
Loss is about 3 dB at 10.1 and 4 dB at 14.0 per 100 feet.
So short lengths are OK at 30 and 20 meters.
It is better than RG174 mini coax on antennas I have built.
And, using only one length of zip cord and splitting the end
makes an easy antenna build and continuous wire, no solder joints.
Fits easily in a ziplock baggie.

Don W4BWS

On Sat, Jun 28, 2014 at 10:28 PM, Andy ai.egrps@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Chris wrote:
>
> "The twist in each pair is to minimize crosstalk of the digital
> signal....using it as a feedline would probably not be the best as the
> pairs are twisted differently among the color codes and the line is NOT a
> BALANCED line for RF...."
>
> I don't follow you there. I'd think the different amounts of twist
> shouldn't matter, and would only help. Each pair is balanced, as far as
> the copper is concerned; it's just up to you to feed it balanced too.
>
> Since Ethernet *is* RF, and the idea of this cable is to keep the signals
> well balanced so they don't radiate and don't crosstalk and interfere, that
> particular aspect seems to be ideal for using this cable as a balanced
> feedline. The places I see problems, are attenuation, and power handling
> (neither of which is really a problem for Ethernet, since it uses a lot of
> equalization).
>
> "Zip cord (power or large spkr) would make a better feedline as it IS
> balanced and not twisted"
>
> I think everything I've read about zip cord recently, says that it is not
> a very good choice as a feedline, because it is lossy. Makes a great
> antenna, but could be a lousy feedline (which is not to say that you can't
> use it as such).
>
> Regards,
> Andy
>
>
>

>

--
Dr. Don W4BWS

33058. Re: Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 15:34:33 UTC
From: wa1rkt@...
Topic: 33051 Message: 33058

Andy>> "I don't think there is anything for the D layer in those plots. 'fmin' is the minimum frequency at which a reflection was received, but sometimes that is just the lowest frequency at which that particular digisonde is allowed to transmit."<<

So, theoretically, if I pick a frequency between fmin and foF2, I should be good to go, more or less, right?

Trouble is, with the ionosonde I'm watching (Millstone Hill, MA), fmin is always 1.00 and never changes, at least that's how it's been for the last couple of days. Seems like the "real" fmin isn't getting recorded in the list on the left. Unfortunately so far that's the only ionosonde I've been able to access that's anywhere near here (southern NH) which is my area of interest and so I need an ionosonde in this general area. There are a few others including one at Hanscom AFB, MA but they have not been accessible for the last few days at least. Hopefully they'll become accessible again.

Meanwhile, I see near the bottom of the chart, at about the 100-km elevation line, some magenta dots start showing up at about 2.5 MHz or a bit above. Would that be a reasonable indication of the minimum useable frequency? Seems not... 75 meters is dead right now, and being Field Day and all, I would have expected to hear some activity on 75 from contesters if no one else, so it does seem like the minimum useable frequency is somewhat higher.

There is another sort of reverse-S-shaped trace that begins at about the 180-km elevation and just above 4 MHz, and ends at the 600-km elevation line and about 7.2 MHz (which is foF2). Does that look like a more reasonable range from minimun useable to critical frequencies?

I asked earlier if there'll be times when anything below the critical frequency will be absorbed by the D layer and I may as well pack up and go home. I suppose that in conditions like that the ionosonde won't get any echoes at all and everything in the lefthand list will be N/A, right?

Rick WA1RKT

33059. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 15:42:50 UTC
From: Ed Cartwright
Topic: 32784 Message: 33059

Jerry Hall, K1TD, wrote a comprehensive essay on this subject published in the March 1979 QST..

The Characteristic Impedance was found to be 107 Ohms at 10 mHz, falling to 105 Ohms at 15 mHz. Velocity factor was 69.5 %.

Zip is OK for a radiating wire, but fails as a transmission line . Los per 100 feet was measured at 2dB at 7mHz, increasing to 7dB at 28 mHz.

I hope this is helpful.
73 Ed N6MMW

On Sun, Jun 29, 2014 at 8:24 AM, Don Sanders w4bws1@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Actually ZIP cord makes a good feed line at 80 and 40.
> Loss is about 3 dB at 10.1 and 4 dB at 14.0 per 100 feet.
> So short lengths are OK at 30 and 20 meters.
> It is better than RG174 mini coax on antennas I have built.
> And, using only one length of zip cord and splitting the end
> makes an easy antenna build and continuous wire, no solder joints.
> Fits easily in a ziplock baggie.
>
> Don W4BWS
>
>
> On Sat, Jun 28, 2014 at 10:28 PM, Andy ai.egrps@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> Chris wrote:
>>
>> "The twist in each pair is to minimize crosstalk of the digital
>> signal....using it as a feedline would probably not be the best as the
>> pairs are twisted differently among the color codes and the line is NOT a
>> BALANCED line for RF...."
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>> I don't follow you there. I'd think the different amounts of twist
>> shouldn't matter, and would only help. Each pair is balanced, as far as
>> the copper is concerned; it's just up to you to feed it balanced too.
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>> Since Ethernet *is* RF, and the idea of this cable is to keep the signals
>> well balanced so they don't radiate and don't crosstalk and interfere, that

>> particular aspect seems to be ideal for using this cable as a balanced
>> feedline. The places I see problems, are attenuation, and power handling
>> (neither of which is really a problem for Ethernet, since it uses a lot of
>> equalization).
>>
>> "Zip cord (power or large spkr) would make a better feedline as it IS
>> balanced and not twisted"
>>
>> I think everything I've read about zip cord recently, says that it is not
>> a very good choice as a feedline, because it is lossy. Makes a great
>> antenna, but could be a lousy feedline (which is not to say that you can't
>> use it as such).
>>
>> Regards,
>> Andy
>>
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>>
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>
> --
> Dr. Don W4BWS
>
>
>

33060. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 15:52:45 UTC
From: Don Sanders
Topic: 32784 Message: 33060

Again as I stated, from the article you referenced, at 80 and 40 it works
well.
There are better antennas and feedlines at 20 meters and above.

Don W4BWS

On Sun, Jun 29, 2014 at 10:42 AM, Ed Cartwright n6mmwmail@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Jerry Hall, K1TD, wrote a comprehensive essay on this subject published in
> the March 1979 QST..
>
> The Characteristic Impedance was found to be 107 Ohms at 10 mHz, falling
> to 105 Ohms at 15 mHz. Velocity factor was 69.5 %.
>
> Zip is OK for a radiating wire, but fails as a transmission line . Los
> per 100 feet was measured at 2dB at 7mHz, increasing to 7dB at 28 mHz.
>
> I hope this is helpful.
> 73 Ed N6MMW
>
>
> On Sun, Jun 29, 2014 at 8:24 AM, Don Sanders w4bws1@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> Actually ZIP cord makes a good feed line at 80 and 40.
>> Loss is about 3 dB at 10.1 and 4 dB at 14.0 per 100 feet.
>> So short lengths are OK at 30 and 20 meters.
>> It is better than RG174 mini coax on antennas I have built.
>> And, using only one length of zip cord and splitting the end
>> makes an easy antenna build and continuous wire, no solder joints.
>> Fits easily in a ziplock baggie.
>>
>> Don W4BWS
>>
>>
>> On Sat, Jun 28, 2014 at 10:28 PM, Andy ai.egrps@... [ham-antennas]
>> <ham-antennas@yahoogroups.com> wrote:
>>
>>>
>>>
>>> Chris wrote:

>>>
>>> "The twist in each pair is to minimize crosstalk of the digital
>>> signal....using it as a feedline would probably not be the best as the
>>> pairs are twisted differently among the color codes and the line is NOT a
>>> BALANCED line for RF...."
>>>
>>> I don't follow you there. I'd think the different amounts of twist
>>> shouldn't matter, and would only help. Each pair is balanced, as far as
>>> the copper is concerned; it's just up to you to feed it balanced too.
>>>
>>> Since Ethernet *is* RF, and the idea of this cable is to keep the
>>> signals well balanced so they don't radiate and don't crosstalk and
>>> interfere, that particular aspect seems to be ideal for using this cable as
>>> a balanced feedline. The places I see problems, are attenuation, and power
>>> handling (neither of which is really a problem for Ethernet, since it uses
>>> a lot of equalization).
>>>
>>> "Zip cord (power or large spkr) would make a better feedline as it
>>> IS balanced and not twisted"
>>>
>>> I think everything I've read about zip cord recently, says that it is
>>> not a very good choice as a feedline, because it is lossy. Makes a great
>>> antenna, but could be a lousy feedline (which is not to say that you can't
>>> use it as such).
>>>
>>> Regards,
>>> Andy
>>>
>>>
>>>
>>
>>
>> --
>> Dr. Don W4BWS
>>
>>
>
>

--
Dr. Don W4BWS

33061. Re: [ham-antennas] Re: Ethernet for a dipole

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 15:55:25 UTC
From: Andy
Topic: 32784 Message: 33061

Cat-5 can be pretty cheap these days, esp. surplus, and is lightweight. It also has about the same impedance as zip cord (around 100-120 ohms), so if you parallel two of the pairs, the impedance is just about ideal for driving a dipole.

Andy

33062. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 17:59:32 UTC
From: Andy
Topic: 33051 Message: 33062

"192.52.62.251/latestFrames.htm

"(odd that the link has an IP number instead of a domain but that's how it was provided to me..."

The Millstone Hill (Haystack Observatory) digisonde is one of the older ones around, I think. But over the years I have noticed that its appearance on the web seems to come and go, often for long periods. I had an opportunity to ask the director of the observatory if he knew anything about that. I think he wasn't even aware they still had a digisonde (not too surprising since his duties mostly concern the main Haystack Observatory dish). The whole Haystack/Millstone Hill facility is somewhat spread out in a few different clusters, and the digisonde could be hidden among trees. My guess is that it's been running all the time, requiring very little human interaction, and either someone forgets to renew the registration on its domain, or it migrates to another domain and word doesn't get around to us 'casual' users.

So the IP address might be the more reliable way of accessing those digisonde plots. That's my guess, anyway.

Regards,
Andy

33063. Re: [ham-antennas] Re: Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 18:43:18 UTC
From: Andy
Topic: 33051 Message: 33063

Rick wrote:

"So, theoretically, if I pick a frequency between fmin and foF2, I should be good to go, more or less, right?"

I don't know how useful "fmin" is. It's just saying that was the lowest frequency they heard their own echo; but keep in mind they don't transmit all frequencies, and the digisondes have pretty sophisticated signal processing which might pull their signal out even buried in the noise, where you couldn't hope to pull off a voice SSB or ALE contact.

"Trouble is, with the ionosonde I'm watching (Millstone Hill, MA), fmin is always 1.00 and never changes, at least that's how it's been for the last couple of days. Seems like the "real" fmin isn't getting recorded in the list on the left."

Last night when I replied, it was showing fmin = 2.35 MHz or thereabouts.

Most of the digisondes have frequency gaps where they don't transmit. Look immediately below the X-axis line and you'll see a few line segments; I think those are their gaps. (See the short blips at 5 and 10 MHz?) Millstone has only a few, but it looks like 1-2.2 MHz is blocked off.

"There are a few others including one at Hanscom AFB, MA but they have not been accessible for the last few days at least."

Hanscom *HAD* an experimental ionosonde or two, many years ago. I could be mistaken but I believe they do not anymore. I used to drive right past the antennas which probably were it, but the antennas were all gone the last time I went that way (Tinker Loop). Google Maps' aerial view shows just grass and an odd mowing/mud pattern where the antennas used to be. But Bing Maps' aerial view does show some antennas there. I don't know which view is newer.

Regards,
Andy

33064. Re: [ham-antennas] Re: Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 19:02:55 UTC
From: Andy
Topic: 33051 Message: 33064

"Meanwhile, I see near the bottom of the chart, at about the 100-km elevation line, some magenta dots start showing up at about 2.5 MHz or a bit above."

These plots are updated every few minutes. I can't see what you saw.

"Would that be a reasonable indication of the minimum useable frequency?"

Unfortunately the plots don't tell you anything about either path loss, or S/N. I would guess that if the Millstone ionosonde can't hear its own signal, on a frequency where it is transmitting, then you won't be able to do NVIS either. That's about all you can say. It might not tell you when conditions are good.

"There is another sort of reverse-S-shaped trace that begins at about the 180-km elevation and just above 4 MHz, and ends at the 600-km elevation line and about 7.2 MHz (which is foF2)."

I'm guessing that is just telling you something about the electron density in the F1 and F2 layers. The data below the start of that curve might be due to reflections off the E layer, not very important.

NOAA has a website http://www.swpc.noaa.gov/drap/ that shows the estimated D layer absorption, when there is a solar or geomagnetic event in progress. Click on the maps to see them better.

"I asked earlier if there'll be times when anything below the critical frequency will be absorbed by the D layer and I may as well pack up and go home. I suppose that in conditions like that the ionosonde won't get any echoes at all and everything in the lefthand list will be N/A, right?"

Probably. I've never seen that happen. (Not that I check the ionosondes that regularly, mind you.)

But you might still get through even if you can't do NVIS.

Regards,
Andy

33065. Re: Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 20:04:03 UTC
From: wa1rkt@...
Topic: 33051 Message: 33065

Andy>> "digisondes have pretty sophisticated signal processing which might pull their signal out even buried in the noise, where you couldn't hope to pull off a voice SSB or ALE contact."

Seems like a more useful tool would be something that shows conditions that the normal user (military, commercial, amateur) would see, i.e. if the digisonde can pull out its own signal, by magic, that's all very nice but it's unlikely to be a lot of help to normal users establishing a communications link.

I wonder if it'd be practical to put together a poor man's ionosonde with a Flex SDR and B&W "radiating dummy load" antenna. That could perhaps tell us something that an amateur / MARS / CAP communicator could actually use to good effect. Of course it'd have to switch from transmit to receive and be ready to listen in a few hundred microseconds. That might be asking a bit much.

Rick WA1RKt

33066. Re: [ham-antennas] Ionosokde charts and critical frequencies

Yahoo group: ham-antennas (2014)
Date: 2014-06-29 21:22:47 UTC
From: Original Woodchuck
Topic: 33051 Message: 33066

On Sun, Jun 29, 2014 at 09:09:50AM -0500, Artek Manuals nr1dx@... [ham-antennas] wrote:
> On 6/28/2014 8:38 PM, wa1rkt@... [ham-antennas] wrote:
> >
> >I'm just starting to learn a bit about how to read ionosonde
> >charts like here:
> >
> >192.52.62.251/latestFrames.htm
> >
> >(odd that the link has an IP number instead of a domain but that's
> >how it was provided to me...
> >
> Just means that likely the web site owner self-hosts the web site (
> or purchased a dedicated IP address from a hosting service). At one
> time I could lease a dedicated DSL connection from Centurylink and
> then self host my own web site if I chose (so my customers could
> download files from MY server) . It was too expensive not to mention
> the operational overhead (my personal time) and I later dumped
> Emabraq/CenturyLink anyway because of their unresponsive and
> arrogant customer service. Most web sites are hosted by a 3rd party
> and use a dynamic IP addressing (from a block of addresses) to
> balance the data load across multiple users
>
> Dave
> NR1DX

Don't guess.

I already provided the explanation.

Dave AB3NR

33067. Millstone Hill (MA) ionosonde vs www.spacew.com/www/fof2.html

Yahoo group: ham-antennas (2014)
Date: 2014-06-30 02:30:58 UTC
From: wa1rkt@...
Topic: 33067 Message: 33067

I've been watching MIT's Millstone Hill ionosonde (digisonde-1.haystack.edu/latestFrames.htm) off and on for most of today, amazed that the critical frequency never rose much above 6 MHz all day.

Then a couple of hours ago it took a huge and, it seemed, almost instantaneous jump so that now, they claim the critical frequency is 8.35 MHz.

Yet when I look at the worldwide F2 Critical Frequency map at www.spacew.com/www/fof2.html, it claims that the critical frequency here (southern NH) is more like something under 5.5 MHz.

What am I supposed to believe?

Rick WA1RKT

33068. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-07-01 15:44:07 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 33068

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

33069. NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:10:43 UTC
From: farrerfolks@...
Topic: 33069 Message: 33069

Ok, while this has been addressed under CCNRs, apparments dwellers, etc. This is more challenging. I have a VERY alert ham with a restricted use of the property, a 5 bedroom assisted care unit in a congested home environment, I recently got permission to put up a outside J antenna so he is on the air VHF, but sorely wants to get back on the air HF even at a VERY limited efficiency.

Conditions:

1. Single story home with perimeter wood fence, lots of trees, shrubs, etc.
2. Limited access to the side yard but a trench to the fence could be done, hint hint.
3. Antenna and matching, tuners out side must be nearly invisible.
4. Cost is limited with his condition.

SO, I envision a outside wire antenna, Probably a FAR endfed. All band Xcvr with ATU, Low power of course. Primary interest is 80/40 meters, naturally, didn't want to make it easy. I have used #18 nickel plated copper wire with success as it turns gray quickly. Maybe a end fed wire supported near the top the the wood fence?

A general discussion is appreciated, hate to see an old ham who wants to get back in isolated.....

Mel, K6KBE

33070. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:17:40 UTC
From: wa1rkt@...
Topic: 33069 Message: 33070

Mel;

Does he have a computer and Internet access? Any chance of setting him up a more capable station somewhere else, and giving him access to it over the Internet using Ham Radio Deluxe or similar?

Rick WA1RKT

33071. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:19:44 UTC
From: Mike
Topic: 33069 Message: 33071

What not try out a linear loaded Loop ...
Its small and can cover 80 to 20/15 depending on Vac Cap used ...
Iv not tried this but i do plan on building one ...
<http://www.hlmagneticloopantennas.com/2elementloop/>

Mike KC7NOA

On 07/02/2014 04:10 PM, farrerfolks@... [ham-antennas] wrote:
>
> Ok, while this has been addressed under CCNRs, apparments dwellers,
> etc. This is more challenging. I have a VERY alert ham with a
> restricted use of the property, a 5 bedroom assisted care unit in a
> congested home environment, I recently got permission to put up a
> outside J antenna so he is on the air VHF, but sorely wants to get
> back on the air HF even at a VERY limited efficiency.
>
> Conditions:
>
> 1. Single story home with perimeter wood fence, lots of trees,
> shrubs, etc.
> 2. Limited access to the side yard but a trench to the fence could be
> done, hint hint.
> 3. Antenna and matching, tuners out side must be nearly invisible.
> 4. Cost is limited with his condition.
>
> SO, I envision a outside wire antenna, Probably a FAR endfed. All
> band Xcvr with ATU, Low power of course. Primary interest is 80/40
> meters, naturally, didn't want to make it easy. I have used #18
> nickel plated copper wire with success as it turns gray quickly.
> Maybe a end fed wire supported near the top the the wood fence?
>
> A general discussion is appreciated, hate to see an old ham who wants
> to get back in isolated.....
>
> Mel, K6KBE
>
>
>

--
Mike KC7NOA

33072. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:30:18 UTC
From: farrerfolks@...
Topic: 33069 Message: 33072

Thanks Mike, It is one of the thoughts considered, but wanted to see other options that don't need a outside control cable. Remember needs to be really invisible if possible. Thanks.

Mel

33073. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:30:46 UTC
From: Don Sanders
Topic: 33069 Message: 33073

I suggest the 9130 balun by Balun Designs(costs $50) and an 59 foot end fed wire.
Balun designs has a chart of wire lengths to use with the balun which is good to 300 watts.
So should work great at 100 watts or less. Of course longer wire will work better at 80 and 40 meters. Counterpoises can be run along the fence. Wire can be installed as inverted L if needed for extra length. Should be stealth but functional.

Another is the end fed wire and balun by the Hawaii group EARC which is also about $50 kit and $79 assembled.

Don W4BWS

On Wed, Jul 2, 2014 at 6:10 PM, farrerfolks@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Ok, while this has been addressed under CCNRs, apparments dwellers, etc.
> This is more challenging. I have a VERY alert ham with a restricted use of
> the property, a 5 bedroom assisted care unit in a congested home
> environment, I recently got permission to put up a outside J antenna so he
> is on the air VHF, but sorely wants to get back on the air HF even at a
> VERY limited efficiency.
>
> Conditions:
>
> 1. Single story home with perimeter wood fence, lots of trees, shrubs,
> etc.
> 2. Limited access to the side yard but a trench to the fence could be
> done, hint hint.
> 3. Antenna and matching, tuners out side must be nearly invisible.
> 4. Cost is limited with his condition.
>
> SO, I envision a outside wire antenna, Probably a FAR endfed. All band
> Xcvr with ATU, Low power of course. Primary interest is 80/40 meters,
> naturally, didn't want to make it easy. I have used #18 nickel plated
> copper wire with success as it turns gray quickly. Maybe a end fed wire
> supported near the top the the wood fence?
>
> A general discussion is appreciated, hate to see an old ham who wants to
> get back in isolated.....
>
> Mel, K6KBE

>
>
>
>

--
Dr. Don W4BWS

33074. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:54:46 UTC
From: Paul V Birke PEng
Topic: 33069 Message: 33074

Mel

have a look at us on eh-antenna yahoo group for what you might think of using

best Paul

33075. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-02 23:58:06 UTC
From: farrerfolks@...
Topic: 33069 Message: 33075

Good points, thanks Don.

Mel

33076. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 00:11:46 UTC
From: farrerfolks@...
Topic: 33069 Message: 33076

I have looked at the EH configuration in the past, but it does not past the: I don't see it criteria. thanks.

Mel

33077. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 03:10:38 UTC
From: Steve
Topic: 33069 Message: 33077

-------- Original message --------
From "Mike Patriot121@msn.com [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: 07/02/2014 6:19 PM (GMT-06:00)
To ham-antennas@yahoogroups.com
Subject Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

What not try out a linear loaded Loop ...
Its small and can cover 80 to 20/15 depending on Vac Cap used ...
Iv not tried this but i do plan on building one ...
<http://www.hlmagneticloopantennas.com/2elementloop/>

Mike KC7NOA

On 07/02/2014 04:10 PM, farrerfolks@yahoo.com [ham-antennas] wrote:

Ok, while this has been addressed under CCNRs, apparments dwellers, etc. This is more challenging. I have a VERY alert ham with a restricted use of the property, a 5 bedroom assisted care unit in a congested home environment, I recently got permission to put up a outside J antenna so he is on the air VHF, but sorely wants to get back on the air HF even at a VERY limited efficiency.

Conditions:

1. Single story home with perimeter wood fence, lots of trees, shrubs, etc.
2. Limited access to the side yard but a trench to the fence could be done, hint hint.
3. Antenna and matching, tuners out side must be nearly invisible.
4. Cost is limited with his condition.

SO, I envision a outside wire antenna, Probably a FAR endfed. All band Xcvr with ATU, Low power of course. Primary interest is 80/40 meters, naturally, didn't want to make it easy. I have used #18 nickel plated copper wire with success as it turns gray quickly. Maybe a end fed wire supported near the top the the wood fence?

A general discussion is appreciated, hate to see an old ham who wants to get back in isolated.....

Mel, K6KBE

--
Mike KC7NOA

33078. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 05:00:32 UTC
From: MIKE DURKIN
Topic: 33069 Message: 33078

Invisible .. no, but painted like the rain gutters ...
probably never even noticed ... or the storm windows.

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Wed, 2 Jul 2014 17:11:46 -0700
Subject: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

I have looked at the EH configuration in the past, but it does not past the: I don't see it criteria. thanks.

Mel

33079. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 10:03:20 UTC
From: jeffrey lord
Topic: 33069 Message: 33079

I have a small yard 36 x 45 feet but I don't have the restrictions you Ham has .
However what about a non resonate loop around the house eaves feed with 300ohm /open wire feeder to a Balun, then to a tuner .

I have a similar arrangement but at a higher elevation and have found it to be better than the doublet i previously had.

another option would be to look at using the guttering for an antenna and setting up a ground system around the house .

just my 2 cents worth hope it helps.

Jeff
VK4FNRS

33080. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 10:41:29 UTC
From: Craig LaBarge
Topic: 33069 Message: 33080

Mel:

If they have aluminum downspouts/gutters, try loading them up. I've been doing that successfully with 5 watts for many years now:

<http://www.qsl.net/wb3gck/spout.htm>

If they are vinyl, run a wire up the downspout and across a gutter in an inverted L configuration. If the counterpoise wires are a problem, try feeding through a 9:1 unun without radials/counterpoise wires and about 25-30 of coax.

73, Craig WB3GCK

33081. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 13:31:56 UTC
From: mikerodgerske5gbc@...
Topic: 33069 Message: 33081

That EARC end fed must have had a price increase. Mine was $50 delivered and assembled.

It has a 30 or 31 foot wire. Not sure how it would work on 75 but with 75' or rg-8x swr was below 3:1 6-80. You can get the stealth wire from wireman if needed. Something along that line will probably be your best bet.

Something a little better would be a remote tuner with a wire and counterpoise.

There is a Utube of a guy in New Jersey I think using that arrangement at his condo with his K2 and KX3.

I've heard of using screwdrivers and heard one on 40m.

At the very least, get him on Echolink.
I use that some in the truck from my iPhone. I have to swap trucks every day.

I don't get to check in here every day or even every week so get me direct if you want to swap ideas. If you were anywhere between Dallas,TX and El Paso,TX I'd loan you my EARC to try. Really all you need is a 9:1 Balun. They have a schematic and pictures on their website.

I could find the before mentioned video if need be.

Good Luck
Mike R

Jimmy & Jimmy we will miss you.

Thanks for the music. Rest in peace. Little Jimmy Dickens and
The singing Cajun Jimmy C. Newman.

33082. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 14:13:26 UTC
From: m6mrp@...
Topic: 33069 Message: 33082

The Alpha Antenna 6-160 HF J-Pole may be worth a try, can be clipped to guttering or deployed in other ways, stuck with indoor wire antennas at this qth and considering one myself
review : http://www.eham.net/reviews/detail/9968 http://www.eham.net/reviews/detail/9968
Phil

33083. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 16:38:37 UTC
From: farrerfolks@...
Topic: 33069 Message: 33083

Thanks Phil the reviews sound good.

Mel

33084. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 16:42:45 UTC
From: farrerfolks@...
Topic: 33069 Message: 33084

Thanks Mike,

Unfortunately, he needs 75. But will give it a look. Maybe a small coil to load it, hummm.

Mel

33085. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 16:44:51 UTC
From: farrerfolks@...
Topic: 33069 Message: 33085

The downspouts are vinyl so it is a possibility. I like that one. The endfed wire could then go along the eves, a thought.

Mel

33086. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-03 16:46:56 UTC
From: farrerfolks@...
Topic: 33069 Message: 33086

Thanks Jeff,
The landlord is pretty stiff, so will have to finesse what ever looks most inconspicuous.

Mel

33087. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 00:35:33 UTC
From: farrerfolks@...
Topic: 33069 Message: 33087

Ok. I want to thank all those who offered comments. After conferring with the land lord, any antenna other than a single wire is out. No climbing on the roof, but eves are an open issue, maybe. No open wires that patients might touch. There is a copper water faucet near by. Ground???? Here is an interesting comment made, those darn birds are a problem and mess all over the back patio.....hint hint. I suggested a bird deterrent in the form of mylar metalized streamers that flash like they use in the orchards might be a help.....

How about a couple of very thin support wires with spaced streamers to keep them away????? He is thinking about it. They would be festive in appearance, hummmm .

So at least at this rest home for a old ham, it looks like a hidden feedline to a end fed HW with a 9:1 and a ground then feed up the plastic down spouts is a real possibility. The saga continues.

Thanks guys,

Mel, K6KBE

33088. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 00:53:57 UTC
From: Geoff NW7GM
Topic: 33069 Message: 33088

I would not use the water faucet for an rf ground because it would be tied into the house/building electrical ground.

On Thursday, July 3, 2014, farrerfolks@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Ok. I want to thank all those who offered comments. After conferring with
> the land lord, any antenna other than a single wire is out. No climbing on
> the roof, but eves are an open issue, maybe. No open wires that patients
> might touch. There is a copper water faucet near by. Ground???? Here is
> an interesting comment made, those darn birds are a problem and mess all
> over the back patio.....hint hint. I suggested a bird deterrent in the
> form of mylar metalized streamers that flash like they use in the orchards
> might be a help.....
>
> How about a couple of very thin support wires with spaced streamers to
> keep them away????? He is thinking about it. They would be festive in
> appearance, hummmm .
>
> So at least at this rest home for a old ham, it looks like a hidden
> feedline to a end fed HW with a 9:1 and a ground then feed up the plastic
> down spouts is a real possibility. The saga continues.
>
> Thanks guys,
>
> Mel, K6KBE
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33089. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 01:33:44 UTC
From: Ed Simpson
Topic: 33069 Message: 33089

Several years ago one of our ham/Coast Guard Aux guys moved into a retirement home. He moved into a littlebungalow beside one of the three story residences and other bungalow's. We were able to put a 43' vertical with a sgc auto tuner at its base on top of the three story building. We ran the coax along the top of the roof, down the rain spout over to his bungalow. They had the Gardner trench about 4' to run the coax to a window. We used a bias T setup to get power to the tuner and he uses it all the time. I understand this is probably an exception and I don't know how he made it happen, but he is one happy person.

Good luck
Ed
W6EDD

From: "farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 3, 2014 5:35 PM
Subject: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Ok. I want to thank all those who offered comments. After conferring with the land lord, any antenna other than a single wire is out. No climbing on the roof, but eves are an open issue, maybe. No open wires that patients might touch. There is a copper water faucet near by. Ground???? Here is an interesting comment made, those darn birds are a problem and mess all over the back patio.....hint hint. I suggested a bird deterrent in the form of mylar metalized streamers that flash like they use in the orchards might be a help.....

How about a couple of very thin support wires with spaced streamers to keep them away?????
He is thinking about it. They would be festive in appearance, hummmm .

So at least at this rest home for a old ham, it looks like a hidden feedline to a end fed HW with a 9:1 and a ground then feed up the plastic down spouts is a real possibility.
The saga continues.

Thanks guys,

Mel, K6KBE

33090. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 14:05:43 UTC
From: Mel Farrer
Topic: 33069 Message: 33090

Good story. The landlord here is less understanding. Well see how it runs out.

Mel, K6KBE

On Thursday, July 3, 2014 6:33 PM, "Ed Simpson smilebuck@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Several years ago one of our ham/Coast Guard Aux guys moved into a retirement home. He moved into a littlebungalow beside one of the three story residences and other bungalow's. We were able to put a 43' vertical with a sgc auto tuner at its base on top of the three story building. We ran the coax along the top of the roof, down the rain spout over to his bungalow. They had the Gardner trench about 4' to run the coax to a window. We used a bias T setup to get power to the tuner and he uses it all the time. I understand this is probably an exception and I don't know how he made it happen, but he is one happy person.

Good luck
Ed
W6EDD

From: "farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, July 3, 2014 5:35 PM
Subject: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Ok. I want to thank all those who offered comments. After conferring with the land lord, any antenna other than a single wire is out. No climbing on the roof, but eves are an open issue, maybe. No open wires that patients might touch. There is a copper water faucet near by. Ground???? Here is an interesting comment made, those darn birds are a problem and mess all over the back patio.....hint hint. I suggested a bird deterrent in the form of mylar metalized streamers that flash like they use in the orchards might be a help.....

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He is thinking about it. They would be festive in appearance, hummmm .

So at least at this rest home for a old ham, it looks like a hidden
feedline to a end fed HW with a 9:1 and a ground then feed up the plastic down spouts is a real possibility. The saga continues.

Thanks guys,

Mel, K6KBE

33091. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 16:13:03 UTC
From: aa2nh@...
Topic: 33069 Message: 33091

Pretty much all of the systems that Alpha Antenna builds are suitable for HOA and other antenna restricted locations (ref. http://AmateurRadioStore.com http://AmateurRadioStore.com)

33092. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-04 16:31:17 UTC
From: wa1rkt@...
Topic: 33069 Message: 33092

Unfortunately HOAs have a tendency to decide for themselves what's suitable and what's not.

The computer remote access to an off-premises and more-capable station won't work?

33093. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 02:59:46 UTC
From: farrerfolks@...
Topic: 33069 Message: 33093

While he is still very much "with it" in conversation, he has problems with "complicated steps to execute" , just like me. ha. He does not have Skype or high speed internet access. Text, and emails are about the limit. darn. So I am trying to keep it simple. Here is the set up from what he tells me.

Older HF transceiver without ATU.
He can afford a ATU
Thinking about a OCF dipole so it won't need a hard ground, Land lord said no rods or trip over wires.
So EFHW is out

So, I wait to see what the landlord will allow and then go from there. Hey guys, this is what we are all possibly facing..... Thanks for the comments. This seems to be an never ending story.....

Mel, K6KBE

33094. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 06:31:07 UTC
From: Mike
Topic: 33069 Message: 33094

Can he put an antenna on the roof? perhapse a folded di-pole ... laid down on the -- well just over each edge of the top part -- so that it stradles the top, if its not a flat roof ... that would just leave getting the coax up there ... Not full HF, but something ...

Mike KC7NOA

On 07/04/2014 07:59 PM, farrerfolks@... [ham-antennas] wrote:
>
> While he is still very much "with it" in conversation, he has problems
> with "complicated steps to execute" , just like me. ha. He does not
> have Skype or high speed internet access. Text, and emails are about
> the limit. darn. So I am trying to keep it simple. Here is the set
> up from what he tells me.
>
> Older HF transceiver without ATU.
> He can afford a ATU
> Thinking about a OCF dipole so it won't need a hard ground, Land lord
> said no rods or trip over wires.
> So EFHW is out
>
> So, I wait to see what the landlord will allow and then go from
> there. Hey guys, this is what we are all possibly facing.....
> Thanks for the comments. This seems to be an never ending story.....
>
> Mel, K6KBE
>
>

--
Mike KC7NOA

33095. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 07:40:40 UTC
From: Dave Patrick
Topic: 33069 Message: 33095

A single long wire connected to a good 9:1 balun will work fine. Use the braid of the coax as the counterpoise and use a 1:1 choke balun between the coax and ATU to stop rf feedback. This will give a stealth working solution.

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: farrerfolks@... [ham-antennas]
Sent: 05/07/2014 03:59
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

While he is still very much "with it" in conversation, he has problems with "complicated steps to execute" , just like me. ha. He does not have Skype or high speed internet access. Text, and emails are about the limit. darn. So I am trying to keep it simple. Here is the set up from what he tells me.

Older HF transceiver without ATU.
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So EFHW is out

So, I wait to see what the landlord will allow and then go from there. Hey guys, this is what we are all possibly facing..... Thanks for the comments. This seems to be an never ending story.....

Mel, K6KBE

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px;

padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

33096. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 15:14:55 UTC
From: soona4sail@...
Topic: 33069 Message: 33096

Single wire is a great idea. The Balun Design website, has an antenna topic section, that deals with long wires. Worth the read, plus they have excellent baluns designed for the long wire. 73

33097. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 15:45:40 UTC
From: Don Sanders
Topic: 33069 Message: 33097

I am forwarding this for your info. The 9To1 and a 30 to 50 foot wire with a counterpoise along the building wall on the ground may work and be non obtrusive and no "trip wires".

Stu, KI6J, has been redoing his web site and, for now, it's sorta sparse looking but he has more of his balun kits for sale. E-mail him at KI6J@... and he'll letcha know all about the kit --- one kit is $13.00, two are $24.00 and three are $33.00. Great value (you decided which ratio you want - 1:1, 4:1, 9:1 - and Stu provides the info on how to wind it). With summertime upon us, time to dust off those portable kits and antennas - if you need a balun, Stu's kits certainly fill the bill and his support is top notch! Enjoy the days ahead with a quality QRP balun kit from www.betterqrp.com 72, Jim Rodenkirch K9JWV

Don W4BWS

On Sat, Jul 5, 2014 at 10:14 AM, soona4sail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Single wire is a great idea. The Balun Design website, has an antenna
> topic section, that deals with long wires. Worth the read, plus they have
> excellent baluns designed for the long wire.
> 73
>
>
>

--
Dr. Don W4BWS

33098. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 21:42:06 UTC
From: farrerfolks@...
Topic: 33069 Message: 33098

First of all I want to thank all who contributed. Issue is closed. No joy response from landlord, no more wires, period. OH well, looking at getting a remote site internet connected potential.

33099. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 22:17:46 UTC
From: Mike
Topic: 33069 Message: 33099

Any linux experience or just windows?

This is a Windows client that connects to a Linux remote Radio server ..
http://napan.ca/ghpsdr3/index.php/QtRadio_on_Windows

Mike KC7NOA

On 07/05/2014 02:42 PM, farrerfolks@... [ham-antennas] wrote:
>
> First of all I want to thank all who contributed. Issue is closed.
> No joy response from landlord, no more wires, period. OH well,
> looking at getting a remote site internet connected potential.
>
>

--
Mike KC7NOA

33100. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 22:28:38 UTC
From: Mel Farrer
Topic: 33069 Message: 33100

Thanks Mike, but no, limited to Windows.

Mel

On Saturday, July 5, 2014 3:17 PM, "Mike Patriot121@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Any linux experience or just windows?

This is a Windows client that connects to a Linux remote Radio server .. http://napan.ca/ghpsdr3/index.php/QtRadio_on_Windows

Mike KC7NOA

On 07/05/2014 02:42 PM, farrerfolks@... [ham-antennas] wrote:

>First of all I want to thank all who contributed. Issue is closed. No joy response from landlord, no more wires, period. OH well, looking at getting a remote site internet connected potential.

--
Mike KC7NOA

33101. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-05 23:43:30 UTC
From: Ray Kasprzak
Topic: 33069 Message: 33101

You might want to try CQ100. Runs on all Windows versions. It's free for 90 days and then it's only 39.00 a year. You have to send them a copy of your license as it is strictly for hams. Just Google cq100 or go to www qsonet.com.

□ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://rkasprzak.smugmug.com/

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: Mel Farrer farrerfolks@... [ham-antennas]
Date: 07/05/14 17:28:44
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Thanks Mike, but no, limited to Windows.

Mel

On Saturday, July 5, 2014 3:17 PM, "Mike Patriot121@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Any linux experience or just windows?

This is a Windows client that connects to a Linux remote Radio server .. http://napan.ca/ghpsdr3/index.php/QtRadio_on_Windows

Mike KC7NOA

On 07/05/2014 02:42 PM, farrerfolks@... [ham-antennas] wrote:

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--
Mike KC7NOA

33102. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 00:03:55 UTC
From: KB3YRC
Topic: 33069 Message: 33102

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, July 05, 2014 6:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Here in the Central PA area We have some friends in Homes. Where we made designed antennas in Cloth Trees. And In Umbrella stands.

We have a dipole out the window and on the roof.

The one home a large one made a room off of the carpenter shop the Mouse house. Where they have 10 -15 school type desk in cubes for the residents.

They can bring their rigs from there old home. The water tower outside must have 20 antennas on it.

Remember it is the backup communication for the Home.

If there a Will there a way.

KB3YRC

33103. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 00:28:34 UTC
From: Mel Farrer
Topic: 33069 Message: 33103

Sorry Ray, I missed the point. The subject has moved around to the point that I have to ask what you are addressing, Sorry,

Mel, K6KBE

On Saturday, July 5, 2014 5:03 PM, "'KB3YRC' kb3yrc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, July 05, 2014 6:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Here in the Central PA area We have some friends in Homes. Where we made designed antennas in Cloth Trees. And In Umbrella stands.
We have a dipole out the window and on the roof.
The one home a large one made a room off of the carpenter shop the Mouse house. Where they have 10 -15 school type desk in cubes for the residents.
They can bring their rigs from there old home. The water tower outside must have 20 antennas on it.

Remember it is the backup communication for the Home.
If there a Will there a way.

KB3YRC

33104. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 09:43:07 UTC
From: jc_2aussie
Topic: 33069 Message: 33104

Sorry to hear that the landlord was so uncooperative ,
I have a friend at our Radio club who operated on a wire dipole which was strung around the inside of his rental property.
Over here we are covered by federal regs, similar to your Fcc, and are able to erect antennas in our properties , but rentals are at the landlords descrition, .
I wish you the best of luck with your endeavour

Jeff
Vk4fnrs

Sent from Samsung tablet

33105. AW: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 09:40:02 UTC
From: siegfried jackstien
Topic: 33069 Message: 33105

Magnetic loop in an umbrella stand ... only brought out when in use

... well hidden wire antenna with automatic tuner (INVISIBLE TO LANDLORD!)

I would not completely give up ... I would try to install something Very
WELL HIDDEN ... and then use it

And if it does not hurt the landlords eye all should be fine

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 5. Juli 2014 21:42
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF
> antenna
>
>
>
> First of all I want to thank all who contributed. Issue is closed. No
> joy response from landlord, no more wires, period. OH well, looking at
> getting a remote site internet connected potential.
>
>

33106. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 12:19:42 UTC
From: email4utoo@...
Topic: 33069 Message: 33106

Here are two articles you might use some ideas from- one is on adjustable Magnetic -Loop and the other on Choke selection Test , these are recent so usable , 73s, AJ W5HEH

Just click on June for MAg loop, and July for Choke Testing results.

Four State QRP Group http://www.4sqrp.com/TheBanner.php

http://www.4sqrp.com/TheBanner.php

Four State QRP Group http://www.4sqrp.com/TheBanner.php Four States QRP Group

View on www.4sqrp.com http://www.4sqrp.com/TheBanner.php
Preview by Yahoo

33107. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 12:47:37 UTC
From: sea_brat2002@...
Topic: 33069 Message: 33107

Here are more ideas from another group. Maybe try something inside.
Subject: Re: [Elecraft] A Good Antenna Length?
Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@elecraft.com
mailto:8A483818-7CCB-4434-B7AF-890CEEAC7649@elecraft.com>
Content-Type: text/plain; charset=us-ascii

On Jul 4, 2014, at 4:01 PM, Nr4c <nr4c@widomaker.com mailto:nr4c@widomaker.com> wrote:

I once worked a friend who'd just moved and was using a "GutterTron" ant in the CQWW. Yeah, the gutter and downspout fed against a ground-rod. Another friend loaded up the liner in his chimney, called a GutterTron.
I worked all over the country on 10 and 15 meters recently using a large metal window frame (5' x 8' picture window) as the antenna. I used alligator clips directly from the KX3 to two spots on the frame, experimenting with spacing. This is not described in the literature, but it worked. The ATU tuned up the window frame to ~1.0:1 on 20-6 meters.

33108. AW: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 13:26:45 UTC
From: siegfried jackstien
Topic: 33069 Message: 33108

The one eyed is king in the blinds :-)

Or in other words better do a bad antenna indoors as no antenna at all

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 6. Juli 2014 12:48
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF
> antenna
>
>
>
> Here are more ideas from another group. Maybe try something inside.
>
> Subject: Re: [Elecraft] A Good Antenna Length?
> Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@...>
> Content-Type: text/plain; charset=us-ascii
>
>
>
> On Jul 4, 2014, at 4:01 PM, Nr4c <nr4c@...> wrote:
>
>
>
> I once worked a friend who'd just moved and was using a "GutterTron"
> ant in the CQWW. Yeah, the gutter and downspout fed against a ground-rod.
>
> Another friend loaded up the liner in his chimney, called a
> GutterTron.
>
>
>
>
> I worked all over the country on 10 and 15 meters recently using a large
> metal window frame (5' x 8' picture window) as the antenna. I used
> alligator clips directly from the KX3 to two spots on the frame,
> experimenting with spacing. This is not described in the literature, but
> it worked. The ATU tuned up the window frame to ~1.0:1 on 20-6 meters.
>
>

>
>
>
>

33109. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 14:27:23 UTC
From: Ed Simpson
Topic: 33069 Message: 33109

This comment reminded me about the SGC Stealth antenna booklet. This url will take you to a google search that displays several booklets on things you can do inside your home or even outside. Don't give up.
sgc stealth antenna - Google Search

sgc stealth antenna - Google Search
Search Options Any time Past hour Past 24 hours Past week Past month Past year All results Verbatim About 293,000 results [PDF] Smartuners for Stealth Antennas ...
View on www.google.com Preview by Yahoo

Ed
W6EDD

_____
From: "sea_brat2002@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 6, 2014 5:47 AM
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Here are more ideas from another group. Maybe try something inside.

Subject: Re: [Elecraft] A Good Antenna Length?
Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@...>
Content-Type: text/plain; charset=us-ascii

On Jul 4, 2014, at 4:01 PM, Nr4c <nr4c@...m> wrote:
>
>
I once worked a friend who'd just moved and was using a "GutterTron" ant in the CQWW. Yeah, the gutter and downspout fed against a ground-rod.
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33110. Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 15:54:41 UTC
From: hitekgearhead@...
Topic: 33110 Message: 33110

I am finally getting around to installing an antenna setup at our new house. (Our first as home owners)

I have decided to use my military surplus 4' camo net poles for the project. 8 sections should give me just under 30'.

I have already mounted one of my poles in a 5 gallon bucket of concrete. I have also ordered an 18" standoff to clamp the mast to the side of the house just as it clears the roof line.

I plan on guying my top section just below my antenna mounts, and this is where I could use a few suggestions.

BTW, I am planning on supporting a dual band VHF/UHF antenna and fan dipole or possibly a doublet from this setup.

First question: Would it be a poor choice to use 17ga aluminum electric fence wire as guys? Since I am not supporting much I figure it would be a decent choice, and I could use the leftovers for more wire antenna projects.

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Third question: In direction 4 I do have a tree on the other side of the house I could anchor to, but the distance would be quite a ways. I would much rather tie the anchor to the roof at some point. I could make some kind of anchor block out of wood or metal but I am unsure about attaching directly to the roof. I don't want to compromise the roof. Then again, this isn't a 200' tower either, so maybe just a wood block screwed to the roof and sealed up with some roofing cement would be just fine.

Also, I guess if I used direction 4 for a wire all the way across the roof to that other tree, I could use that wire (maybe copperweld) as both a guy and the top of an inverted L.

Thanks,
Albert
KI4ORI

33111. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 16:28:39 UTC
From: KB3YRC
Topic: 33110 Message: 33111

Well you lost me as it weren't on, Sound good and planed out.

1. Guyed wire should be stranded, Aluminum solid will break quickly.

2. Using proper clamps and mounting hardware for the guy's if there not all at a 45 degree or matching who careers as long as there secure.

3. Paint can ? on the roof or at the base on the ground ?

4. If you are using stand-offs are you mounting part of it to the house and up a wall?

5. A total of 30 Ft your talking 15 ft. above the Roof for the guy wires.

6. And supporting the coax.

Let's try again

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 11:55 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Putting up mast/pole. Need some suggestions

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Thanks,
Albert
KI4ORI

33112. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 17:10:34 UTC
From: Mel Farrer
Topic: 33069 Message: 33112

Interesting. Thanks.

Mel, K6KBE

On Sunday, July 6, 2014 7:27 AM, "Ed Simpson smilebuck@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

This comment reminded me about the SGC Stealth antenna booklet. This url will take you to a google search that displays several booklets on things you can do inside your home or even outside. Don't give up.
sgc stealth antenna - Google Search

sgc stealth antenna - Google Search
Search Options Any time Past hour Past 24 hours Past week Past month Past year All results Verbatim About 293,000 results [PDF] Smartuners for Stealth Antennas ...
View on www.google.com Preview by Yahoo

Ed
W6EDD

From: "sea_brat2002@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 6, 2014 5:47 AM
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Here are more ideas from another group. Maybe try something inside.

Subject: Re: [Elecraft] A Good Antenna Length?
Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@...m>
Content-Type: text/plain; charset=us-ascii

On Jul 4, 2014, at 4:01 PM, Nr4c <nr4c@...> wrote:
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33113. AW: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 19:58:27 UTC
From: siegfried jackstien
Topic: 33110 Message: 33113

I would put up a pole on the roof ... even if it is just a few metres it gives you some height ...

Use the military tent poles (camo net poles) for you end points of your shortwave setup....

You can put these pole in the trees (using the trees as additional anchor points) ... that gives you a lot of height without much guying needed

... I would not use al fence wires as guy lines ...

Use Dacron rope instead

Al fence wires makes superb antenna wire ... but as a guy?!? Not good

I would put up the dualband vertical on the roof (short metal pole) ... and add a pulley slightly below it

Then you can experiment with any shortwave setup without the need to put the pole down

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 6. Juli 2014 15:55
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Putting up mast/pole. Need some suggestions
>
>
>
>
> I am finally getting around to installing an antenna setup at our new
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> I have already mounted one of my poles in a 5 gallon bucket of concrete. I
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> house just as it clears the roof line.
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> I plan on guying my top section just below my antenna mounts, and this is
> where I could use a few suggestions.
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> BTW, I am planning on supporting a dual band VHF/UHF antenna and fan
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> and the top of an inverted L.
>
> Thanks,
> Albert
> KI4ORI
>
>
>
>
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>
>
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>

33114. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 20:39:12 UTC
From: Richard Schmuke
Topic: 33110 Message: 33114

I would not use 17ga alum wire for guy wire. 17 ga is very thin and alum is far from a good guy wire. Nylon rope is OK for light loads, I use small cable. The direction with the acute would have to be the direction with the least wind load. Here in the middle of Missouri we have high loads from the west to south west and need strong guys in that direction. East and south east has less wind here, check your wind. A dipole can be incorporated into a support system.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 10:55 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Putting up mast/pole. Need some suggestions

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Also, I guess if I used direction 4 for a wire all the way across the roof to that other tree, I could use that wire (maybe copperweld) as both a guy and the top of an inverted L.

Thanks,
Albert
KI4ORI

[Non-text portions of this message have been removed]

33115. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 20:47:00 UTC
From: James M. Geidl
Topic: 33110 Message: 33115

Use Dacron not nylon ropes. Nylon is very susceptible to UV damage.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 1:39 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Putting up mast/pole. Need some suggestions

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far from a good guy wire. Nylon rope is OK for light loads, I use small
cable. The direction with the acute would have to be the direction with the
least wind load. Here in the middle of Missouri we have high loads from the
west to south west and need strong guys in that direction. East and south
east has less wind here, check your wind. A dipole can be incorporated into
a support system.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 10:55 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Putting up mast/pole. Need some suggestions

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Also, I guess if I used direction 4 for a wire all the way across the roof to that other tree, I could use that wire (maybe copperweld) as both a guy and the top of an inverted L.

Thanks,
Albert
KI4ORI

[Non-text portions of this message have been removed]

Posted by: "Richard Schmuke" <rdj@...>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

33116. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-06 21:44:32 UTC
From: Richard Schmuke
Topic: 33110 Message: 33116

Polypropylene rope is common , cheap and very susceptible to UV damage.
Nylon is listed as UV damage resistant as per US rope and cable ,

(http://www.us-rope-cable.com/rope.html) and easier to find at a local
store than Dacron. Dacron can always be ordered. I use nylon for dipole and
loop antenna support thru pulleys and steel for guys on my mast.

Rich Kd0zz.

Use Dacron not nylon ropes. Nylon is very susceptible to UV damage.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 1:39 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Putting up mast/pole. Need some suggestions

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Posted by: "Richard Schmuke" <rdj@...>

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Yahoo Groups Links

[Non-text portions of this message have been removed]

33117. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 00:46:17 UTC
From: KB3YRC
Topic: 33069 Message: 33117

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]
Sent: Sunday, July 06, 2014 1:11 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Interesting. Thanks.

Mel, K6KBE

On Sunday, July 6, 2014 7:27 AM, "Ed Simpson smilebuck@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

This comment reminded me about the SGC Stealth antenna booklet. This url will take you to a google search that displays several booklets on things you can do inside your home or even outside. Don't give up.

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Search Options Any time Past hour Past 24 hours Past week Past month Past year All results Verbatim About 293,000 results [PDF] Smartuners for Stealth Antennas ...

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Preview by Yahoo

Ed

W6EDD

From: "sea_brat2002@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, July 6, 2014 5:47 AM
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Here are more ideas from another group. Maybe try something inside.

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Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@...>
Content-Type: text/plain; charset=us-ascii

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Another friend loaded up the liner in his chimney, called a GutterTron.

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[Non-text portions of this message have been removed]

33118. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 00:59:32 UTC
From: KB3YRC
Topic: 33069 Message: 33118

Cut and Past wont work

House Bill 4969 wouyls require the FCC to amend Paer 97 Amature Service ruls to apply PRB-1 coverage to include home owners assoications deed restrictions contact your rep for support

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]
Sent: Sunday, July 06, 2014 8:46 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 06, 2014 1:11 PM
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Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

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<https://www.google.com/search?q=sgc+stealth+antenna <https://www.google.com/search?q=sgc+ stealth+antenna&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&cha nnel=sb> &ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> image

<https://www.google.com/search?q=sgc+stealth+antenna <https://www.google.com/search?q=sgc+ stealth+antenna&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&cha nnel=sb> &ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb> sgc stealth antenna - Google Search

Search Options Any time Past hour Past 24 hours Past week Past month Past year All results Verbatim About 293,000 results [PDF] Smartuners for Stealth Antennas ...

<https://www.google.com/search?q=sgc+stealth+antenna <https://www.google.com/search?q=sgc+stealth+antenna&ie=utf-8&oe=utf-8&aq=t&rls=org.mozilla:en-US:official&client=firefox-a&channel=sb>
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Preview by Yahoo

Ed

W6EDD

From: "sea_brat2002@... [ham-antennas] <mailto:sea_brat2002@...%20[ham-antennas]> "
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
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Here are more ideas from another group. Maybe try something inside.

Subject: Re: [Elecraft] A Good Antenna Length?
Message-ID: <8A483818-7CCB-4434-B7AF-890CEEAC7649@...>
Content-Type: text/plain; charset=us-ascii

On Jul 4, 2014, at 4:01 PM, Nr4c <nr4c@...> wrote:

I once worked a friend who'd just moved and was using a "GutterTron" ant in the CQWW. Yeah, the gutter and downspout fed against a ground-rod.

Another friend loaded up the liner in his chimney, called a GutterTron.

I worked all over the country on 10 and 15 meters recently using a large metal window frame (5' x 8' picture window) as the antenna. I used alligator clips directly from the KX3 to two spots on the frame, experimenting with spacing. This is not described in the literature, but it worked. The ATU tuned up the window frame to ~1.0:1 on 20-6 meters.

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

33119. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 01:22:05 UTC
From: hitekgearhead@...
Topic: 33110 Message: 33119

Tanks for the input thus far gentlemen.

Since the general opinion on the fence wire is negative, I have no problem using wire rope (cable). Upon further investigation, I think that the typical hardware store 1/8" or the 6x20 wire used for TV antennas should suffice. (Unless there are other objections)

The roof mount idea is not so bad but I live here in Florida in a single story house with a fairly low pitched roof. So starting at roof height doesn't get me too much. Plus I already have one of my 4' poles anchored in a 5 gallon bucket of concrete. I figure that will make a stable base.

The stand off I mentioned bolts to the side of the house and will stabilize the pole at about the 9' height. That and the concrete base should get me off to a good start.

The only other question that I am still unsure about is the guy wire that has to go in "direction 4" toward the house. I guess I could screw a block of wood to the roof and then install an eye screw into that. Along with a judicious application of roofing cement should be adequate to keep it waterproof.

Additional suggestions appreciated.

-Albert
KI4ORI

33120. Re: Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 01:49:47 UTC
From: Jeffrey Lord
Topic: 33110 Message: 33120

You appear to have trees all around your house , you could put up a non resonate loop , with open line feeder and a balun to the tuner.
Put the VHF / UHF on the pole and if you want to experiment , add a couple of pulleys under with a loop halyard to raise and lower antennas(wire) rope yes Dacron or cheap nylon and replace each year

Jeff
Vk4 fnrs

Sent from my iPhone

33121. Re: Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 11:17:48 UTC
From: radiomanl@...
Topic: 33110 Message: 33121

when using wire rope you have to be careful to avoid having resonant lengths .phillystran is a good guy line and being non conductive does not need to be be interrupted with ceramic insulators . should use a minimum of 2 guys . 3 is preferred , 33 degrees apart . DX engineering has an assortment of guy rings and cable .

kd5pnt

33122. lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 13:50:37 UTC
From: hitekgearhead@...
Topic: 33122 Message: 33122

In conjunction with my antenna mast/pole questions I also have questions regarding lightning arrestors. I am looking into a couple products from either Polyphasor or Alpha Delta. Those are fine for coax, but how does one go about protecting balanced line? Are there arrestors for 300 and 450 ohm line? Or do you just disconnect when not in use.

Thanks,
Albert
KI4ORI

33123. RE: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 14:09:23 UTC
From: Scott Myers
Topic: 33122 Message: 33123

Polyphasor or Alpha Delta are OK, but they have no static bleed. I'd recommend Array Solutions or Morgan Mfg. (took over ICE production) for coax arrestors.

Morgan Mfg makes a balanced line arrestor.

http://www.kf7p.com/KF7P/MorganMfg..html

Weather protect any of this type of arrestor.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 07, 2014 9:51 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] lightning arrestors

In conjunction with my antenna mast/pole questions I also have questions regarding lightning arrestors. I am looking into a couple products from either Polyphasor or Alpha Delta. Those are fine for coax, but how does one go about protecting balanced line? Are there arrestors for 300 and 450 ohm line? Or do you just disconnect when not in use.

Thanks,
Albert
KI4ORI

33124. RE: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 15:29:52 UTC
From: k2dfc@...
Topic: 33122 Message: 33124

Lightning arrestors are fine. But the only real protection is to totally disconnect your feed-lines when bad weather approaches. I never leave the house during thunderstorm season with antennas connected.

K2DFC

33125. Re: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 16:17:42 UTC
From: Chuck Schultz
Topic: 33122 Message: 33125

I am not so sure that the disconnect idea is the best policy . I
thought so years ago. I disconnected every thing and secured the ends
of the coax away from the station. I had a new tower and antenna
farm that had been up three days . On the very top at about 75ft. was
an Isopole for two meters. Boy! did it work good ! Lightning hit that
ungrounded radiator of the Isopole and came down the coax where it
jumped to a metal ash tray (yes that was prior to my lung surgery) and
then to a screw on the rotator box . Then things got interesting as
the AC lines were carrying the charge. Evey thing in the house that
happened to be on bit the bullet. Freezer, Reefer, all cable boxes and
TV's . My lawn sprinkler just happened to be on . I now only use
antennas that by design are DC grounded and never disconnect. This
subject will bring out many contrasting ideas , sort of like should you
or should you not solder the shield when installing a 259 connector .
Chuck wq5b
On 7/7/2014 10:29 AM, k2dfc@... [ham-antennas] wrote:
>
> Lightning arrestors are fine. But the only real protection is to
> totally disconnect your feed-lines when bad weather approaches. I
> never leave the house during thunderstorm season with antennas connected.
>
> K2DFC
>
>

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33126. Re: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 16:37:58 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33122 Message: 33126

I secure my cables OUTDOORS. That way, any wayward animal that happens to be on the porch might get toasty (wandering cats...) - but the zap will be away from indoors.

I lived in Florida for years, and did computer repairs for a living. Lightning season made payroll for most of the year. ($10k in damage to ONE location--- the connections between the server and all the workstations were ethernet..and it picked up a strike next door and basically popped every device on the net.

(A direct strike there is something that mutilates electronics totally.. but the network cable acted like an antenna and simply fried things. Hundreds of thousands of AMPS and millions of volts will produce a zap that will totally mess up everything.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Chuck Schultz wq5b@valornet.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, July 7, 2014 12:17 PM
Subject: Re: [ham-antennas] lightning arrestors

I am not so sure that the disconnect idea is the best policy . I
thought so years ago. I disconnected every thing and secured the
ends of the coax away from the station. I had a new tower and
antenna farm that had been up three days . On the very top at
about 75ft. was an Isopole for two meters. Boy! did it work good !
Lightning hit that ungrounded radiator of the Isopole and came down
the coax where it jumped to a metal ash tray (yes that was prior to
my lung surgery) and then to a screw on the rotator box . Then
things got interesting as the AC lines were carrying the charge.
Evey thing in the house that happened to be on bit the bullet.
Freezer, Reefer, all cable boxes and TV's . My lawn sprinkler just
happened to be on . I now only use antennas that by design are
DC grounded and never disconnect. This subject will bring out
many contrasting ideas , sort of like should you or should you not
solder the shield when installing a 259 connector . Chuck wq5b

On 7/7/2014 10:29 AM, k2dfc@... [ham-antennas] wrote:

>Lightning arrestors are fine. But the only real protection is to totally disconnect your feed-lines when bad weather approaches. I never leave the house during thunderstorm season with antennas connected.
>
>K2DFC

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33127. Re: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 16:41:07 UTC
From: Ron Youvan
Topic: 33122 Message: 33127

On 07/07/2014 12:17 PM, Chuck wq5b Schultz wq5b@...:

> I am not so sure that the disconnect idea is the best policy . I
> thought so years ago. I disconnected every thing and secured the ends
> of the coax away from the station. I had a new tower and antenna
> farm that had been up three days. On the very top at about 75ft. was
> an Isopole for two meters. Boy! did it work good ! Lightning hit that
> ungrounded radiator of the Isopole and came down the coax where it
> jumped to a metal ash tray (yes that was prior to my lung surgery) and
> then to a screw on the rotator box. Then things got interesting as
> the AC lines were carrying the charge. Evey thing in the house that
> happened to be on bit the bullet. Freezer, Reefer, all cable boxes and
> TV's . My lawn sprinkler just happened to be on.

Did you have the rotor control cable disconnected and away from your
equipment the time of the storm?
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33128. Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 16:46:19 UTC
From: Scott Myers
Topic: 33128 Message: 33128

I've had a nagging little ground loop problem in my shack since I built on a house addition that contains my shack 2 years ago and am now digging into the problem. I started by breaking down the shack entirely and starting over adding one thing back in at a time. I decided to really dissect the ground system and see what and if I can find anything. I've tried to make sure this newest shack is set-up properly. Yes, I've read W5BWC, W8JI, ARRL antenna book, Low Band DXing, etc., and I understand the NEC rules and am aware of proper grounding techniques. This is NOT the first shack I've set-up.

Describing the set-up: I've got a tower 170' from the house with a large cadwelded lighting rod ring about 20' across with 2/0 copper cables; 6 rods to tower legs with a 7th rod interconnected with the ring for the lightning arrestor system to bond to. All feed lines (7/8" hard line) and control lines goes inside conduits to house shack entrance. I've got the typical service entrance ground rod mechanically bonded to 6 gauge solid ground, which is about 20' in a direct line from the shack entrance. I've got an RF ground system under the concrete floor of the shack consisting of 7 rods; 6 in a 8' circle with one in the center. They are all interconnected in a star pattern by 2" wide solid copper strap that is welded to the tops of the rods. The central rod has a 2" strap that travels up the wall to the shack entrance. There is another 4 gauge bonding wire that travels outside the house to bond the service entrance to the shack entrance that is approximately 40 feet long after it zigzags around the side of the house. The only thing I have not installed is a house halo ground and a buried ground wire from tower to the shack entrance, which would require a total of 1,000 feet of 4 gauge solid ($900 at today's prices). Note the problem I'm about to describe would not be changed by installing those grounding sub-systems and would only further the lightning arrestor system.

This next part seems normal. I'm measuring up to 0.4 volt AC difference in potential from the neutral pin to the ground pin when loading up my dedicated ham shack outlet with my computer and my linear supply just idling when measured at the power strip close to the load. When it is not under load and all plugs are pulled out of the strip but the strip is still energized, it measures zero potential AC or DC. This seems normal. As I demand more current, I'm going to have some voltage drop between the plug and the panel down the neutral wire. And since I'm measuring it at a point some 40 feet down a wire from the panel, some voltage drop must occur. And as the load increases, I would expect to see more and more voltage difference between the neutral pin at the load and the ground pin at the load, which does happen when I bring in a few more items in and power them. I'm guessing I'm pulling perhaps 2 amps with the load I have going so that seems to jive with 40+ feet of 12 gauge solid.

Here is where it gets weird. When I un-bond my RF ground from the central ground point at the shack entrance, why can I see the same 0.4 volt differential voltage between ground pin in the supply cord at the load and the RF ground reference strap which is just a mere 20 feet from the service entrance ground rod? In addition, I see a .34 volt DC difference between these same two points. When I take this same line and remove all load from it and measure it's ground pin to the RF ground strap (again, un-bonded from the central point) I measure 0.6 volts AC and DC potential. I am having trouble wrapping my head around this. I'm beginning to wonder if my RF ground system was broken during construction and I'm floating the RF ground altogether and it is simply not in contact with the ground, so the reading I am seeing is floating stray voltage. It's one theory. Or possibly the ground resistance is plenty high enough between the two systems and what I am seeing is simply normal stray voltage. I've just never seen that kind of voltage potential difference so close on a building.

Maybe I'm missing something or doing something wrong. Or it's just normal, but it doesn't seem so to me. Normally, the RF ground will be bonded at the central point at the shack entrance and you could never measure this difference. I'm just examining all the details.

Thoughts? I'm baffled.

Note that the RF ground is under concrete and a galvanized steel reinforcing mesh. It touches the concrete and the strap that comes up the wall touches the concrete. The copper itself is not prone to this in concrete, but the galvanized steel mesh in close proximity to the tops of the rods is, as the copper could be acting as a cathode. But it would be between the rods and the mesh, would it not? I shouldn't cause a problem, but I thought I would mention it.

Scott AC8DE

33129. Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 17:22:29 UTC
From: jerrybosak@...
Topic: 33128 Message: 33129

I would talk to K3LR - He would have more experience in this line of field then most others. Putting a ground system underneath a concrete pad sounds weird to me.
Working in the electrical construction industry - with switch gear up to 500KV we normally just put down the grid and then cover it with a load of 2b gravel.
I would wonder what kind of galvanic corrosion it would cause with steel, copper, cement, galvanized steel and what ever else you have in your hodgepodge.
My question would be - why is the tower so far away from the shack?
Why not run a remote radio set up like the Kenwood TS 590 or 990 and have the radio right next to the tower in a separate radio shack?
My experience has been that if you are using a large amplifier into a non resonant antenna, using a tuner, that the rf gets into the computers and makes them to do weird things until finally they fail.
The large loss of voltage tells me that you have some kind of short somewhere in the loop.

33130. Re: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 17:27:38 UTC
From: Chuck Schultz
Topic: 33122 Message: 33130

Disconnected from the tower ...yes Plugged into the wall
.....yes That was the path from the ash tray to the house AC.
The ash tray looked as if someone had used it the learn how to strike an
arc. Chuck Wq5B
On 7/7/2014 11:41 AM, Ron Youvan ka4inm@... [ham-antennas] wrote:
>
> On 07/07/2014 12:17 PM, Chuck wq5b Schultz wq5b@...:
>
> > I am not so sure that the disconnect idea is the best policy . I
> > thought so years ago. I disconnected every thing and secured the ends
> > of the coax away from the station. I had a new tower and antenna
> > farm that had been up three days. On the very top at about 75ft. was
> > an Isopole for two meters. Boy! did it work good ! Lightning hit that
> > ungrounded radiator of the Isopole and came down the coax where it
> > jumped to a metal ash tray (yes that was prior to my lung surgery) and
> > then to a screw on the rotator box. Then things got interesting as
> > the AC lines were carrying the charge. Evey thing in the house that
> > happened to be on bit the bullet. Freezer, Reefer, all cable boxes and
> > TV's . My lawn sprinkler just happened to be on.
>
> Did you have the rotor control cable disconnected and away from your
> equipment the time of the storm?
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
>

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33131. Re: lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 17:31:54 UTC
From: jerrybosak@...
Topic: 33122 Message: 33131

Theory teaches us that in the world of lightning there is some simple steps that we take to ensure that we have minimum damage from electrical storms. In the grand scheme of things, your antenna farm is miniscule in size compared to the electrical grid in your neighborhood.
The only mistake you made was putting your 2 meter antenna at the top of the tower instead of side hanging it.
Most all lightning strikes comes in through the electrical service, not through the antenna. Unless you find the antenna laying on the ground - shattered into a million little pieces, lightning probably didn't directly hit the antenna causing the problem.
A dipole antenna, fed with ladder line is not to DC ground.
There is a multitude of different pass thru panels that can be used to run the wire through the wall or through the window that has terminals for ladder line.
The design is to ground everything before it comes into the shack, as is the Polyphaser.
Most professionally built radio sites runs on battery power, supplemented by a charging system using the commercial mains.
Get rid of the power supplies, convert to battery power, and most of your lightning issues will go away.
A more lightning prone area of the country might necessitate the use of multiple lightning arrest systems on the tower and feed line and station ground.

33132. Re: [ham-antennas] lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 17:32:46 UTC
From: k2dfc@...
Topic: 33122 Message: 33132

I didn't mean to just disconnect the cables and drop them near the radio. I have a feed through plate mounted in the garage where I pull the cables that run to the shack. Also, I think more lightning problems involve the AC lines then the antenna. I lost my entire station 2 years ago because of the power pole getting hit and and the surge getting into the ground side of the AC line. The antennas were fine. And a few items that were not grounded survived. So now I also unplug.

K2DFC

33133. Re: [ham-antennas] Re: lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 18:18:37 UTC
From: Chuck Schultz
Topic: 33122 Message: 33133

Jerry , You speak as one with experience . My two meter antenna had a word of caution I read later not to mount higher than 20ft. It was scattered all over the yard. I have taken another strike than came in on the wire.. That one made a bigger mess . I believe in Insurance & lost nothing . I recommend my approach to the possible problem. Chuck Wq5B

On 7/7/2014 12:31 PM, jerrybosak@... [ham-antennas] wrote:

>
> Theory teaches us that in the world of lightning there is some simple
> steps that we take to ensure that we have minimum damage from
> electrical storms.
>
> In the grand scheme of things, your antenna farm is miniscule in size
> compared to the electrical grid in your neighborhood.
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> your lightning issues will go away.
> A more lightning prone area of the country might necessitate the use
> of multiple lightning arrest systems on the tower and feed line and
> station ground.
>

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33134. RE: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 18:40:18 UTC
From: Scott Myers
Topic: 33128 Message: 33134

I've tried to e-mail K3LR on a couple of occasions and he never answered me. I figured he is too busy. But I haven't tried recently.

I put the RF ground system under the concrete pad because it is as close to the centralized ground point as one could possibly do and yet not interfere with the grading and outside work while I was doing the home addition. Yes, it sounds unusual, but it really isn't that unusual. It's just not common because hams rarely have such an opportunity to do it during a home construction phase. But the concerns with galvanic action with the steel and zinc are certainly quite valid. Copper itself is immune, but if within a few inches to steel it is a problem. In retrospect, I simply should have waited for the grading to be complete and done it outside the wall. It would have only added 2 feet to the ground run. I could still do that now and abandon the original RF system. Would cost me a couple hundred or so and some time is all. But if it turns out the current system isn't a problem, then there is no need make the change.

The tower is far from the shack because it is a big self supporting tower and had to meet zoning codes. It is not unusual for a tower to be away from a house. Guys with multiple tower (like K3LR) have many towers away from their house. (Guys like K3LR also have BIG ham radio budgets.) A separate radio shack is a nice thought, but not very practical from a cost and maintenance standpoint. It has to have its own power, HVAC, foundation, etc. Lots of $$. And then you still have ground bonding issue than one does in the house, so it doesn't solve anything in that area. All my antennas are resonant... and far from the shack. RF in the shack isn't a problem at all.

My ground loop issue that I mentioned rears its head in the form of the PWM from my Green Heron controller getting into the local audio in the shack (not on the air). I have figured out how to solve the problem. I am just tryign to wrap my head around the ground potential difference in this short distance.

I'm not sure what you mean by a "large loss of voltage". I'm only talking milliamps. More of a ground potential thing. Perhaps I am misunderstanding what you mean.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 07, 2014 1:22 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

I would talk to K3LR - He would have more experience in this line of field then most others.

Putting a ground system underneath a concrete pad sounds weird to me.

Working in the electrical construction industry - with switch gear up to 500KV we normally just put down the grid and then cover it with a load of 2b gravel.

I would wonder what kind of galvanic corrosion it would cause with steel, copper, cement, galvanized steel and what ever else you have in your hodgepodge.

My question would be - why is the tower so far away from the shack?

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My experience has been that if you are using a large amplifier into a non resonant antenna, using a tuner, that the rf gets into the computers and makes them to do weird things until finally they fail.

The large loss of voltage tells me that you have some kind of short somewhere in the loop.

33135. Re: Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 21:58:39 UTC
From: Jeffrey Lord
Topic: 33110 Message: 33135

Check in the ceiling for where the roof beams are or the ridge beam and fasten into either of these for the 4 the guy wire
Have you considered the loop antenna
Mine tunes from 80 to 10 meters with a MFJ manual tuner

Jeff
Vk4fnrs

Sent from my iPhone

33136. RE: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 22:14:36 UTC
From: radiomanl@...
Topic: 33128 Message: 33136

looks like you may have multiple ground points that are not connected together . all ground connections should be made to a single ground rod . if you have more than one it's likely there is a voltage difference between them . do not daisy chain them ,
multiples should all be bonded together with a heavy cable like welding cable or a heavy braid that is clamped .
do not solder , a lightning strike will generate enough heat to melt the soldered connection .

33137. Re: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 22:28:37 UTC
From: Bill Collister
Topic: 33128 Message: 33137

On 7/7/2014 4:14 PM, radiomanl@... [ham-antennas] wrote:
>
> looks like you may have multiple ground points that are not connected
> together . all ground connections should be made to a single ground
> rod . if you have more than one it's likely there is a voltage
> difference between them . do not daisy chain them ,
> multiples should all be bonded together with a heavy cable like
> welding cable or a heavy braid that is clamped .
> do not solder , a lightning strike will generate enough heat to melt
> the soldered connection .
>
>
National Electric Code (NEC) now requires a method, i.e. Cadweld, etc.,
for connections in a grounding system. Clamping is considered
temporary. Soldering has not been allowed for many moons for AC ckts.
Please investigate and be safe!
Bill
N7MOG

33138. Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 22:29:41 UTC
From: radiomanl@...
Topic: 33128 Message: 33138

another thought . there could be some defective line bypass capacitors in the equipment . recently have had some failures of them putting the full line voltage on the ungrounded chassis . I have older equipment that has standard .01 mfd 600 vdc paper caps for that purpose . there are better caps now that are designed for use in AC circuits . .

kd5pnt

33139. RE: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 23:38:13 UTC
From: Scott Myers
Topic: 33128 Message: 33139

I have made progress on this subject. Turns out my ground system is fine, but I was able to make one point lower impedance by moving a connection point 2 feet. I did find fault with a switching supply and have replaced it. But thank you to those that commented.

Comments:

> From KD5PNT - "looks like you may have multiple ground points that are not connected together . all ground connections should be made to a single ground rod"

And all ground connections cannot be to a single ground rod as that would not meet NEC or pass inspection. I has to have a service entrance ground, lightning ground and RF ground, although the inspectors here do not care about the RF ground. There are many references to read on that subject. A complete high power station is going to consist of three ground systems, all bonded together in a proper manner. This has been tested very thoroughly loaded and unloaded and is not the problem.

> From Bill N7MOG - "National Electric Code (NEC) now requires a method, i.e. Cadweld, etc., for connections in a grounding system. Clamping is considered temporary."

Lightning grounds are all cadweld into 2/0 cable as is done with commercial installations. Service entrance ground is clam. Cadweld would be better, but it measures OK in resistance. This was still OK here in Ohio 2 years ago when it was installed and was inspected. The RF ground is all welded as well, but is hand brazed as it is copper rod on capper strap, which could not be cadwelded. Good safety reminders Bill. But that too wasn't the problem.

>From KD5PNT - " there could be some defective line bypass capacitors in the equipment"
Based upon further testing tonight, this appears to be where it is heading. The final part of the problem is PVM leaking into the audio system when the rotator controller is ramping. The problem goes away when I run the controller on a battery/inverter. I've got more detective work to do with this.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 07, 2014 6:30 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Ground Voltage Potential - EE's please comment

another thought . there could be some defective line bypass capacitors in the equipment . recently have had some failures of them putting the full line voltage on the ungrounded chassis . I have older equipment that has standard .01 mfd 600 vdc paper caps for that purpose . there are better caps now that are designed for use in AC circuits . .

kd5pnt

33140. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 23:47:03 UTC
From: jerrybosak@...
Topic: 33069 Message: 33140

The natural progression in amateur radio is to start out small, grow your shack with your budget and then go all out when you retire or hit the lotto.
Then when you get old, downsize to just what you must have to get on the air and eventually move into a rest home and loose all privileges except your handheld or mobile dual band UHF / VHF.

Unfortunately as buddy clubs progresses, more older people tends to migrate up to 160 and 75 meters.
I don't understand the fascination with nets and buddy clubs - but that is just my observations.

There is no law that demands that a rest home accommodates any individual when it comes to operating amateur radios and transmitters.
The two most logical solutions is to find a rest home that already has an established amateur radio community within - with their own antenna's and radios.
Or - relent and accept the fact that amateur radio usually is not wanted in a rest home environment.

Having people with pacemakers and electronic devices in use to keep people alive might be interfered with - with a radio transmitter and antenna in close proximity.

Many hams that operates 40 / 80 meters tends to have their amplifier hard wired to their light switch in their shack and they believe that they cannot operate unless they have 600 - a couple of thousand watts to get their signal out.

If there was enough room, it would be possible to put up an off-center fed dipole that would be resonant from 440 MHz to 80 meters - but you would need at least 140' of area and would have to have it at least 20' off the ground. Hy Power Antenna Company - is one source for reliable equipment.

The second thought would be to install a Hustler 5BVT and plenty of ground radials.

Third thought would be to install a 80 meter vertical antenna..
I saw a vendor a couple of times at the Butler Hamfest, but I cannot remember the name of the company.

The only other option is to move....

33141. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-07 23:47:59 UTC
From: jerrybosak@...
Topic: 33069 Message: 33141

MOST ELDERLY HAMS ARE NOT COMPUTER LITERATE.

33142. Re: lightning arrestors

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 00:15:56 UTC
From: jerrybosak@...
Topic: 33122 Message: 33142

My location is at 1400' AMSL, the average terrain at my location is approximately 1450' amsl.
I have 10 antenna's in my small lot - 50' x 150'.
One tower - 30' with a Solorcon A99 mounted at the top - 38'.
Below that is a home brew 6 element - two meter beam.
Below that is a 6 meter dipole antenna, can also be used on 10 meters.
Below that is a Diamond Discone that I reworked to operate 2 meters with less than 1.5:1 VSWR and 440 - 460 almost flat 1:1....
Below that is a jib boom with a Off-center fed dipole antenna.

On the main roof of the house there is a Diamond V2000 at 36' and below that is a jib boom with a Barker & Williamson BWD 90 - folded dipole...
On the shed roof there is a Antenna's Direct XG 91 and a Winegard 8200U...

My shack has never been struck by lightning..
I however have been struck while walking down the sidewalk as a child.

Having access to equipment used in the electrical construction industry - Siemens, I have everything bonded, but don't have the Polyphasers in place due to a limited budget - waiting to get a hole dug and cement poured for the 40' tower - which will replace the 30' tower.
The 30' tower is just standing on its tilt plate with some rebar pounded into the ground about 3'....
Most antenna's are fed with Belden 9913F7, although I am going to replace some of that with LMR 400 in the future.

Having worked previously in the tower climbing / construction industry - I have seen lot's of improperly installed antenna's and stuff laying on the ground that should have been in the air.

The best ones are the Diamond X510 which always seems to get struck by lightning...

33143. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 01:32:54 UTC
From: Original Woodchuck
Topic: 33069 Message: 33143

On Mon, Jul 07, 2014 at 04:47:59PM -0700, jerrybosak@... [ham-antennas] wrote:
> MOST ELDERLY HAMS ARE NOT COMPUTER LITERATE.

NOR ARE MOST YOUNG ONES.

Dave AB3NR

33144. Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 03:59:11 UTC
From: Geoff NW7GM
Topic: 33110 Message: 33144

This is what I am using for my antenna support line, I'm sure it would work for guy lines for a mast.

https://goodwinds.com/57505.html

On Sunday, July 6, 2014, 'Richard Schmuke' rdj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
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>
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> cable. The direction with the acute would have to be the direction with the
> least wind load. Here in the middle of Missouri we have high loads from the
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> fence wire as guys? Since I am not supporting much I figure it would be a
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> and the top of an inverted L.
>
> Thanks,
> Albert
> KI4ORI
>
> [Non-text portions of this message have been removed]
>
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> Posted by: "Richard Schmuke" <rdj@...
> <javascript:_e(%7B%7D,'cvml','rdj@...');>>
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Geoff, NW7GM
Seattle, WA
CN87tr

33145. Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 04:01:37 UTC
From: Geoff NW7GM
Topic: 33110 Message: 33145

And here is the price for 1000 feet of the stuff

https://goodwinds.com/57506.html

On Monday, July 7, 2014, Geoff NW7GM <geoff.nw7gm@...> wrote:

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> https://goodwinds.com/57505.html
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>> Use Dacron not nylon ropes. Nylon is very susceptible to UV damage.
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>> James "Jim" M. Geidl, K6JMG
>> D.B. Cooper, you have a message.
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>> Sent: Sunday, July 06, 2014 1:39 PM
>> To: ham-antennas@yahoogroups.com
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> Geoff, NW7GM
> Seattle, WA
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>
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--
Geoff, NW7GM
Seattle, WA
CN87tr

33146. Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 04:22:43 UTC
From: Robert Ahrens
Topic: 33110 Message: 33146

Dacron Kite String... who'd a thunk? I have used 3/16" Dacron Rope for years without a failure, but as I recall, it was a bit pricey. 500# test should do the job, and 500' for 20 $US sounds great! And at less than 1/8" diameter, it should be nearly invisible from 50' away!

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33147. Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 04:23:43 UTC
From: Geoff NW7GM
Topic: 33110 Message: 33147

They also have kevlar kite string for sale as well.

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>>> roof
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>>> Thanks,
>>> Albert
>>> KI4ORI
>>>
>>> [Non-text portions of this message have been removed]
>>>
>>> ---
>>> Posted by: "Richard Schmuke" <rdj@wildblue.net>
>>> ---
>>>
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>>> ----------
>>>
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>>> [Non-text portions of this message have been removed]
>>>
>>>
>>
>> --
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33148. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 13:32:40 UTC
From: Scott Myers
Topic: 33110 Message: 33148

Kevlar breaks down in UV, Dacron does not. Keep that in mind.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 08, 2014 12:24 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Putting up mast/pole. Need some suggestions

They also have kevlar kite string for sale as well.

On Monday, July 7, 2014, Robert Ahrens robertahrens52@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

Dacron Kite String... who'd a thunk? I have used 3/16" Dacron Rope for years without a failure, but as I recall, it was a bit pricey. 500# test should do the job, and 500' for 20 $US sounds great! And at less than 1/8" diameter, it should be nearly invisible from 50' away!

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<ham-antennas@yahoogroups.com> wrote:

This is what I am using for my antenna support line, I'm sure it would work for guy lines for a mast.

https://goodwinds.com/57505.html

On Sunday, July 6, 2014, 'Richard Schmuke' rdj@... [ham-antennas]
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Polypropylene rope is common , cheap and very susceptible to UV damage.
Nylon is listed as UV damage resistant as per US rope and cable ,

(http://www.us-rope-cable.com/rope.html) and easier to find at a local
store than Dacron. Dacron can always be ordered. I use nylon for dipole and
loop antenna support thru pulleys and steel for guys on my mast.

Rich Kd0zz.

Use Dacron not nylon ropes. Nylon is very susceptible to UV damage.

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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Subject: RE: [ham-antennas] Putting up mast/pole. Need some suggestions

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Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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To: ham-antennas@yahoogroups.com
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KI4ORI

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Posted by: "Richard Schmuke" <rdj@...>

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Yahoo Groups Links

[Non-text portions of this message have been removed]

--

Geoff, NW7GM
Seattle, WA
CN87tr

--

Geoff, NW7GM
Seattle, WA
CN87tr

33149. Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 13:46:04 UTC
From: Jim Innis
Topic: 33110 Message: 33149

Have a guyed Gap Titan DX vertical that has been guyed with Dacron. Put
up in 1999, still there, still guyed with same Dacron.

Jim, K5SP
On 7/8/2014 8:32 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:
>
> Kevlar breaks down in UV, Dacron does not. Keep that in mind.
>
> Scott AC8DE
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Tuesday, July 08, 2014 12:24 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Putting up mast/pole. Need some suggestions
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> This is what I am using for my antenna support line, I'm sure it
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> Sent: Sunday, July 06, 2014 1:39 PM
> To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
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> least wind load. Here in the middle of Missouri we have high loads
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>
> Rich, Kd0zz
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> Sent: Sunday, July 06, 2014 10:55 AM
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> Subject: [ham-antennas] Putting up mast/pole. Need some suggestions

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> Thanks,
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> Posted by: "Richard Schmuke" <rdj@...
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> Seattle, WA
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33150. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 17:03:08 UTC
From: jim burns
Topic: 33110 Message: 33150

I'm putting up a SW receive antenna with 80# monofilament fishing line from Walmart. It is nearly invisible from 50' and you have to look hard to see it.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 08, 2014 12:23 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Putting up mast/pole. Need some suggestions

Dacron Kite String... who'd a thunk? I have used 3/16" Dacron Rope for years without a failure, but as I recall, it was a bit pricey. 500# test should do the job, and 500' for 20 $US sounds great! And at less than 1/8" diameter, it should be nearly invisible from 50' away!

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https://goodwinds.com/57505.html

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Rich Kd0zz.

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James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

-----Original Message-----
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To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Putting up mast/pole. Need some suggestions

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Rich, Kd0zz

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Thanks,
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Posted by: "Richard Schmuke" <rdj@...>

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Seattle, WA
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33151. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 17:04:31 UTC
From: jim burns
Topic: 33110 Message: 33151

How UV resistant is monofilament fishing line? Brand is Eagle Claw.

Jim, WB4ILP

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[Non-text portions of this message have been removed]

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Seattle, WA
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Geoff, NW7GM
Seattle, WA
CN87tr

33152. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-08 23:36:32 UTC
From: jerrybosak@...
Topic: 33069 Message: 33152

I don't know how you figure that one Dave.

Computers today are taught in Elementary school. Most school students are at par with what is being taught at the college level today.

It's the old people with the set in their ways attitudes that refuses to learn and refuses to change that holds the hobby back...

Young people has cell phones, that is basically a digital wireless device.
Any 5 year old child can run rings around even a 70 year old EE...

Young people also understands things called APS - Applications, and they are not afraid to buy one if it will help them out.

In the near future tower computers will become obsolete - only used for business applications and the lap top computer will follow. The Ipads and Ipods type devices - using Cloud Storage will over take anything we have today.,
We will be able to send digital messages - FLDIGI in the near future using nothing more then a cell phone, a sound card interface and a working HF radio.
A really intelligent person would probably go so far as to predict that it will also go wireless and use some type of BlueTooth type device - but I am showing my hand on that one by giving out idea's that people will be willing to pay for in the future.

It's the old persons attitude that you don't need to buy radios and you can use a handheld walkie talkie that gets us into trouble. When we reduce amateur radio to the use of FM repeaters and handheld radios - just because they are cheap and resemble a cell phone and just because there is no other investment with a walkie talkie - we give the impression that this is all that we do. What ever goes on - on the one local repeater that they can hit - is what goes on - on all repeaters all over the country.

When someone shows these people even what a simple 50 watt dual band mobile and a good piece of coax and a efficient antenna installed properly can do - they shy away from the hobby, because they were under the impression that it wasn't going to cost them much or anything to get on the air and the more equipment they have to buy, the less they want to get into the hobby.

Compound that with old hams that wants to sell their old radio equipment to them at a premium price, when most wireless electronic devices depreciates on a much faster scale then other consumer goods.
If the used equipment is non existent, or costs as much as new equipment, most people will not spend the money to upgrade to something better and will quickly leave the hobby as fast as they got into it.

---In ham-antennas@yahoogroups.com, <marmota@...> wrote :

On Mon, Jul 07, 2014 at 04:47:59PM -0700, jerrybosak@... mailto:jerrybosak@...
[ham-antennas] wrote:
> MOST ELDERLY HAMS ARE NOT COMPUTER LITERATE.

NOR ARE MOST YOUNG ONES.

Dave AB3NR

33153. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 00:44:33 UTC
From: Mel Farrer
Topic: 33069 Message: 33153

WOW, some how this thread got completely off MY question.

OK, I will level the field a little. NONE of the modern technology was around IN MY TIME so we invented the next level. BUT we had the advantage of all of the learning of the earlier pioneers in electronics/radio. Those are the ones who had none of the modern stuff and figured it out individually. SO, What is different now? AND, how does that address my question about a new challenge in a rest home.....

Here goes from my soap box:

1. The children/adults today are given machines that do all of the manual work of connecting to the needs at hand and the outer world.
    Did you have to learn add,, subtract, multiple, and divide, on paper? The modern method is use the calculator, the result is the cashiercan't count out your change!!!!! Worse, they don't know how to do it manually.....Lost ability.

2. The children today do not know what components are used in the electronic devices they use. They just are not introduced into the real world of physics. Takes too much time and effort and they are easily distracted.

3. The current generation is a bridge from us old farts and the want to be better.., but don't know how.....
4. Some where along the line we sidetracked the learning experience of the fundamentals to one of instant solution without knowing how it is achieved.

5. So we have a generation of people that know what they want, don't have the background to figure it out, and blame those who don't just give them the answer.

6. The lucky ones are in schools that still have roots in basic learning skills.
7. The rest just don't care and don't exactly know where to go for help. God help us all.

Bottom line in this thread, and I wish the moderator to stop it after my entry. This question was a simple one of asking comments on a restricted antenna installation for a old ham. Nothing elaborate. Nothing hard to construct, remember the limitations of the land lord. Something simple. Thank you all for the contributions on that approach. I will get him a outside antenna. Maybe not the best, but one that satisfy his needs and the restrictions of the land lord.

Please in the future stay focused on the original question. Cheers.

Mel, K6KBE

On Tuesday, July 8, 2014 4:36 PM, "jerrybosak@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I don't know how you figure that one Dave.

Computers today are taught in Elementary school. Most school students are at par with what is being taught at the college level today.

It's the old people with the set in their ways attitudes that refuses to learn and refuses to change that holds the hobby back...

Young people has cell phones, that is basically a digital wireless device.
Any 5 year old child can run rings around even a 70 year old EE...

Young people also understands things called APS - Applications, and they are not afraid to buy one if it will help them out.

In the near future tower computers will become obsolete - only used for business applications and the lap top computer will follow. The Ipads and Ipods type devices - using Cloud Storage will over take anything we have today.,
We will be able to send digital messages - FLDIGI in the near future using nothing more then a cell phone, a sound card interface and a working HF radio.
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Compound that with old hams that wants to sell their old radio equipment to them at a premium price, when most wireless electronic devices depreciates on a much faster scale then other consumer goods.
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Dave AB3NR

33154. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 00:57:51 UTC
From: Michael Lodico
Topic: 33069 Message: 33154

Hi Mel,

As one of the old farts that has had to make the transition I want to say well worded. I commend your efforts to keep an old ham still on the air. Just because people get older and may need help with their daily living should not mean that they should have to give up all that they have enjoyed throughout their lives. Please keep us informed of the final solution to keep him on the air as this could help many of us down the road of life.

73 de K1EG

Mike

P.S. I ask them what would they do if they had no power and no calculator and usually it is the deer in the headlights response…LOL

WOW, some how this thread got completely off MY question.

OK, I will level the field a little. NONE of the modern technology was around IN MY TIME so we invented the next level. BUT we had the advantage of all of the learning of the earlier pioneers in electronics/radio. Those are the ones who had none of the modern stuff and figured it out individually. SO, What is different now? AND, how does that address my question about a new challenge in a rest home.....

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Please in the future stay focused on the original question. Cheers.

Mel, K6KBE

.

<http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/msgId=33153/stime=1404866674>
<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322279&js=no&resp=img>

33155. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 01:14:24 UTC
From: Paul V Birke PEng
Topic: 33069 Message: 33155

none of these kids wants to but in the requisite 10,000 hours to know anything !!
p

On Tuesday, July 8, 2014 8:44:36 PM, "Mel Farrer farrerfolks@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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Mel, K6KBE

On Tuesday, July 8, 2014 4:36 PM, "jerrybosak@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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---In ham-antennas@yahoogroups.com, <marmota@...> wrote :

On Mon, Jul 07, 2014 at 04:47:59PM -0700, jerrybosak@... [ham-antennas] wrote:

> MOST ELDERLY HAMS ARE NOT COMPUTER LITERATE.
>

>NOR ARE MOST YOUNG ONES.

Dave AB3NR

33156. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 01:15:55 UTC
From: Paul V Birke PEng
Topic: 33069 Message: 33156

heck, on second thought, neither 1,000, 100 or even 10 hours !!
p

On Tuesday, July 8, 2014 9:14:27 PM, "Paul V Birke PEng nonlinear@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

none of these kids wants to but in the requisite 10,000 hours to know anything !!
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On Tuesday, July 8, 2014 8:44:36 PM, "Mel Farrer farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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Please in the future stay focused on the original question. Cheers.

Mel, K6KBE

On Tuesday, July 8, 2014 4:36 PM, "jerrybosak@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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On Mon, Jul 07, 2014 at 04:47:59PM -0700, jerrybosak@... [ham-antennas] wrote:

> MOST ELDERLY HAMS ARE NOT COMPUTER LITERATE.
>
>NOR ARE MOST YOUNG ONES.

Dave AB3NR

33157. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 02:11:26 UTC
From: Original Woodchuck
Topic: 33069 Message: 33157

On Tue, Jul 08, 2014 at 04:36:32PM -0700, jerrybosak@... [ham-antennas] wrote:
> I don't know how you figure that one Dave.
>
> Computers today are taught in Elementary school. Most school students are at par with what is being taught at the college level today.

(And it got stranger still after this odd assertion.)

Better let this thread fizzle out.

Nonetheless I am ready, in my 67th summer, to meet any five year old in single combat with a text editor and a compiler. The test will be /writing/ not /using/ some application.

Dave AB3NR

33158. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 05:55:42 UTC
From: Michael Lodico
Topic: 33069 Message: 33158

OK, I will level the field a little. NONE of the modern technology was around IN MY TIME so we invented the next level. BUT we had the advantage of all of the learning of the earlier pioneers in electronics/radio. Those are the ones who had none of the modern stuff and figured it out individually. SO, What is different now? AND, how does that address my question about a new challenge in a rest home.....

.

<http://geo.yahoo.com/serv?s=97359714/grpId=12304712/grpspId=1705063108/msgId=33153/stime=1404866674>
<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322279&js=no&resp=img> Hi Mel,

I gave some thought to your question and mentioned it on our nightly net and one of our local hams had an idea. If clubs that have club stations used rigs like the K3 or Flex Radios or similar then with internet access the member that ends up in a situation like that could use a remote radio with the internet to get on the air. I thought this was a great idea that radio clubs should explore for their members. Just my .002 cents (adjusted for inflation).

73 de K1EG

Mike

33159. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 12:17:39 UTC
From: jerrybosak@...
Topic: 33069 Message: 33159

You are just like my two IT instructors at Penn State. The one - wanted me to learn C++ and the other was teaching HTML / HTML5..
The problem with this type of mentality is that it teaches data input, but it doesn't teach practical application - using a APP is much smarter than manually writing each line of code - CSS 9 Cascading Style Sheets) for those that does not understand what I am talking about.
Modern web pages - like what you are looking at right here - uses script, HTML - writing everything one line at a time and laying out the page manually and hoping that it is acceptable from one web browser to another - is not the right way to be productive.

As others has said, the Club is the key to amateur radio for most people.
Having a remote link that would allow you to use club equipment from a remote location would be a prime example on how to solve your radio issues.

Kenwood has a program for their TS 590S radio, as does Elecraft and others.

At one time K3WS - Tom, allowed club members (Cambria Radio club) to use his equipment remotely, but most of them could not comprehend the complexities of how to operate it, and Tom was using a non resonant antenna and an amplifier and his friends burned up his radio equipment. Maybe you could email Tom and he could give you some suggestions on how to build a station for this gentleman at your home and work it remotely from the rest home.

The solution to your problem is to use a resonant antenna.

Regardless of the height of the antenna, it must be resonant.

As with most antenna problems, I offer the same solution - the HY Power / off-center fed 80 meter dipole.
You will need about 150' of area, it does not matter if you put it up in a straight line or run it zig zag or a box configuration, as long as you get it up in the air as high as possible. I would recommend at least 10' off the ground .

http://www.hypowerantenna.com/products/off-center-fed-antenna
http://www.hypowerantenna.com/products/off-center-fed-antenna

33160. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 13:15:55 UTC
From: farrerfolks@...
Topic: 33069 Message: 33160

Good thought. Worth investigating everywhere. All they would need then is a laptop and headset. Hummmm.
But then, being old school, there is nothing like twisting knobs. Thanks.

Mel, K6KBE

33161. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 15:09:27 UTC
From: Michael Lodico
Topic: 33069 Message: 33161

Hi Mel,

That was why I mentioned the K3 they have what I call a dummy version of the K3 that looks exactly like a true K3 but has no guts in it other than the internet required components. It has the look and feel of operating a K3 but does it remotely through the internet. There are several large contest stations that are selling this service now to people that don't have mega stations, but it is for people with more money than brains because it is very expensive monthly. Some I have seen are $99 a month and 0.15 cents a minute, but if radio clubs planned for the future their members could reap the benefit.

73 de K1EG

Mike

Good thought. Worth investigating everywhere. All they would need then is a laptop and headset. Hummmm.
But then, being old school, there is nothing like twisting knobs. Thanks.

Mel, K6KBE

33162. AP6012J50 1/2" hardline

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 17:38:45 UTC
From: Richard Graves
Topic: 33162 Message: 33162

All,

I might have just inherited a 1000' spool of AP6012J50 1/2" 50-Ohm hardline. Since I don't have an antenna farm currently and can only deploy low visibility antennas close to my house (stinking hoa), does anyone have any interest in something like this? Or should I just store it in my garage until I can buy a place that will let me put up a tower?

Thanks,

-Richard, AA4IO (former KK4JDO)
SKCC Life Member #9570 <http://www.skccgroup.com>
North American QRP CW Club #6178 <http://www.naqcc.info>
http://hamprojects.blogspot.com

33163. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 18:05:51 UTC
From: Mel Farrer
Topic: 33069 Message: 33163

Thanks Mike. Good possibility. Will look into it.

Mel, K6KBE

On Wednesday, July 9, 2014 8:09 AM, "'Michael Lodico' k1eg@matrix-computers.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi Mel,

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Mike

Good thought. Worth investigating everywhere. All they would need then is a laptop and headset. Hummmm.
But then, being old school, there is nothing like twisting knobs. Thanks.

Mel, K6KBE

33164. Re: [ham-antennas] AP6012J50 1/2" hardline

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 18:48:05 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33162 Message: 33164

Number 1 - Considering using a few feet of the hardline for a magloop antenna. They are small - highly resonant.. and disguisable as things like plant supports and the like...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Richard Graves rgraves@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Wednesday, July 9, 2014 1:38 PM
Subject: [ham-antennas] AP6012J50 1/2" hardline

All,

I might have just inherited a 1000' spool of AP6012J50 1/2" 50-Ohm hardline. Since I don't have an antenna farm currently and can only deploy low visibility antennas close to my house (stinking hoa), does anyone have any interest in something like this? Or should I just store it in my garage until I can buy a place that will let me put up a tower?

Thanks,

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SKCC Life Member #9570
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33165. RE: [ham-antennas] AP6012J50 1/2" hardline

Yahoo group: ham-antennas (2014)
Date: 2014-07-09 23:14:10 UTC
From: Michael D Earls
Topic: 33162 Message: 33165

Fortuitous timing

http://www.eham.net/classifieds/detail/442700

We need about 1,000 feet (2 -500') of hardline for a new repeater install.
We need new or very gently used hardline.

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 09, 2014 12:39 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] AP6012J50 1/2" hardline

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-Richard, AA4IO (former KK4JDO)
SKCC Life Member #9570 <http://www.skccgroup.com>
North American QRP CW Club #6178 <http://www.naqcc.info>
http://hamprojects.blogspot.com <http://hamprojects.blogspot.com/>

33166. which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 14:41:13 UTC
From: ve3pie@...
Topic: 33166 Message: 33166

I am having RFI problems with my TV, sub-woofer, alarm system, and smoke detectors. I have been doing a lot of reading on how to wind chokes around various ferrite cores.
The main companies I see referred to are:
Fair-Rite
Amidon
DX-Engineering (Comtek chokes)
Palomar Engineers
ky-filters for telephones

the snap on type would be easiest for me. Are they as good as the non-snap-on type ?
I need to cover 80-10 meters. Should I select #31 ferrite material. Some articles refer to #43 ferrite material but as I understand it, is not as good for 40-80 meters.
I need some chokes for my RG-8 sized coax, and for some RG-8X sized coax, and for audio cables, and for 120vac power cords.

I need some concrete specific suggestions as to what to buy and from which company
thanks for your help - anyone please .
Fred VE3PIE

33167. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 14:48:55 UTC
From: Jim Atkins
Topic: 33166 Message: 33167

Fred, check out Jim Brown’s article on RFI. He knows what he is talking about. 73

http://k9yc.com/RFI-Ham.pdf

Jim W4UX

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, July 10, 2014 10:41 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] which ferrite cores do I buy for my RFI ?

I am having RFI problems with my TV, sub-woofer, alarm system, and smoke detectors. I have been doing a lot of reading on how to wind chokes around various ferrite cores.

The main companies I see referred to are:

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Palomar Engineers

ky-filters for telephones

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I need to cover 80-10 meters. Should I select #31 ferrite material. Some articles refer to #43 ferrite material but as I understand it, is not as good for 40-80 meters.

I need some chokes for my RG-8 sized coax, and for some RG-8X sized coax, and for audio cables, and for 120vac power cords.

I need some concrete specific suggestions as to what to buy and from which company

thanks for your help - anyone please .

Fred VE3PIE

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33168. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 15:03:46 UTC
From: Ron Youvan
Topic: 33166 Message: 33168

wrote: Fred VE3PIE ve3pie@...:

> I am having RFI problems with my TV, sub-woofer, alarm system, and smoke
> detectors. I have been doing a lot of reading on how to wind chokes
> around various ferrite cores.
/*snip*/
> I need some chokes for my RG-8 sized coax, and for some RG-8X sized
> coax, and for audio cables, and for 120vac power cords.

> thanks for your help - anyone please .

You asked for it;

You need to think about putting the ferrite choking devices on the
appliance's power and signal cords, not on your coaxes. *
You are probably experiencing overload from to great a signal level at
the appliances, moving your antennas up could also help.
* unless you have a lot of R.F energy on the outside of your coax/s
then you need to add balun/s.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33169. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 15:17:54 UTC
From: John Molenda
Topic: 33166 Message: 33169

31 for rfi John kb2huk
On 7/10/2014 9:48 AM, 'Jim Atkins' w4ux@... [ham-antennas] wrote:
>
> Fred, check out Jim Brown’s article on RFI. He knows what he is
> talking about. 73
> http://k9yc.com/RFI-Ham.pdf
> Jim W4UX
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Thursday, July 10, 2014 10:41 AM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] which ferrite cores do I buy for my RFI ?
>
> I am having RFI problems with my TV, sub-woofer, alarm system, and
> smoke detectors. I have been doing a lot of reading on how to wind
> chokes around various ferrite cores.
>
> The main companies I see referred to are:
>
> Fair-Rite
>
> Amidon
>
> DX-Engineering (Comtek chokes)
>
> Palomar Engineers
>
> ky-filters for telephones
>
>
> the snap on type would be easiest for me. Are they as good as the
> non-snap-on type ?
> I need to cover 80-10 meters. Should I select #31 ferrite material.
> Some articles refer to #43 ferrite material but as I understand it, is
> not as good for 40-80 meters.
>
> I need some chokes for my RG-8 sized coax, and for some RG-8X sized
> coax, and for audio cables, and for 120vac power cords.
>
>
> I need some concrete specific suggestions as to what to buy and from
> which company
>
> thanks for your help - anyone please .
>
> Fred VE3PIE

>
>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

33170. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 16:38:55 UTC
From: w6jhb@...
Topic: 33166 Message: 33170

Fred - you didn't mention what type of antenna system you have or how much power you are running.

A few years ago I was running a barefoot Elecraft K3 at 100 watts into a ground mounted Hustler 5BTV (vertical) with 40 various length radials. No RFI of any sort. When I put in a 500 watt linear, things got ugly. Our house alarm system (21 years old, wired) squeaked at me, the timer on the kitchen oven beeped, etc. Life was not good. I went around putting #31 ferrites on lots of things where I had access to them. The house alarm was nasty because of the many, many wires running from each and every window and door through the walls back to the control box. The kitchen oven was impossible - it is built in and there is no accessible power cord. I stopped a lot of the RFI but it was not a lot of fun, AND it got expensive with all the ferrites.

My problems were cured when I went to a different antenna. I now use an 88-foot long stealthy (HOA and CCR issues) wire doublet, strung through the trees at a height of 45 feet. No more RFI problems AT ALL, even with 500+ watts. I use the vertical as a "diversity reception" antenna on the K3, but I don't transmit into it.

Bottom line - you "may" be able to reduce or eliminate your RFI issues by placing ferrites on household devices, but I think you are going to have a LOT of them to install. And, what about your neighbors - what's the probability of your RF getting into their household stuff?

BTW - the vertical is fed with 90 feet of RG-8U and has a common mode choke at the antenna consisting of five turns of the feeder going through six of the 2-1/4" ferrite cores. The doublet is fed with 110 feet of 450-ohm ladder line and a 4:1 balun at the transmitter end. It works very, very well and causes no RFI to anything in our house or the neighbors'.

Jim / W6JHB

33171. Re: [ham-antennas] AP6012J50 1/2" hardline

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 16:03:38 UTC
From: jeffrey kohel
Topic: 33162 Message: 33171

thats stuff costs alot, i would save it. unless you selling cheap and live close by. lol

On Wednesday, July 9, 2014 7:14 PM, "'Michael D Earls' mikeearls@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Fortuitous timing

http://www.eham.net/classifieds/detail/442700

We need about 1,000 feet (2 -500') of hardline for a new repeater install.
We need new or very gently used hardline.

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 09, 2014 12:39 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] AP6012J50 1/2" hardline

All,

I might have just inherited a 1000' spool of AP6012J50 1/2" 50-Ohm hardline. Since I don't have an antenna farm currently and can only deploy low visibility antennas close to my house (stinking hoa), does anyone have any interest in something like this? Or should I just store it in my garage until I can buy a place that will let me put up a tower?

Thanks,

-Richard, AA4IO (former KK4JDO)
SKCC Life Member #9570
North American QRP CW Club #6178
http://hamprojects.blogspot.com

33172. Re: AP6012J50 1/2" hardline

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 19:06:17 UTC
From: email4utoo@...
Topic: 33162 Message: 33172

If you are coming thru the Ozarks -No Arkansas , we have a large shop to store your 1/2 " spool , but our location might be inconvenient ,but you are welcome , we stored a wood stove for someone and it worked out fine . If you end up selling some i would like some for a couple Loop antennas i want to build , and i would be interested in 100' for another antenna i need to put up later on . Sounds like good cable. 73s, AJ W5HEH

33173. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-10 23:42:15 UTC
From: ve3pie@...
Topic: 33166 Message: 33173

Hi John,

are you familiar with the different companies that sell them ? are they equivalent or should I buy a particular brand ?

Fair-Rite
Amidon
DX-Engineering (Comtek chokes)
Palomar Engineers

thanks,Fred

33174. how telescopic antennas are made

Yahoo group: ham-antennas (2014)
Date: 2014-07-11 01:16:53 UTC
From: tivoligardens@...
Topic: 33174 Message: 33174

I would like to understand how a telescopic antenna like the one on a transistor radio is made. I understand how to make a telescopic pole.

Can anyone point me to come resources ?

Thanks
Hal w4hal

33175. Re: [ham-antennas] which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-11 14:26:18 UTC
From: John Molenda
Topic: 33166 Message: 33175

I have seen no difference between purveyors . Then I am not much of a
techie kb2huk John
On 7/10/2014 6:42 PM, ve3pie@... [ham-antennas] wrote:
>
> Hi John,
>
>
> are you familiar with the different companies that sell them ? are
> they equivalent or should I buy a particular brand ?
>
>
>
> Fair-Rite
>
> Amidon
>
> DX-Engineering (Comtek chokes)
>
> Palomar Engineers
>
>
> thanks,Fred
>
>
>

33176. RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-11 22:32:34 UTC
From: Geoff NW7GM
Topic: 33176 Message: 33176

Ron,

I have been in communication with Steve, G3TXQ, about a cobweb that would cover 40-10m and he suggested that the 30/40m elements be fed separately from the 20-10m section. He also suggested changing the ferrite core for the lower bands to a 43 mix while keeping the other balun instructions the same. His reasoning for the separate balun/feed is to minimize 3rd harmonic interactions and to allow the 30/40m wires to keep a more square shape. The spreader length for the 7 band version will be approximately 12' long.

I am currently in the process of building one of these and will post pictures to the group as I progress along.

One question I have for those that have constructed the single-wire version is, what waterproof box did you house your balun in? A part # and approx. price would be much appreciated!

On Friday, May 31, 2013, Ron Youvan <ka4inm@...> wrote:

> Hi Geoff N7PGN:
>
> <<
> I'm considering it since I don't really have a suitable area for a
> vertical with radials, nor do I have any trees on my property that I can
> get a dipole up at any reasonable height (and the tress would make the
> dipole strung E/W [firing N/S].
>
> Instead of the twin lead/zip line wire, I would build one with single wire
> elements based on the design here:
>
> http://www.karinya.net/g3txq/cobweb/
>
> I just wish these antennas were 40-10 meters (6 bands) instead of 20-10
> meters (5 bands)... If I could figure out how to get the 40 meters element
> on, I'll go that route - I'm just not sure on the wire length/spacing for
> it.
> >>
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33177. RE: [ham-antennas] RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 01:41:45 UTC
From: Kd8nnu
Topic: 33176 Message: 33177

I used a balun design unit that he makes for this application. Kd8nnu Don Sent on the new Sprint Network from my Samsung Galaxy S®4.
-------- Original message --------
From: "Geoff NW7GM geoff.nw7gm@gmail.com [ham-antennas]"
Date:07/11/2014 6:32 PM (GMT-05:00)
To: ka4inm@gmail.com,ham-antennas@yahoogroups.com
Subject: [ham-antennas] RE: 40 - 10m cobweb antenna

Ron, I have been in communication with Steve, G3TXQ, about a cobweb that would cover 40-10m and he suggested that the 30/40m elements be fed separately from the 20-10m section. He also suggested changing the ferrite core for the lower bands to a 43 mix while keeping the other balun instructions the same. His reasoning for the separate balun/feed is to minimize 3rd harmonic interactions and to allow the 30/40m wires to keep a more square shape. The spreader length for the 7 band version will be approximately 12' long. I am currently in the process of building one of these and will post pictures to the group as I progress along. One question I have for those that have constructed the single-wire version is, what waterproof box did you house your balun in? A part # and approx. price would be much appreciated! On Friday, May 31, 2013, Ron Youvan wrote: Hi Geoff N7PGN: << I'm considering it since I don't really have a suitable area for a vertical with radials, nor do I have any trees on my property that I can get a dipole up at any reasonable height (and the tress would make the dipole strung E/W [firing N/S]. Instead of the twin lead/zip line wire, I would build one with single wire elements based on the design here: http://www.karinya.net/g3txq/cobweb/ I just wish these antennas were 40-10 meters (6 bands) instead of 20-10 meters (5 bands)... If I could figure out how to get the 40 meters element on, I'll go that route - I'm just not sure on the wire length/spacing for it. >> -- Ron KA4INM - Youvan's corollary: Every action results in unwanted side effects. -- Geoff, NW7GM Seattle, WA CN87tr

33178. RE: [ham-antennas] RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 01:45:37 UTC
From: Kd8nnu
Topic: 33176 Message: 33178

By the way mine works real well and is not a compromise antenna. Mine is at 40 ft high and it out performs my fan dipole inverted v at 30 ft . Sent on the new Sprint Network from my Samsung Galaxy S®4.
-------- Original message --------
From: Kd8nnu
Date:07/11/2014 9:41 PM (GMT-05:00)
To: ham-antennas@yahoogroups.com,ka4inm@gmail.com
Subject: RE: [ham-antennas] RE: 40 - 10m cobweb antenna

I used a balun design unit that he makes for this application. Kd8nnu Don Sent on the new Sprint Network from my Samsung Galaxy S®4.

33179. Transco RF coaxial switches

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 03:46:36 UTC
From: the_melzer@...
Topic: 33179 Message: 33179

Is there a web site that has information on Transco RF coaxial switches? I have searched and searched and can find nothing. Just picked a up a brand new 14300 which is SP4T and would like to see the manufacturers specs. The coils are 28VDC but no clue as to amperage, though I doubt it is much. Anyone have info on this device or know where I can find it? I want to use this to switch between antennas before it enters the building.

Thanks!

Mel W8QO

33180. RE: [ham-antennas] Transco RF coaxial switches

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 10:30:23 UTC
From: José Manuel Andrade
Topic: 33179 Message: 33180

Hello!

I found this on a forum (http://www.eham.net/ehamforum/smf/index.php?topic=37106.0;wap2)

Dowkey has taken over the Transco line. They have a archive section there they may just help you with your questions on that switch. as far as price the guys are right most hams wont pay the retail price. but will take them if there free hi hi.

http://www.dowkey.com/

Regards

José

CS7ACK

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: 12 de julho de 2014 04:47
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Transco RF coaxial switches

Is there a web site that has information on Transco RF coaxial switches? I have searched and searched and can find nothing. Just picked a up a brand new 14300 which is SP4T and would like to see the manufacturers specs. The coils are 28VDC but no clue as to amperage, though I doubt it is much. Anyone have info on this device or know where I can find it? I want to use this to switch between antennas before it enters the building.

Thanks!

Mel W8QO

33181. RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 14:38:13 UTC
From: ke7zag@...
Topic: 33176 Message: 33181

Geoff, L-com.com sells weatherproof industrial enclosures that work perfectly for balun and unun housings. No electrical holes to have to plug, just drill and seal only those you need.
Randy

33182. 1/4 wave matching section and choke

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 18:48:02 UTC
From: Geoff NW7GM
Topic: 33182 Message: 33182

Good afternoon everyone,

I am in the middle of building a single-band full wave loop and had a question about the 1/4 wave matching section and toroidal choke I'm going to be using...

My plan is to put the choke on the matching section of 75 ohm coax but I'm not sure if the coax that is wound in the toroid is counted as part of the matching section length or if the overall straight-line length is the correct length. Hopefully I'm explaining that well enough.

Could someone help me out with this?

Thanks,

--
Geoff, NW7GM
Seattle, WA
CN87tr

33183. Re: [ham-antennas] 1/4 wave matching section and choke

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 19:28:05 UTC
From: Don Sanders
Topic: 33182 Message: 33183

As I understand the use of the choke, You can place it in either line.
The 75 ohm needs to have 20 feet of line wound on a 4 to 6 inch diameter
plastic drain pipe. This 20 feet will be part of the 1/4 wave length of 75
ohm line. Actually measure the line and tune it with ant bridge for center
of band and then wind 20 feet on the form.

Or, make the 75 ohm line and then connect the 50 ohm line which has the
last 20 feet would on the 4 to 6 inch form.
I usually put it in the 75 ohm line for 80 and 40 meters and in the 50 ohm
line for 10.1 and higher bands.

Don HC/W4BWS

On Sat, Jul 12, 2014 at 1:48 PM, Geoff NW7GM geoff.nw7gm@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Good afternoon everyone,
>
> I am in the middle of building a single-band full wave loop and had a
> question about the 1/4 wave matching section and toroidal choke I'm going
> to be using...
>
> My plan is to put the choke on the matching section of 75 ohm coax but I'm
> not sure if the coax that is wound in the toroid is counted as part of the
> matching section length or if the overall straight-line length is the
> correct length. Hopefully I'm explaining that well enough.
>
> Could someone help me out with this?
>
> Thanks,
>
>
>
> --
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
>

--
Dr. Don W4BWS

33184. Re: 1/4 wave matching section and choke

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 20:30:02 UTC
From: Geoff NW7GM
Topic: 33182 Message: 33184

The 20' section would be dependent on the frequency, which I specifically omitted because I already calculated my matching section. My question was about whether or not the amount of coax that is wound in the toroid would be added as part of the overall matching section length or if the matching section length would just be the straight-line length (unwound coax - wound choke - unwound coax). BTW, the choke is coax wound in a ferrite toroidal core (ft240-61).

On Saturday, July 12, 2014, Don Sanders w4bws1@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> As I understand the use of the choke, You can place it in either line.
> The 75 ohm needs to have 20 feet of line wound on a 4 to 6 inch diameter
> plastic drain pipe. This 20 feet will be part of the 1/4 wave length of 75
> ohm line. Actually measure the line and tune it with ant bridge for center
> of band and then wind 20 feet on the form.
>
> Or, make the 75 ohm line and then connect the 50 ohm line which has the
> last 20 feet would on the 4 to 6 inch form.
> I usually put it in the 75 ohm line for 80 and 40 meters and in the 50 ohm
> line for 10.1 and higher bands.
>
> Don HC/W4BWS
>
>
> On Sat, Jul 12, 2014 at 1:48 PM, Geoff NW7GM geoff.nw7gm@...
> <javascript:_e(%7B%7D,'cvml','geoff.nw7gm@...');> [ham-antennas] <
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:
>
>>
>>
>> Good afternoon everyone,
>>
>> I am in the middle of building a single-band full wave loop and had a
>> question about the 1/4 wave matching section and toroidal choke I'm going
>> to be using...
>>
>> My plan is to put the choke on the matching section of 75 ohm coax but
>> I'm not sure if the coax that is wound in the toroid is counted as part of
>> the matching section length or if the overall straight-line length is the
>> correct length. Hopefully I'm explaining that well enough.
>>

```
>> Could someone help me out with this?
>>
>> Thanks,
>>
>>
>>
>> --
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>>
>
>
> --
> Dr. Don W4BWS
>
>
>
```

--
Geoff, NW7GM
Seattle, WA
CN87tr

33185. Re: 1/4 wave matching section and choke

Yahoo group: ham-antennas (2014)
Date: 2014-07-12 22:32:10 UTC
From: farrerfolks@...
Topic: 33182 Message: 33185

NO, the matching section is independent and part of the antenna and the choke needs to be at that junction whether it is coax wound on PVC or on a toroid. IMHO.

Mel, K6KBE

33186. RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-13 12:31:38 UTC
From: email4utoo@...
Topic: 33176 Message: 33186

Sorry Geoff, got your name incorrect ! got Partimers ! hihi, !

33187. RE: 40 - 10m cobweb antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-13 12:45:35 UTC
From: email4utoo@...
Topic: 33176 Message: 33187

Gregg, i found some decent inexpensive electrical durable plastic enclosures at Lowes , just for comparison , i am sure homedepot and other hardware stores have some as well, these did not have holes to plug. mine i got was about 8.50, with mounting lugs to run screws thru attached, in electrical Section. i imagine the Ace Stores have them as well, Let us know what you find, 73s, AJ W5heh

Ps yes had rubber seal on opening lid that screws down, one could use wing nuts , with washers if needed for easy access.

33188. Re: how telescopic antennas are made

Yahoo group: ham-antennas (2014)
Date: 2014-07-13 20:34:28 UTC
From: kb8ubs@...
Topic: 33174 Message: 33188

The small ones for a transistor radio are made by flaring the larger end of tapered tubes and and inward rolling of the smaller end. Smaller tubes are pushed inside the larger tube sections, then a ball or something similar is crimped on the small end of the smallest piece, and a connection of some sort crimped on the large end of the largest section.
If you're looking to make a telescoping HF antenna, you will need to shop around the suppliers of EMT to find sizes that will slip into or over other sizes by using the charts they show on their web-sites.
You may be able to make a lighter version using wire inside sections of thick-walled PVC.
I had a chart showing the sizes and brands, giving all the dimensions for making HF beams, slotting the ends and fastening with hose clamps... but that computers hard drive crapped out and I haven't been able to find that chart again.
Let us know what frequencies you want to work with it and somebody might be kind enough to draw something up for you to try building.

KB8UBS

33189. Re: which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-13 20:53:35 UTC
From: kb8ubs@...
Topic: 33166 Message: 33189

RFI can be caused by several things... corrosion at any point is probably the number one offender, check to make sure all your grounds are tied to one point to eliminate ground loops, all the screws and connections on all equipment are tightened, the antenna is at least 1/4 wave in the air. The feed-line to the antenna should not be radiating, usually not a problem when using good coax and a balun mounted at the antenna. Also check to see how close the antenna is to outside power lines that might be receiving your signal and sending it right back into your affected devices.
Other than that, using the snap-on type of ferrites on the power cords will help. There only difference I've seen between manufacturers are the prices.

KB8UBS

33190. Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 00:23:46 UTC
From: gatewood_bill@...
Topic: 33190 Message: 33190

I am making a dipole. 204' long fed with 62' 450 ohm ladderline to 75' of rg-213. This is what I have room for. Do I use a 1 to 1 balun ? Thanks

33191. Re: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 01:02:18 UTC
From: Alex Netherton
Topic: 33190 Message: 33191

Are you going to use an antenna tuner? If so just feed the wire into your shack and directly into the antenna tuner through a four to one balun. Works way better than a G5RV. Ingest a year's time with mine operating only an hour or so every other day or so, I have logged 67 countries. 73

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On Jul 13, 2014 8:23 PM, "gatewood_bill@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am making a dipole. 204' long fed with 62' 450 ohm ladderline to 75' of
> rg-213. This is what I have room for. Do I use a 1 to 1 balun ? Thanks
>
>

33192. RE: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 01:19:48 UTC
From: Richard Schmuke
Topic: 33190 Message: 33192

If you can’t make up your mind , feed the whole thing with ladder line and put s switchable balun, 4:1 or 1:1 just before the tuner. That way you can pick what works best.

http://i1102.photobucket.com/albums/g453/KD0ZZ/4to11to12.jpg

That was my fix.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 13, 2014 8:02 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Balun for dipole

Are you going to use an antenna tuner? If so just feed the wire into your shack and directly into the antenna tuner through a four to one balun. Works way better than a G5RV. Ingest a year's time with mine operating only an hour or so every other day or so, I have logged 67 countries. 73

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO

On Jul 13, 2014 8:23 PM, "gatewood_bill@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I am making a dipole. 204' long fed with 62' 450 ohm ladderline to 75' of rg-213. This is what I have room for. Do I use a 1 to 1 balun ? Thanks

[Non-text portions of this message have been removed]

33193. RE: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 01:30:57 UTC
From: Richard Schmuke
Topic: 33190 Message: 33193

If you have room for a 204’ dipole do you have room for a delta loop with 186ft legs, you can coax feed it with a 4:1 and work all bands, 160 will have a 2:1 SWR, others will come in OK with most inbd tuners, my TS-590 works fine with it. You might have to pick your balun low SWR point adjustment if you work 6 & 10 more or 80 & 160.

Rich,Kd0zz

On Jul 13, 2014 8:23 PM, "gatewood_bill@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I am making a dipole. 204' long fed with 62' 450 ohm ladderline to 75' of rg-213. This is what I have room for. Do I use a 1 to 1 balun ? Thanks

[Non-text portions of this message have been removed]

33194. RE: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 02:57:12 UTC
From: email4utoo@...
Topic: 33190 Message: 33194

Rich , how high do you have your Delta Loop ? what is recommended ? Do you have low noise ?
Thanks, AJ W5heh

33195. RE: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 04:34:26 UTC
From: Richard Schmuke
Topic: 33190 Message: 33195

Feed point is about 40 ft and other two about 30 in some trees. Recommend as high as possible but it worked with a lot of sag in it at first installation so use what you have. I would say I have low noise on 40M but higher gain than my full size vertical on 40m.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, July 13, 2014 9:57 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Balun for dipole

Rich , how high do you have your Delta Loop ? what is recommended ? Do you have low noise ?
Thanks, AJ W5heh

[Non-text portions of this message have been removed]

33196. RE: [ham-antennas] Balun for dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 06:15:46 UTC
From: Dave Patrick
Topic: 33190 Message: 33196

Yes

G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: gatewood_bill@... [ham-antennas]
Sent: 14/07/2014 01:23
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Balun for dipole

I am making a dipole. 204' long fed with 62' 450 ohm ladderline to 75' of rg-213. This is what I have room for. Do I use a 1 to 1 balun ? Thanks

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Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

33197. Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 12:08:55 UTC
From: Bill Gatewood
Topic: 33197 Message: 33197

This is a follow up to my last balun question. I have an antenna anylizer. Can I take readings to determine what ratio balun I need. Some replies state 1 to 1 some state 4 to 1. It's a 204' dipole, 50' up, fed with 450 ohm ladderline, to 75' rg-213 to radio. Thanks for all the replies.

33198. Re: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 13:54:35 UTC
From: Joe
Topic: 33197 Message: 33198
Attachments: 1 described; binary payloads are missing from this source WARC

yup, put a 200 ohm resistor across the terminals if it's 4 to 1 it will show 50 ohms on the coax end if 1 to 1 it will show a 4 to 1 swr and should say 200 ohms.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/14/2014 7:08 AM, Bill Gatewood gatewood_bill@...
[ham-antennas] wrote:
>
>
> This is a follow up to my last balun question. I have an antenna
> anylizer. Can I take readings to determine what ratio balun I need.
> Some replies state 1 to 1 some state 4 to 1. It's a 204' dipole, 50'
> up, fed with 450 ohm ladderline, to 75' rg-213 to radio. Thanks for
> all the replies.
>
>
>

33199. Re: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 14:50:00 UTC
From: gatewood_bill@...
Topic: 33197 Message: 33199

Joe,
Did you mean 1 to 1 is 50 ohms and 4 to 1 is 200 ohms. Also what terminals are you talking about, where the antenna legs attach to the ladderline ? Thanks

33200. Re: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 14:55:09 UTC
From: Jim Bennett
Topic: 33197 Message: 33200

Bill,

Your SWR / mis-match will vary widely depending on the band being measured at the time. IMHO, the analyzer will not help you in this instance.I think that you'll find that either the 1:1 or the 4:1 will work fine for you, and there is no "one fits all perfectly" balun. I have used both the 1:1 and 4:1 with great success. My antenna is an 88 foot long dipole / doublet up 45 feet, fed with 110 feet of 450 ohm ladder line and 10 feet or so of RG-8x between the balun and the radio. If there is any way for you to replace that RG-213 with ladder line, you might consider doing so, as that coax will induce loss in your signal. The ladder line greatly reduces this loss. The more coax you use, the more loss you'll have.

Jim / W6JHB

On Jul 14, 2014, at 5:08 AM, Bill Gatewood gatewood_bill@... [ham-antennas] wrote:

>
> This is a follow up to my last balun question. I have an antenna anylizer. Can I take readings to determine what ratio balun I need. Some replies state 1 to 1 some state 4 to 1. It's a 204' dipole, 50' up, fed with 450 ohm ladderline, to 75' rg-213 to radio. Thanks for all the replies.
>
>

33201. Re: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 15:00:53 UTC
From: Joe
Topic: 33197 Message: 33201
Attachments: 1 described; binary payloads are missing from this source WARC

One end of the balun is coax and is connected to the test machine,,

the other end,, where you connect either the dipole or the ladder or
open line is where you connect the 200 ohm resistor.

If the balun is a 4 to 1 it will convert that 200 ohms down to 50 ohms
and you should see close to 1 to 1 swr and 50 ohms on the tester.

if the balun is a 1 to 1 version then it is just converting the balanced
to un balanced and not changing impedance's at all so at the coax end
will be 200 ohms or close to it, and the meter will say 200 ohms or at
least a 4 to 1 swr.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/14/2014 9:50 AM, gatewood_bill@... [ham-antennas] wrote:
>
>
> Joe,
>
> Did you mean 1 to 1 is 50 ohms and 4 to 1 is 200 ohms. Also what
> terminals are you talking about, where the antenna legs attach to the
> ladderline ? Thanks
>
>
>
>

33202. RE: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 15:11:32 UTC
From: Richard Schmuke
Topic: 33197 Message: 33202

The resistor check is used to find out if the balun is 4to1 or 1to1 , not to check the antenna.

Rich, ZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 9:50 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna anylizer for balun raito

Joe,

Did you mean 1 to 1 is 50 ohms and 4 to 1 is 200 ohms. Also what terminals are you talking about, where the antenna legs attach to the ladderline ? Thanks

[Non-text portions of this message have been removed]

33203. Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 16:12:18 UTC
From: n0ee@...
Topic: 33203 Message: 33203

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33204. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 16:28:40 UTC
From: Greg DeChant
Topic: 33203 Message: 33204

You mike want to post your message over in the Hustler antenna forum. Lots of good info on the Hustler BTV antennas there.

73,

de <mailto:starchaser2@...> Greg W8GCD ar

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 12:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33205. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 16:43:00 UTC
From: David V Colton
Topic: 33203 Message: 33205

I have had 6 Hustler BTV series antennas over the years. You may have gotten one tuned for CW Bands from the factory. Who knows? I have always (on the last 3 at least,) put it up to the spec sheet, put a antenna analyzer on it (MFJ-269,) THEN tune it. IF it is way out of bounds one one OR more freq's...you got a bad (or mis-tuned) trap. Not much else to get wrong. Especially if you put it in the exact same location. While your at it check the coax that you have with the analyzer, it could have changed...depending on where & how you stored it. If you don't have an analyzer, most ham clubs have one, or get on one of your local 2M or 75M net's. Someone close to you has one. It's just finding one! I live out in the sticks, and our local ham club (22 members) have 3 between us.
73, es gud luk
Dave-KJ4PF

-----Original Message-----
From: n0ee@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Jul 14, 2014 12:13 pm
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33206. Re: [ham-antennas] Antenna anylizer for balun raito

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 16:53:46 UTC
From: Ron Youvan
Topic: 33197 Message: 33206

On 07/14/2014 08:08 AM, Bill Gatewood gatewood_bill@...
[ham-antennas] wrote:
>
>
> This is a follow up to my last balun question. I have an antenna
> analyser. Can I take readings to determine what ratio balun I need. Some
> replies state 1 to 1 some state 4 to 1. It's a 204' dipole, 50' up, fed
> with 450 ohm ladder line, to 75' rg-213 to radio. Thanks for all the replies.

The technical answer is a 9:1 BALUN, but most 9:1's are are not true
BALUNS because they do not have a balanced 450 Ohm side, the most
common, easiest to find or make true BALUN is the common 4:1.
The match between the dipole and open wire feed line is not
important, keeping the open wire feed line fed in a balanced manor is
important, the match between the BALUN and RG-213 depends more on the
antennas impedance at the frequency in use than anything else, which
could be just about anything. That is why I recommended a 4:1 true BALUN.
Your best recommendation remains run the open wire feed line all the way
to the shack, keep the RG-213 no longer than your arm. Almost all
unbalanced tuners use the simple, basic 4:1 BALUN to feed balanced loads
'cause that works.
--

Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33207. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 18:39:17 UTC
From: Todd F. Carney / K7TFC
Topic: 33203 Message: 33207

Hi!

I just thought I'd double check that when you say "adjust the traps" you mean loosening the hose clamps and moving trap assemblies up or down relative to the other sections, beginning with the starting points indicated in the instructions (the DX Engineering ones) . . . . Rather than doing something to the traps themselves.

I've always heard and personally experienced that the starting measurements as specified are not also the ending ones. That is, adjustments are always required . . . unless *by chance* the ones called out happen to be good for a particular site. My 5BTV required quite a bit of fiddling (not easy, as it's roof mounted). I have a 4BTV I use in the field. I use it with 8 radials and I always have to spend a half-hour or so making adjustments (so I don't take it on casual drives in the countryside).

I'll be interested in the discussion here and in how your 6BTV works out for you. By the way, is it or will you guy the thing? My 4BTV doesn't need it, but my 5BTV is too floppy at the top for my taste without guying just below the 80m resonator.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Mon, Jul 14, 2014 at 4:12 PM, n0ee@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I had for quite a while a Hustler 5BTV, ground mounted, no radials. It
> took nothing to install and worked well. I have since sold that antenna.
> I now have installed a Hustler 6BTV on the exact same mount, same coax, no
> radials, and it's been a nightmare to get working. Measurements are exact
> as specified but on some bands it's SWR flat point is well below the band,
> some as far as 1 MHz low. I have never had that issue installing these BTV
> antennas. I really don't want to get in to adjusting the traps but that's
> probably where I'm at. The antenna is new, I opened the sealed box. Has

> anyone had an issue with the traps being up to a Mhz off when new from the
> box? I've installed several of these over the years and never had a
> problem.
>
>
>

33208. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 18:46:06 UTC
From: Ray Kasprzak
Topic: 33203 Message: 33208

Yes as others have said get a hold of a good antenna analyzer. However before doing anything put some radials down. If the antenna is ground mounted the radials don't have to be any longer than the antenna. I have used verticals for many years and the difference between 35 radials and just a ground rod is in the order of 10db. After that, if needed you can go ahead and tune the traps if necessary. It's really easier than the instructions make it look.

□ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://rkasprzak.smugmug.com/

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: n0ee@... [ham-antennas]
Date: 07/14/14 11:12:28
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem

33209. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 19:51:52 UTC
From: Mark Kelner
Topic: 33203 Message: 33209

Hi N0EE,
 Didn't get your name but go to the DX engeneering web site and download their info on the BTV series of Verticals. It's free and pretty much spot on. As Ray,K9RJO said. "put some radials down". 8 is a start & 16 would be better.After app. 32 the returns taper off.

 Have also used the BTV series and it came alive when I got serious about tuning it.I stopped at 52-25ft radials.

  Someone mentioned going to the Hustler ant. site on Yahoo Groups. When it was taken over by a different moderator something got screwed up and it went away. Too bad.It's always fun reading and seeing some pics. of what everyone is doing with their install.

  Hope this helps and good luck.

   73,
   Mark WG8Y

On Monday, July 14, 2014 2:46 PM, "'Ray Kasprzak' raykasprzak@comcast.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Yes as others have said get a hold of a good antenna analyzer. However before doing anything put some radials down. If the antenna is ground mounted the radials don't have to be any longer than the antenna. I have used verticals for many years and the difference between 35 radials and just a ground rod is in the order of 10db. After that, if needed you can go ahead and tune the traps if necessary. It's really easier than the instructions make it look.

□ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://rkasprzak.smugmug.com/

 http://shutterstock.com/g/rkasprzak

 http://k9rjo.myqsx.net/
-------Original Message-------

From: n0ee@... [ham-antennas]
Date: 07/14/14 11:12:28
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well

below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33210. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 21:10:57 UTC
From: Scott Myers
Topic: 33203 Message: 33210

I hear you on having no radials in the past and having good luck with it. But I think you'd be really surprised how much difference just (8) 30ish foot radials can make. A 5BTV is designed to be used with radials. If you can't do much, just do something, as it does make a big difference. Do make sure your feed point is as low as practical to the ground as this is very important.

That said, there really isn't an way around tune ANY vertical multiband antenna; not just Hustlers. The 5BTV is a different antenna than a 6BTV, but I'll bet if you bought a new 5BTV today, you'd have to tune it as well. It's just the nature of the beast. The fact you bought one and put it in before without tuning and it was already tuned is pure luck. You should have played the lottery that day.

If you do decide to put in a few radials, you'll note that bandwidth gets narrower, but usually the SWR does get lower at points. This is a GOOD thing and its old man physics telling you your vertical is becoming more efficient much a much higher Q.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 12:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33211. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-14 21:42:22 UTC
From: Greg DeChant
Topic: 33203 Message: 33211

If you do put down radials which is what I suggest. Your traps might still have to be adjusted. If anyone needs the trap or trap tuning information please let me know. I used to moderate the Hustler Antenna forum and still have that info available. Yes and antenna analyzer is most useful, if you don’t have one borrow one. I happen to run a 5-BTV with minimal radials and once the antenna and the traps were adjusted I can reach Poland on 15 watts PSK.

73,

de <mailto:starchaser2@...> Greg W8GCD ar

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 5:11 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Hustler BTV

I hear you on having no radials in the past and having good luck with it. But I think you'd be really surprised how much difference just (8) 30ish foot radials can make. A 5BTV is designed to be used with radials. If you can't do much, just do something, as it does make a big difference. Do make sure your feed point is as low as practical to the ground as this is very important.

That said, there really isn't an way around tune ANY vertical multiband antenna; not just Hustlers. The 5BTV is a different antenna than a 6BTV, but I'll bet if you bought a new 5BTV today, you'd have to tune it as well. It's just the nature of the beast. The fact you bought one and put it in before without tuning and it was already tuned is pure luck. You should have played the lottery that day.

If you do decide to put in a few radials, you'll note that bandwidth gets narrower, but usually the SWR does get lower at points. This is a GOOD thing and its old man physics telling you your vertical is becoming more efficient much a much higher Q.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
[mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 12:12 PM
To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
Subject: [ham-antennas] Hustler BTV

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antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33212. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 00:30:35 UTC
From: n0ee@...
Topic: 33203 Message: 33212

I've used every installation info I can find, including DXE's. I did notice that one dimension is different between the factory and DXE's dimensions, by an inch. Done it both ways. I've lengthened and shortened the dimensions. Yes, one change at a time....I've been a ham for 30 years, this isn't my first go round with BTV's, but this is the first time I've gotten one that using the factory dimensions it was this far out. A full MHz low at 15meters? If I was to change the trap calibration there isn't enough room to move it down the inch or so it would take. I've been wanting an antenna analyzer, I guess this is as good of a time as any to get one.

33213. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 00:54:02 UTC
From: Todd F. Carney / K7TFC
Topic: 33203 Message: 33213

Personally, I trust the DXE *manual* far more than I do the factory's few and **very old** pages. I'm not sure they've been updated (to take into account user feedback) at all since the 60s.

I think DXE has spent a lot of energy basing their material on actually using the antennas and getting feedback from others. The factory doesn't sell retail, so they may be unaware or otherwise deaf to user feedback. DXE is the retailer who gets customer-service calls from buyers. They also manufacture a number of add-ons and accessories for the xBTVs and I think it's reasonable to say that they know more about the things than the factory does.

I also think they did not need to produce such a manual to sell the xBTVs. You don't get the manual until you've already bought the antenna. In other words, it's not really competing--"buy from us because we've got a fabulous manual"--I think it more an example of a good-faith effort to do they're best for customers.

No, I don't own stock in DXE and I don't know anyone who has ever worked there. I just been a long-time satisfied customer.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Tue, Jul 15, 2014 at 12:30 AM, n0ee@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I've used every installation info I can find, including DXE's. I did
> notice that one dimension is different between the factory and DXE's
> dimensions, by an inch. Done it both ways. I've lengthened and shortened
> the dimensions. Yes, one change at a time....I've been a ham for 30 years,
> this isn't my first go round with BTV's, but this is the first time I've
> gotten one that using the factory dimensions it was this far out. A full
> MHz low at 15meters? If I was to change the trap calibration there isn't
> enough room to move it down the inch or so it would take. I've been wanting

> an antenna analyzer, I guess this is as good of a time as any to get one.
>
>

33214. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 01:22:04 UTC
From: Ken Burchfield
Topic: 33203 Message: 33214

Hi to all,
disclaimer; I have never had a Hustler Btv antenna, Here is some info I did find that may help some.

http://www.new-tronics.com/main/manual/Trap_Tuning.pdf

Here: is the tuning information from NT website:

Accurate tuning is made possible by the wide range of tuning flexibility designed into our verticals. Not only can you use the normal adjustable tubing to change resonance, but the traps themselves can be field tuned. This flexibility will enable you to achieve a good SWR even if your installation is not ideal. The trap adjustment is only used when you have exhausted the extending or collapsing of the tubing. Trap adjustment is not a substitution for a poor or no radial system.
The trap consist of three major components, Core tube, Trap can, Weather cap.
Adjusting the trap consist of moving the trap can up or down the core tubing.
Moving the trap can down the core tube raises the resonate frequency and moving trap up the core tube will lowers the resonate frequency. There is a silicone seal on the inside of weathercap so you may need to twist the trap can and remove silicone to move weather cap and trap can
1. Determine if the antenna is looking long or short
2. Collapse all 10 meter tubing
a. Is 28 Mhz SWR the lowest in the band – Long antenna
b. Is 29.7 Mhz SWR the lowest in the band – Short antenna
3. 10 meter needs to be tune to the center of the band 28 Mhz and 29.7 Mhz must be equal SWR reading with resonates being close to the center of the band
4. If the antenna is long remove trap from antenna
5. Make a reference line on the core tube below the trap can and clamp
6. Make two more lines ¼ inch down from reference lines
7. Loosen clamp and lower trap can to first mark (this will raise the resonate frequency of trap)
8. Place trap back into Antenna
9. Check SWR 28 Mhz and 29.7 Mhz must be equal SWR reading with resonates being close to the center of the band.
10. If the Band edges are not equal
11. Remove trap from antenna
12. Loosen clamp and lower trap can to second mark
13. Repeat steps 9, 10, 11 until band edges are equal (expanding tubing will fine adjust SWR)
14. After trap tuning is complete pull up black weather cap on core tube remove silicone and reapply silicone and slide weather cap back on to trap can

15. If the antenna is short use the same steps except move the trap can
up the core tube (place tubing in normal installation position
for
testing)
This procedure is used on all traps
15 meter reference lines are only 1/16 inch
20 meter reference lines are only 1/8 inch
30 meter reference lines are only 1/16 inch
Trap Tuning

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud
Baud

On Monday, July 14, 2014 4:10 PM, "'Scott Myers' ac8de@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

I hear you on having no radials in the past and having good luck with it. But I think you'd be really surprised how much difference just (8) 30ish foot radials can make. A 5BTV is designed to be used with radials. If you can't do much, just do something, as it does make a big difference. Do make sure your feed point is as low as practical to the ground as this is very important.

That said, there really isn't an way around tune ANY vertical multiband antenna; not just Hustlers. The 5BTV is a different antenna than a 6BTV, but I'll bet if you bought a new 5BTV today, you'd have to tune it as well. It's just the nature of the beast. The fact you bought one and put it in before without tuning and it was already tuned is pure luck. You should have played the lottery that day.

If you do decide to put in a few radials, you'll note that bandwidth gets narrower, but usually the SWR does get lower at points. This is a GOOD thing and its old man physics telling you your vertical is becoming more efficient much a much higher Q.

73,
Scott AC8DE

From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 14, 2014 12:12 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33215. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 02:34:43 UTC
From: Steve
Topic: 33203 Message: 33215

I had an improperly adjusted trap on my Hustler 6BTV. Adjusted the trap to the correct length and everything was fine.

Steve
KC0WU

-------- Original message --------
From "n0ee@juno.com [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: 07/14/2014 11:12 AM (GMT-06:00)
To ham-antennas@yahoogroups.com
Subject [ham-antennas] Hustler BTV

I had for quite a while a Hustler 5BTV, ground mounted, no radials. It took nothing to install and worked well. I have since sold that antenna. I now have installed a Hustler 6BTV on the exact same mount, same coax, no radials, and it's been a nightmare to get working. Measurements are exact as specified but on some bands it's SWR flat point is well below the band, some as far as 1 MHz low. I have never had that issue installing these BTV antennas. I really don't want to get in to adjusting the traps but that's probably where I'm at. The antenna is new, I opened the sealed box. Has anyone had an issue with the traps being up to a Mhz off when new from the box? I've installed several of these over the years and never had a problem.

33216. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 09:06:06 UTC
From: Ron Youvan
Topic: 33203 Message: 33216

'Scott Myers' ac8de@... wrote:

> I hear you on having no radials in the past and having good luck with
> it. But I think you'd be really surprised how much difference just (8)
> 30ish foot radials can make. A 5BTV is designed to be used with
> radials. If you can't do much, just do something, as it does make a big
> difference. Do make sure your feed point is as low as practical to the
> ground as this is very important.

One of the big problems with using a vertical 1/4 wl antennas is:
without radials they usually present a match to the feed line that is
quite close to 50 Ohms, indicating to the less technical operator that
everything is just fine, then when radials are added the match becomes
less good, lesser the more that is added. Dirt without conductive
material over it is a resistance in series with the antenna. Antenna +
resistance = load impedance.
As you add counter poise you reduce the ground loss resistance and the
antenna system impedance until you reach about 37 Ohms, which the less
technical operator sees as a bad load. (no longer matching the coax's
50 Ohms) (less good than what he started with)

Low SWR is not necessarily an indication of being tuned on your
operating frequency, a purely resistive test load is a perfect match and
they are NEVER tuned.

A good antenna analyser that can separate that ground loss resistance
from the resistance of the antenna at resonance will tell you WHERE the
antenna is tuned without error, if there is such a thing, for me I have
always used a "sweeping returned loss bridge" (with a good scope) and
the ground loss resistance, in determining antenna tuning, is
irrelevant. The only SWR indication that I ever look at is the SWR on
the meter on my transceiver.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33217. Re: which ferrite cores do I buy for my RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 14:41:53 UTC
From: jerrybosak@...
Topic: 33166 Message: 33217

I think the Original Poster glossed over the facts - trying to attack the problem.

What we would need to know is where in the house is your shack, what kind of transceiver are you using?

How many watts are you running?

What kind of coax are you using and what length of coax are you using?

What kind of antenna are you using, how high is the antenna, how far away from your house is your antenna.

You can add ferrite beads until the cows comes home, if you are running a G5RV and a antenna tuner and an amplifier...

Stopping RF is going to involve fixing all the mistakes before we can solve the RF problem.
Things like getting the antenna higher and further away from the house.
Making the antenna resonant or finding a resonant antenna.
Using a piece of feed line that is a half wavelength long at the desired operating frequency.

With all the electronic devices in the home today, sometimes it is very difficult to get rid of all RF, or to get the antenna high enough or to get it far enough away from the house.

I experienced multiple computer crashes trying to run digital modes with 30 - 40 watts.
Even reducing power to 25 watts would not solve the problem.
I had tried most everything common - to get rid of the problem.
I ended up moving the antenna further away from the house, putting it up higher in the sky and using a better grade LMR 400 coax...
I ended up putting up a Off-center fed dipole instead of the folded dipole - B&W 90 and that solved the problem.

I also had to get rid of the stock mouse on the computer and go to a USB wireless mouse.
The wire on the mouse was acting like a antenna and was causing the software to fail...

33218. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 18:04:22 UTC
From: worahm@...
Topic: 33203 Message: 33218

I live in an antenna restricted community. I am lucky to live on a half acre with 10 acres of woods available behind my house. So, I may not have the same limitations as you.

I erected a Hustler 5 BTV in the woods behind my house and documented the SWR using a AA54 antenna analyzer as I added radials. I posted the results in the Forum and as a hyperlink with this post.

You may find the results interesting.

Bill KB2GF

[Non-text portions of this message have been removed]

33219. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 18:08:51 UTC
From: farrerfolks@...
Topic: 33203 Message: 33219

hello Bill,

I did not find a link in the file. The July 7 folder was empty? What did I do wrong?

Mel, K6KBE

33220. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-15 18:17:16 UTC
From: worahm@...
Topic: 33203 Message: 33220

I posted the SWR information to the Forum back in January 2014 and it appears Yahoo deleted the attachment.

Send me an email with and I will send you the information on a MS spread sheet.

Bill KB2GF

worahm@...

33221. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 16:45:52 UTC
From: n0ee@...
Topic: 33203 Message: 33221

My email address is n0ee@juno.com. I spent all morning putting down radials. I borrowed an MFJ259B meter. I checked the bands with the BTV set at the on ground no radial dimensions. I then changed the dimensions to on ground with radials. Nothing changed at all. Impedence varies from 45 to 58 ohms. I'm going to put down more wire I suppose.

33222. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 17:34:30 UTC
From: David V Colton
Topic: 33203 Message: 33222

Aaahhh...you can't put the BTV antenna ON the ground! It has to be mounted with the bottom of the antenna 20 to 23 inches above ground. This is VERY important in the tuning of the BTV antenna!

Here is a URL to the DX Engineering Instructions for the BTV Antenna Series.

http://download.qrz.ru/pub/hamradio/antenna/hustler/BTV-INSTALL-GUIDE-Rev0.pdf

With ZERO radials, your feed point antenna impedance will be close to 50 ohms. As you add more and MORE radials it will come down closer to the lowest you can get on a 1/4 wave vertical (33 ohms.) IF you correctly mount the bottom of the antenna at 2--23 inches that is.

FYI- my last 6 BTV was ground mounted w/ 1800 feet of radials. My MFJ-269 shows a feed point impedance of 34.6 ohms. (it is mounted on 6 inches of top soil over solid slate rock, (the "native" rock of Western PA!) I will tell you that if I could HEAR them, I could work them on 100 watts. (I am going to move the antenna and radials to my new QTH 30 miles north of my old QTH when it cools down in Oct.)

Move your antenna up the mounting pole to 20 inches, retest your impedance with NO radials, then with JUST 8 radials. The impedance should drop from 50 to at least 45 or less. (That will be an increase of at least 20% in power going OUT the antenna (and not heating the "fishing worms."
Gud Luk...and keep us posted here!
73,
Dave-KJ4PF

-----Original Message-----
From: n0ee@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Jul 16, 2014 12:45 pm
Subject: Re: [ham-antennas] Hustler BTV

My email address is n0ee@juno.com. I spent all morning putting down radials. I borrowed an MFJ259B meter. I checked the bands with the BTV set at the on ground no radial dimensions. I then changed the dimensions to on ground with radials. Nothing changed at all. Impedence varies from 45 to 58 ohms. I'm going to put down more wire I suppose.

33223. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 18:31:33 UTC
From: Scott Myers
Topic: 33203 Message: 33223

You are correct in that the antenna radiator and feed point cannot touch the ground. HOWEVER, the feed point must NOT be 20" above the ground. Real those instructions again. The upper bands would give you fits. The mounting pipe of a BTV series will stick out of the ground 20 off inches, but the feed point is lower than the top of that pipe and at the very bottom of the radiator. The radiator is insulated from the support pipe by plastic insulators.

The feed point of any classic Marconi vertical needs to be close to the ground, but certainly not touching it. Having the feed point 3" or so above the ground is good enough for most HF antenna installations.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 16, 2014 1:35 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hustler BTV

Aaahhh...you can't put the BTV antenna ON the ground! It has to be mounted with the bottom of the antenna 20 to 23 inches above ground. This is VERY important in the tuning of the BTV antenna!

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FYI- my last 6 BTV was ground mounted w/ 1800 feet of radials. My MFJ-269 shows a feed point impedance of 34.6 ohms. (it is mounted on 6 inches of top soil over solid slate rock, (the "native" rock of Western PA!) I will tell you that if I could HEAR them, I could work them on 100 watts. (I am going to move the antenna and radials to my new QTH 30 miles north of my old QTH when it cools down in Oct.)

Move your antenna up the mounting pole to 20 inches, retest your impedance with NO radials, then with JUST 8 radials. The impedance should drop from 50 to at least 45 or less. (That will be an increase of at least 20% in power going OUT the antenna (and not heating the "fishing worms."

Gud Luk...and keep us posted here!

73,

Dave-KJ4PF

-----Original Message-----
From: n0ee@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Jul 16, 2014 12:45 pm
Subject: Re: [ham-antennas] Hustler BTV

My email address is n0ee@.... I spent all morning putting down radials. I borrowed an MFJ259B meter. I checked the bands with the BTV set at the on ground no radial dimensions. I then changed the dimensions to on ground with radials. Nothing changed at all. Impedence varies from 45 to 58 ohms. I'm going to put down more wire I suppose.

33224. Re: [ham-antennas] Hustler BTV feedpoint and base height

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 18:54:13 UTC
From: Kenneth G. Gordon
Topic: 33203 Message: 33224

On 16 Jul 2014 at 14:31, 'Scott Myers' ac8de@... [ham-antRE:
[ham-antennas] Hustler BTV wrote:

> The feed point of any classic Marconi vertical needs to be close to the
> ground, but certainly not touching it. Having the feed point 3" or so
> above the ground is good enough for most HF antenna installations.

My only present antenna is a 55' tall vertical with a trap at the 33'
level. The antenna was originally designed as an 80/40 meter vertical.
The designer/builder subsequently died before he could get it
manufactured for sale.

I have added a base-loading coil in order to use the antenna on 160
meters, and with my antenna coupler at the shack end of the 50 ohm coax
feeding the antenna, and with the loading coil bypassed, I can easily
load the antenna to full power on all bands, including the WARC bands
with 1:1 SWR to the rig.

At the moment, I have only 4 ea 66' long buried radials in place.

For several years I had used an empty wine bottle as a base insulator.

What is very interesting to me is that one winter, the bottle broke,
depositing the base of the antenna, with the coax connection, firmly
below ground level by at least 4 inches for several months.

Absolutely zero effect was noticed both in loading and/or operation of
the antenna.

I was amazed when on a routine inspection in the spring I found this.

I subsequently built a much more robust base insulator out of PVC pipe.

Perhaps the Hustler's are more sensitive to this type of "abuse"?

Ken W7EKB

33225. RE: [ham-antennas] Hustler BTV feedpoint and base height

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 19:18:06 UTC
From: Scott Myers
Topic: 33203 Message: 33225

I can't speak to your unusual situation. Strange indeed.

The best way I have heard a vertical and it's ground plane described is to think of it as the two halves of a dipole. What happens when you separate the two halves of a dipole? You reduce coupling and it becomes less efficient and the SWR changes dramatically. Same thing with the vertical and ground plane. Increasing coupling greatly improves Q of the system.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 16, 2014 2:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hustler BTV feedpoint and base height

On 16 Jul 2014 at 14:31, 'Scott Myers' ac8de@... [ham-antRE:
[ham-antennas] Hustler BTV wrote:

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> ground, but certainly not touching it. Having the feed point 3" or so
> above the ground is good enough for most HF antenna installations.

My only present antenna is a 55' tall vertical with a trap at the 33' level. The antenna was originally designed as an 80/40 meter vertical. The designer/builder subsequently died before he could get it manufactured for sale.

I have added a base-loading coil in order to use the antenna on 160 meters, and with my antenna coupler at the shack end of the 50 ohm coax feeding the antenna, and with the loading coil bypassed, I can easily load the antenna to full power on all bands, including the WARC bands with 1:1 SWR to the rig.

At the moment, I have only 4 ea 66' long buried radials in place.

For several years I had used an empty wine bottle as a base insulator.

What is very interesting to me is that one winter, the bottle broke, depositing the base of the antenna, with the coax connection, firmly below ground level by at least 4 inches for several months.

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Perhaps the Hustler's are more sensitive to this type of "abuse"?

Ken W7EKB

33226. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 19:41:10 UTC
From: Greg DeChant
Topic: 33203 Message: 33226

John, Here is where you should follow these instructions, from New Tronics:

Trap Tuning

Accurate tuning is made possible by the wide range of tuning flexibility designed into our verticals. Not only can you use the normal adjustable tubing to change resonance, but the traps themselves can be field tuned. This flexibility will enable you to achieve a good SWR even if your installation is not ideal. The trap adjustment is only used when you have exhausted the extending or collapsing of the tubing. Trap adjustment is not a substitution for a
poor or no radial system.
The trap consist of three major components, Core tube, Trap can, Weather cap.
Adjusting the trap consist of moving the trap can up or down the core tubing.
Moving the trap can down the core tube raises the resonate frequency and moving trap up the core tube will lowers the resonate frequency. There is a silicone seal on the inside of weather cap so you may need to twist the trap can and remove silicone to move weather cap and trap can
1. Determine if the antenna is looking long or short
2. Collapse all 10 meter tubing
a. Is 28 MHz SWR the lowest in the band – Long antenna
b. Is 29.7 MHz SWR the lowest in the band – Short antenna
3. 10 meter needs to be tune to the center of the band 28 MHz and 29.7 MHz must be equal SWR reading with resonates being close to the center of the band
4. If the antenna is long remove trap from antenna
5. Make a reference line on the core tube below the trap can and clamp
6. Make two more lines ¼ inch down from reference lines
7. Loosen clamp and lower trap can to first mark (this will raise the resonate frequency of trap)
8. Place trap back into Antenna
9. Check SWR 28 MHz and 29.7 MHz must be equal SWR reading with resonates being close to the center of the band.
10. If the Band edges are not equal
11. Remove trap from antenna
12. Loosen clamp and lower trap can to second mark
13. Repeat steps 9, 10, 11 until band edges are equal (expanding tubing will fine adjust SWR)
14. After trap tuning is complete pull up black weather cap on core tube remove silicone and reapply silicone and slide weather cap back on to trap can
15. If the antenna is short use the same steps except move the trap can up the core tube (place tubing in normal installation position for testing)
This procedure is used on all traps
15 meter reference lines are only 1/16 inch

20 meter reference lines are only 1/8 inch
30 meter reference lines are only 1/16 inch

Once your satisfied with the tuning, ya’ll will need to reseal the traps with NON-ACIDIC Silicon. DX engineering has it. If you use regular silicon from the local DIY store the trap will corrode and ya’ll will be replacing traps or buying a new antenna in a short period of time.

73,

de <mailto:starchaser2@...> Greg W8GCD ar

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 16, 2014 12:46 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hustler BTV

My email address is n0ee@... <mailto:n0ee@...> . I spent all morning putting down radials. I borrowed an MFJ259B meter. I checked the bands with the BTV set at the on ground no radial dimensions. I then changed the dimensions to on ground with radials. Nothing changed at all. Impedence varies from 45 to 58 ohms. I'm going to put down more wire I suppose.

33227. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 19:52:48 UTC
From: Kenneth G. Gordon
Topic: 33203 Message: 33227

On 16 Jul 2014 at 15:41, 'Greg DeChant' starchaser2@... wrote:

> Trap adjustment is not a substitution for a poor or no radial system.

I found this statement particularly amusing and educational.

I simply have never been able to understand how any vertical can operate even remotely efficiently without a radial system of some sort.

As another member mentioned, the best "view" of a vertical, IMHO, is as a dipole folded at the center.

Perhaps in those cases in which operation of a vertical is attempted withOUT a radial system, the coax feeding the system and everything attached to it at the shack end is enough so that it appears as at least one radial...

Ken W7EKB

33228. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 19:59:57 UTC
From: Greg DeChant
Topic: 33203 Message: 33228

Ken, In some cases the metal mounting post serves as a ground and some think it will suffice as a radial of some sort. I disagree. My view on a vertical antenna is the radial system is the other half of the antenna "folded dipole" and some a better than none at all. Depends on soil conditions and earth conductivity.

73,

de <mailto:starchaser2@...> Greg W8GCD ar

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 16, 2014 3:53 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Hustler BTV

On 16 Jul 2014 at 15:41, 'Greg DeChant' starchaser2@...
<mailto:starchaser2@...> wrote:

> Trap adjustment is not a substitution for a poor or no radial system.

I found this statement particularly amusing and educational.

I simply have never been able to understand how any vertical can operate even remotely efficiently without a radial system of some sort.

As another member mentioned, the best "view" of a vertical, IMHO, is as a dipole folded at the center.

Perhaps in those cases in which operation of a vertical is attempted withOUT a radial system, the coax feeding the system and everything attached to it at the shack end is enough so that it appears as at least one radial...

Ken W7EKB

33229. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 20:32:11 UTC
From: Kenneth G. Gordon
Topic: 33203 Message: 33229

On 16 Jul 2014 at 15:59, 'Greg DeChant' starchaser2@...
wrote:

> Ken, In some cases the metal mounting post serves as a ground

I think you are correct: but in any case, that would be a very poor ground.

> and some think
> it will suffice as a radial of some sort. I disagree.

So do I.

> My view on a vertical
> antenna is the radial system is the other half of the antenna "folded
> dipole" and some a better than none at all.

Again, that is the way I see it also. Even ONE real radial is far better than none at all. At least you would have a full dipole then.

> Depends on soil conditions and
> earth conductivity. 73, de Greg W8GCD ar

I have seen a map of the soil conductivity covering the U.S. and Canada. GOOD soil conductivity is very, very rare all over the North American continent. Most soil conductivity is very poor.

Thanks, Greg.

vy 73,

Ken W7EKB

33230. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-16 20:51:35 UTC
From: w6jhb@...
Topic: 33203 Message: 33230

I can attest to the "very poor ground" statement. When I first moved to California in 1987 I had a 5BTV and was renting a home while looking for a place to buy. I temporarily drove a pipe in the ground and mounted the BTV to the stake - could not put down any radials. The performance was, shall we say - "sucky". Now, 27 years later, I have that same antenna installed in the back yard, but this time with 40 radials of various lengths snaking through the grass. I used the DX Engineering tilt-over base along with their radial plate. Performance has been very good, allowing me to work a lot of DX and US stations. In addition, for 17 of my 27 years in CA, I had that antenna mounted on the top of my single story home in Martinez, using the same tilt-over base and radial plate, but using the DXE tuned radial package. Very, very good performance on 80 and 40 meters. Bottom line - this is a great antenna for folks on a limited budget and small property, but to make it sing, put down radials.

73, Jim / W6JHB

33231. RE: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 02:16:48 UTC
From: n0ee@...
Topic: 33203 Message: 33231

I now have an extensive radial field. That effort didn't do squat for me. I finally "calibrated" the traps and it is usable.I just planted $100 worth of copper in the ground and it didn't do anything positive on transmit, maybe receive but certainly not on transmit. Until I Calibrated the traps, I was pissin' in the wind. Of course, your mileage may vary. Thanks for the suggestions.

33232. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 02:26:16 UTC
From: Todd F. Carney / K7TFC
Topic: 33203 Message: 33232

On Thu, Jul 17, 2014 at 2:16 AM, n0ee@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

> I now have an extensive radial field. That effort didn't do squat for me.
> I finally "calibrated" the traps and it is usable.I just planted $100 worth
> of copper in the ground and it didn't do anything positive on transmit,
> maybe receive but certainly not on transmit.
>
Well, it's quite likely that the radials *and* the trap tuning will make
it a better performer than just the tuning alone. You may have pretty-good
soil conditions such that adding radials didn't seem an improvement.

It's also likely the radials have lowered the antenna's launch angle, and
that's always good. You wouldn't know that's so until you've operated with
it for a while and notice improved DX performance.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

33233. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 02:52:19 UTC
From: n0ee@...
Topic: 33203 Message: 33233

I'm just glad I got it to where it is usable!. Frustrating but that's half the fun.

John N0EE

33234. Re: [ham-antennas] Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 03:29:53 UTC
From: Kenneth G. Gordon
Topic: 33203 Message: 33234

On 16 Jul 2014 at 19:16, n0ee@... [ham-antennas] wrote:

> I now have an extensive radial field.

Good.

NOW tune the antenna.

Ken W7EKB

33235. 5 Band Portable Vertical - QST article from a few months ago ...

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 03:59:40 UTC
From: Robert Ahrens
Topic: 33235 Message: 33235

Hi everyone,

I spent many hours over the past couple weeks building the 5 band vertical which was recently described in QST. I am surprised at how long it took to assemble all of the parts! But I feel really good about the antenna.

I did make one significant change to the original design. I added a junction block at about 84" above ground level and made three loading coils. The first - for 20M - is simply a jumper. The antenna is 1/4 wave on 20 and it should work just fine. The 20M "coil" is simply a place holder, connecting the top and bottom sections of the 20M radiator.

The second coil resonates the 20M element on 30M, and the third coil resonates it on 40.

Interestingly (though perhaps not really a surprise) the 10, 12, 15 and 17 resonances do not seem to be much affected by plugging in the 30M or 40M coil.

I will be using 12 16' radials, 2 25' radials and 2 33' radials, for a total of 16. Hopefully that will be sufficient to give my TS-440 a voice when I am portable in Park City, UT for the next month or so.

I was able to bring everything into resonance with my mfj analyzer. Much trimming and measuring. But that was the fun part, right?

Anyway, I thought I would share ..

73 de NT5A, Bob

33236. AW: [ham-antennas] Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 05:05:53 UTC
From: siegfried jackstien
Topic: 33128 Message: 33236

You measure about 0.3-0.4 volts dc?!?

What metals did you use ?!? (maybe you built a big earth "battery")

Dissimilar metals can give up a small dc voltage

(3 copper and 3 iron nails plus some fruits can feed a small radio!!!)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 7. Juli 2014 16:46
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Ground Voltage Potential - EE's please comment
>
>
>
> I've had a nagging little ground loop problem in my shack since I built on
> a house addition that contains my shack 2 years ago and am now digging
> into the problem. I started by breaking down the shack entirely and
> starting over adding one thing back in at a time. I decided to really
> dissect the ground system and see what and if I can find anything. I've
> tried to make sure this newest shack is set-up properly. Yes, I've read
> W5BWC, W8JI, ARRL antenna book, Low Band DXing, etc., and I understand the
> NEC rules and am aware of proper grounding techniques. This is NOT the
> first shack I've set-up.
>
>
>
> Describing the set-up: I've got a tower 170' from the house with a large
> cadwelded lighting rod ring about 20' across with 2/0 copper cables; 6
> rods to tower legs with a 7th rod interconnected with the ring for the
> lightning arrestor system to bond to. All feed lines (7/8" hard line) and
> control lines goes inside conduits to house shack entrance. I've got the
> typical service entrance ground rod mechanically bonded to 6 gauge solid
> ground, which is about 20' in a direct line from the shack entrance. I've
> got an RF ground system under the concrete floor of the shack consisting
> of 7 rods; 6 in a 8' circle with one in the center. They are all
> interconnected in a star pattern by 2" wide solid copper strap that is
> welded to the tops of the rods. The central rod has a 2" strap that
> travels up the wall to the shack entrance. There is another 4 gauge
> bonding wire that travels outside the house to bond the service entrance
> to the shack entrance that is approximately 40 feet long after it zigzags

> around the side of the house. The only thing I have not installed is a
> house halo ground and a buried ground wire from tower to the shack
> entrance, which would require a total of 1,000 feet of 4 gauge solid ($900
> at today's prices). Note the problem I'm about to describe would not be
> changed by installing those grounding sub-systems and would only further
> the lightning arrestor system.
>
>
>
> This next part seems normal. I'm measuring up to 0.4 volt AC difference
> in potential from the neutral pin to the ground pin when loading up my
> dedicated ham shack outlet with my computer and my linear supply just
> idling when measured at the power strip close to the load. When it is not
> under load and all plugs are pulled out of the strip but the strip is
> still energized, it measures zero potential AC or DC. This seems normal.
> As I demand more current, I'm going to have some voltage drop between the
> plug and the panel down the neutral wire. And since I'm measuring it at a
> point some 40 feet down a wire from the panel, some voltage drop must
> occur. And as the load increases, I would expect to see more and more
> voltage difference between the neutral pin at the load and the ground pin
> at the load, which does happen when I bring in a few more items in and
> power them. I'm guessing I'm pulling perhaps 2 amps with the load I have
> going so that seems to jive with 40+ feet of 12 gauge solid.
>
>
>
> Here is where it gets weird. When I un-bond my RF ground from the central
> ground point at the shack entrance, why can I see the same 0.4 volt
> differential voltage between ground pin in the supply cord at the load and
> the RF ground reference strap which is just a mere 20 feet from the
> service entrance ground rod? In addition, I see a .34 volt DC difference
> between these same two points. When I take this same line and remove all
> load from it and measure it's ground pin to the RF ground strap (again,
> un-bonded from the central point) I measure 0.6 volts AC and DC potential.
> I am having trouble wrapping my head around this. I'm beginning to wonder
> if my RF ground system was broken during construction and I'm floating the
> RF ground altogether and it is simply not in contact with the ground, so
> the reading I am seeing is floating stray voltage. It's one theory. Or
> possibly the ground resistance is plenty high enough between the two
> systems and what I am seeing is simply normal stray voltage. I've just
> never seen that kind of voltage potential difference so close on a
> building.
>
>
>
> Maybe I'm missing something or doing something wrong. Or it's just
> normal, but it doesn't seem so to me. Normally, the RF ground will be
> bonded at the central point at the shack entrance and you could never
> measure this difference. I'm just examining all the details.
>

>
>
> Thoughts? I'm baffled.
>
>
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> Note that the RF ground is under concrete and a galvanized steel
> reinforcing mesh. It touches the concrete and the strap that comes up the
> wall touches the concrete. The copper itself is not prone to this in
> concrete, but the galvanized steel mesh in close proximity to the tops of
> the rods is, as the copper could be acting as a cathode. But it would be
> between the rods and the mesh, would it not? I shouldn't cause a problem,
> but I thought I would mention it.
>
>
>
> Scott AC8DE
>
>

33237. AW: [ham-antennas] how telescopic antennas are made

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 05:08:12 UTC
From: siegfried jackstien
Topic: 33174 Message: 33237

The same thing

Only difference is that in a telecopic antenna there are contact "sliders" added in each connection ... and upper end is crimped somewhat (to prevent pulling out the sliders)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 11. Juli 2014 01:17
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] how telescopic antennas are made
>
>
>
> I would like to understand how a telescopic antenna like the one on a
> transistor radio is made. I understand how to make a telescopic pole.
>
>
>
>
> Can anyone point me to come resources ?
>
>
>
>
> Thanks
>
> Hal w4hal
>
>

33238. Re: [ham-antennas] Ground Voltage Potential - EE's please comment

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 09:17:26 UTC
From: Hylton Thompson
Topic: 33128 Message: 33238

It may not be pure D.C.

It could be distorted and asymmetric A.C. with a D.C.
component.

It is worth checking with an ungrounded oscilliscope.

Hilt (g6avl)

On Thu, Jul 17, 2014, at 06:05, 'siegfried jackstien'
[1]siegfried.jackstien@... [ham-antennas] wrote:

You measure about 0.3-0.4 volts dc?!?
What metals did you use ?!? (maybe you built a big earth
"battery")
Dissimilar metals can give up a small dc voltage
(3 copper and 3 iron nails plus some fruits can feed a small
radio!!!)
Dg9bfc
Sigi
> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com
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> Gesendet: Montag, 7. Juli 2014 16:46
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> Scott AC8DE
>
>

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33239. Re: [ham-antennas] 5 Band Portable Vertical - QST article from a few months ago ...

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 11:01:58 UTC
From: David Cole
Topic: 33235 Message: 33239

Hi,
Antenna work is always fun! Your choice for radial count, and length,
seems like a reasonable starting place. I am going to have to go look
up that article now...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-07-16 at 20:59 -0700, Robert Ahrens
robertahrens52@... [ham-antennas] wrote:
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>
> Hi everyone,
>
>
> I spent many hours over the past couple weeks building the 5 band
> vertical which was recently described in QST. I am surprised at how
> long it took to assemble all of the parts! But I feel really good
> about the antenna.
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> I did make one significant change to the original design. I added a
> junction block at about 84" above ground level and made three loading
> coils. The first - for 20M - is simply a jumper. The antenna is 1/4
> wave on 20 and it should work just fine. The 20M "coil" is simply a
> place holder, connecting the top and bottom sections of the 20M
> radiator.
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> The second coil resonates the 20M element on 30M, and the third coil
> resonates it on 40.
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> Interestingly (though perhaps not really a surprise) the 10, 12, 15
> and 17 resonances do not seem to be much affected by plugging in the
> 30M or 40M coil.
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> I will be using 12 16' radials, 2 25' radials and 2 33' radials, for a
> total of 16. Hopefully that will be sufficient to give my TS-440 a
> voice when I am portable in Park City, UT for the next month or so.
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>
> I was able to bring everything into resonance with my mfj analyzer.
> Much trimming and measuring. But that was the fun part, right?
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>
> Anyway, I thought I would share ..
>
>
> 73 de NT5A, Bob
>
>
>

33240. Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 11:28:35 UTC
From: gatewood_bill@...
Topic: 33240 Message: 33240

I am making a dipole and feeding the first part with 450 ohm ladderline than a 1 to 1 balun to rg-213 coax. I have to do it this way. Can I make the ladderline any length I want to or is there a certain length. Multi band dipole 204' long, flat top. Ladderline coming down tree. Thanks

33241. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 11:56:52 UTC
From: Alex Netherton
Topic: 33240 Message: 33241

Well if you can't bring the coax into the shack directly to the tuner, then I suppose you should look up G5RV antennas. The G5RV needs no balun and should not have one.
Lots of people do not like the G5RV. I prefer the antenna described with ladder line all the way to the shack. Mine works great.
73 de KC4BO

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On Jul 17, 2014 7:28 AM, "gatewood_bill@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am making a dipole and feeding the first part with 450 ohm ladderline
> than a 1 to 1 balun to rg-213 coax. I have to do it this way. Can I make
> the ladderline any length I want to or is there a certain length. Multi
> band dipole 204' long, flat top. Ladderline coming down tree. Thanks
>
>

33242. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 12:45:08 UTC
From: Artek Manuals
Topic: 33240 Message: 33242

Bill

Generally speaking the antenna can be fed with any length of ladder line. Some lengths may present a complex impedance at the feed point that on some frequencies is beyond the range of impedance that the your tuner is able to match. There are so many variables (Antenna height, length, ground conductivity) that predicting which frequencies might present a matching problem is nearly impossible. If it were me I would use an extra 10' or so of ladder line, if I then found a band that the tuner couldn't tune I would cut off short sections of the extra 10' till I found a sweet spot., logic being it is easier to cut 6" than it is to keep splicing in longer sections

Dave
NR1DX

On 7/17/2014 6:28 AM, gatewood_bill@... [ham-antennas] wrote:
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> certain length. Multi band dipole 204' long, flat top. Ladderline
> coming down tree. Thanks
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33243. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 13:08:12 UTC
From: Hiro Domanski M0HDD
Topic: 33240 Message: 33243

Hi,

Keep length of the coaxial line at 1/2 eclectic wave for the lowest band
Ladder line in theory could be any length but in practice AVOID 1/4 electric wave length.
Personally I would suggest ladder 1/2

Best regards Hiro m0hdd
73's

Sent from Yahoo Mail for iPad (https://overview.mail.yahoo.com?.src=iOS)

33244. Re: Hustler BTV

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 13:24:45 UTC
From: waltw1@...
Topic: 33203 Message: 33244

You forgot to install radials.

33245. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 14:02:52 UTC
From: Frank Kirschner
Topic: 33240 Message: 33245

Bill,

I agree with Dave. I have a 102-ft version of your setup, and it works fine. I use it as a doublet on 80 to 30, and as a T on 160, loading it against a ground plane. I have 46 states confirmed on LoTW on 160 with it, and got my DXCC using it. (Yours should load up on 160 as a doublet, due to its size.)

I would add a couple of things. First, bring the window line as close to the tuner as you can. If you only have an inch of coax between the balun and the tuner, that would be good. (Some tuners have the balun built in, and that would be even better.) There will be a high SWR on the coax (that your tuner will tune out), and this SWR will cause losses in the coax if it is a long run. I have about three feet of coax, and that seems to be acceptable.

Also, you might consider a 4:1 or 9:1 balun. I tried both, and one was better on some bands, the other on other bands. I went with the 9:1 because it was easier to mount and has screw terminals on the top. See which one gives you the lowest SWR on the bands you are most interested in.

Try to keep the window line at least 6" from the tree trunk and branches. In the rain, the wet wood can effect your SWR and losses.

GL. I'm sure you will enjoy the antenna.

73,
Frank
KF6E

On Thu, Jul 17, 2014 at 8:45 AM, Artek Manuals nr1dx@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Bill
>
> Generally speaking the antenna can be fed with any length of ladder line.
> Some lengths may present a complex impedance at the feed point that on some
> frequencies is beyond the range of impedance that the your tuner is able
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> of ladder line, if I then found a band that the tuner couldn't tune I would
> cut off short sections of the extra 10' till I found a sweet spot., logic
> being it is easier to cut 6" than it is to keep splicing in longer sections
>

> Dave
> NR1DX
>
>

33246. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 14:12:13 UTC
From: enkitec@...
Topic: 33240 Message: 33246

About tuners with the balun built in, what would be the expected
losses due to the balun working on high SWR?
I understand baluns are designed to work with somewhat fixed
impedances.

73,
Mark Jordan
PY3SS

On 17-Jul-14 11:02, Frank Kirschner frank@... [ham-antennas]
wrote:
> Bill,
>
> I agree with Dave. I have a 102-ft version of your setup, and it
> works fine. I use it as a doublet on 80 to 30, and as a T on 160,
> loading it against a ground plane. I have 46 states confirmed on LoTW
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> interested in.
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> Try to keep the window line at least 6" from the tree trunk and
> branches. In the rain, the wet wood can effect your SWR and losses.
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> GL. I'm sure you will enjoy the antenna.
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> 73,
> Frank
> KF6E
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> On Thu, Jul 17, 2014 at 8:45 AM, Artek Manuals nr1dx@...
> <mailto:nr1dx@...> [ham-antennas] <ham-antennas@yahoogroups.com

> <mailto:ham-antennas@yahoogroups.com>> wrote:
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> would cut off short sections of the extra 10' till I found a sweet
> spot., logic being it is easier to cut 6" than it is to keep
> splicing in longer sections
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> Dave
> NR1DX
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>

33247. Re: [ham-antennas] 5 Band Portable Vertical - QST article from a few months ago ...

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 15:00:57 UTC
From: Ken Burchfield
Topic: 33235 Message: 33247

Bob,
Nice job, would you give the QST article reference?
I would like to look it up.
Thanks
73 Ken

PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

On Thursday, July 17, 2014 6:02 AM, "David Cole dave@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi,
Antenna work is always fun! Your choice for radial count, and length, seems like a reasonable starting place. I am going to have to go look up that article now...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-07-16 at 20:59 -0700, Robert Ahrens robertahrens52@... [ham-antennas] wrote:
>
>
> Hi everyone,
>
>
> I spent many hours over the past couple weeks building the 5 band
> vertical which was recently described in QST. I am surprised at how
> long it took to assemble all of the parts! But I feel really good
> about the antenna.
>
>
> I did make one significant change to the original design. I added a
> junction block at about 84" above ground level and made three loading
> coils. The first - for 20M - is simply a jumper. The antenna is 1/4
> wave on 20 and it should work just fine. The 20M "coil" is simply a
> place holder, connecting the top and bottom sections of the 20M

> radiator.
>
>
> The second coil resonates the 20M element on 30M, and the third coil
> resonates it on 40.
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> Interestingly (though perhaps not really a surprise) the 10, 12, 15
> and 17 resonances do not seem to be much affected by plugging in the
> 30M or 40M coil.
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> I was able to bring everything into resonance with my mfj analyzer.
> Much trimming and measuring. But that was the fun part, right?
>
>
> Anyway, I thought I would share ..
>
>
> 73 de NT5A, Bob
>
>
>

Posted by: David Cole <dave@...>

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33248. Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 16:25:56 UTC
From: soona4sail@...
Topic: 33240 Message: 33248

Google "Feedline lengths to avoid" and you will find several usefull links on the subject of ladderline lengths.

I,m not sure why you want to combine ladderline with coax It can cause more problems than not.

Even Mr Varney, creator of the G5RV, admitted in a later article, that his design for the G5RV was completely wrong, and the 30 ft length of ladderline, followed by coax, was very inefficient, and a waste of time.

He revised his design, and suggested the G5RV was best fed with about 80 ft of balanced (ladderline) directly to a tuner. No coax at all.

He was describing the doublet.

Good luck.

33249. Re: [ham-antennas] 5 Band Portable Vertical - QST article from a few months ago ...

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 20:42:55 UTC
From: Robert Ahrens
Topic: 33235 Message: 33249

Yeah, I knew I should include the reference details ... I just did not have them when I did my post.

The details are in the May 2014 QST, starting on page 36.

I used 1.25" PVC pipe about 3" long for my coil forms. I drilled near the end of the forms and press fitted and glued banana plugs. I then drilled holes about 1/4" apart along a line drawn between the banana plugs. These holes were provided to simplify my experimental coil-winding efforts.

I was fortunate to find solder-less banana plugs with a screw to clamp in the lead wire. They also had a hole drilled through them so that another plug could be plugged into the side. This is a fairly common feature these days, though the screw clamp was new to me. These were pretty cheaply made plugs, but seem adequate to the task. I would never use them on a good piece of test equipment!

Anyway, the arrangement made for an elegant plug-in coil form and empirically finding the appropriate number of wire turns was much quicker than the trimming of the other elements had been!

I drilled through the length of a 2" block of wood and stuck two of the plugs into the holes. The holes in the sides of the plugs then provided sockets for my plug-in coil forms, with the added benefit that the width between the holes was adjustable, just in case my quality control was less than perfect between my coil forms. :-)

I glued (JB Weld) the block of wood to a short piece 3/4" PVC pipe which then slips over the WonderPole and slides down to a level above the guy ring and convenient to my reach (I am about 6' tall).

The author's method of using the little hooks (cut from credit card scraps) seems only semi-functional to me. Whenever I had to telescope the pole down to adjust things, at least one of the hooks would come undone and it was sometimes inconvenient to sort things out. There must be a better - more secure - way to attach the elements to their supporting strings. Perhaps a fishing spinner would be a better choice. I will fiddle with that in UT when I set it up for real and will have days to mess with it in place.

I also think that I will tape the top of the 20M element to the top of the pole rather than use the hook/string/rubber band idea. We'll see ...

Your mileage may vary, and there are certainly many ways to accomplish the same things. I will say, the antenna tunes up nicely and I cannot see any reason to think it will not match the performance of any single band

vertical with similar ground system.

73 de NT5A, Bob

On Thu, Jul 17, 2014 at 8:00 AM, Ken Burchfield k5jxl@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Bob,
> Nice job, would you give the QST article reference?
> I would like to look it up.
> Thanks
> 73 Ken
>
> *PacketRadio is Still Alive*
>
> *.....Mississippi.....145.010.....Simplex.....1200 baud Baud*
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> Posted by: David Cole <dave@...>
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33250. Re: [ham-antennas] 5 Band Portable Vertical - QST article from a few months ago ...

Yahoo group: ham-antennas (2014)
Date: 2014-07-17 22:37:21 UTC
From: Ken Burchfield
Topic: 33235 Message: 33250

Bob,
Thanks so much for the reference, I do have the QST, May, 2014.
Now I will have to look it up.
Thanks for your report on your project, in detail.
I enjoy antenna work, and experimenting with them.
73 Ken

 PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

On Thursday, July 17, 2014 3:42 PM, "Robert Ahrens robertahrens52@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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>Posted by: David Cole <dave@...>
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33251. Antenna switch

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 00:40:09 UTC
From: kd8bbk@...
Topic: 33251 Message: 33251

Well hello all. My antenna switch finally went sour on me. I am looking to replace it with a 4 antenna port switch. I run 800 watts max. I was looking at the Alpha Delta 4 postion switch. Can anyone point me in the correct direction?
KD8BBK Tony

33252. RE: [ham-antennas] Antenna switch

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 01:36:09 UTC
From: Scott Myers
Topic: 33251 Message: 33252

For a desktop switch with one rig and 4 antennas, the Alpha Delta is as good as anything, unless you want something fancier or panel mount. Then you have MFJ, Diamond, Jetstream and probably more going to lower cost (but not as well built as Alpha Delta). Jetstream probably costs the least. Then there is a high end German manual switch that Array Solutions carries. Then the next thing is remote switches, which start costing quite a bit.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, July 17, 2014 8:40 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna switch

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KD8BBK Tony

33253. How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 01:52:58 UTC
From: wb2aio@...
Topic: 33253 Message: 33253

My Hygain Explorer 14 has suddenly stopped working on 15 meters. 10 & 20 are fine. My first thought is that a trap has gone bad. It has given years of flawless performance until now. The only thing I can see from the ground with binocular's is that the coax feed line looks taught on it's way from the mast to the balun, but it may have always looked that way when turn to 176 deg., as I seldom beam in that direction. (chasing the w1aw/4 SC now) Going back to the normal polar path didn't correct the problem. Plus, if it pulled the PL259 apart, it'd show on 10/20.
So how does one figure out a trap problem. I assume it is normally the driven element that goes bad.
73,
Kathy, W2NK

33254. Re: [ham-antennas] How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 02:26:37 UTC
From: ka9p@...
Topic: 33253 Message: 33254

If you haven't seen the Mosley paper on diagnosing trap issues, it's at this link. http://www.mosley-electronics.com/pdf/checkingtraps.pdf

Your trap system is different, of course, but a lot of the principles are the same.

If you have or can borrow an antenna analyzer it would be interesting to see if that trap is resonating above or below 15 or just not at all. If 20 is working right, a failed 15 meter trap probably has to offering the same loading to the element as a good one, which I suppose can happen with a shifted resonance if the inductor ain't affected but the internal capacity is.

Good luck, hope it doesn't need to come down. I just finished rebuilding some failed Mosley traps to make a Field Day antenna, and it was kinda fun after the first one :(

73 Scott

In a message dated 7/17/2014 8:53:00 P.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

My Hygain Explorer 14 has suddenly stopped working on 15 meters. 10 & 20 are fine. My first thought is that a trap has gone bad. It has given years of flawless performance until now.
The only thing I can see from the ground with binocular's is that the coax feed line looks taught on it's way from the mast to the balun, but it may have always looked that way when turn to 176 deg., as I seldom beam in that direction. (chasing the w1aw/4 SC now) Going back to the normal polar path didn't correct the problem. Plus, if it pulled the PL259 apart, it'd show on 10/20.
So how does one figure out a trap problem. I assume it is normally the driven element that goes bad.
73,
Kathy, W2NK

33255. Re: Antenna switch

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 02:34:08 UTC
From: p_chap@...
Topic: 33251 Message: 33255

Hi Tony:

Based on my personal experience, you are headed in the right direction looking toward Alpha Delta. I have three four position. One is a four position that I am trying to get a console container for to feed to the antenna tuner. The other two are the console models that switch radios and antennas around. The console model is the same switch as the $99 model, which means that the console is a $50 add on. I honestly thought I might have been a bit over the top buying it. Within five minutes of putting it in, I changed my mind. It is heavy, it is stable and does not walk around, it is angled well so you can see what you are switching from and to. It also has ground lugs. Well worth the extra bucks.

Paul
WA4NUN

33256. Re: [ham-antennas] How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 02:50:03 UTC
From: jimbo
Topic: 33253 Message: 33256

trap has gone bad. take it apart clean it it well work again
On 7/17/2014 6:52 PM, wb2aio@... [ham-antennas] wrote:
> trap has gone bad.

33257. Re: [ham-antennas] How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 02:54:07 UTC
From: jimbo
Topic: 33253 Message: 33257

trap has gone bad. what drives or element the trap ham nation shows you how to clean it it is not your ground it is your trap its just a pain in the butt to get it down to do it but if you had that ant--- for many years it is about time you take it down and clean it good luck
On 7/17/2014 6:52 PM, wb2aio@... [ham-antennas] wrote:
> trap has gone bad.

33258. Re: [ham-antennas] How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 03:05:28 UTC
From: Artek Manuals
Topic: 33253 Message: 33258

KATHY

I always used a grid dip meter in the past when chasing traps on Cushman A4

Dave
NR1DX

On 7/17/2014 8:52 PM, wb2aio@... [ham-antennas] wrote:
>
> My Hygain Explorer 14 has suddenly stopped working on 15 meters. 10 &
> 20 are fine. My first thought is that a trap has gone bad. It has
> given years of flawless performance until now.
> The only thing I can see from the ground with binocular's is that the
> coax feed line looks taught on it's way from the mast to the balun,
> but it may have always looked that way when turn to 176 deg., as I
> seldom beam in that direction. (chasing the w1aw/4 SC now) Going back
> to the normal polar path didn't correct the problem. Plus, if it
> pulled the PL259 apart, it'd show on 10/20.
> So how does one figure out a trap problem. I assume it is normally the
> driven element that goes bad.
> 73,
> Kathy, W2NK
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33259. Tuning a coax J-Pole

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 03:41:59 UTC
From: gtbecker@...
Topic: 33259 Message: 33259

Hi, folks. I'm a longtime ex-ham who never lost the antenna-building bug, whose roof is littered with wire and, mostly, VHF verticals - but I also stream VLF (spherics) and fast-scanned marine VHF.

I've built many coax J-Poles over the years, supporting them in fiberglass tubing that holds them vertical well. They've made fine receive antennas.

Recently, I replaced a commercial VHF whip on my boat with one of these home-brew J-Poles, but found the VSWR was ~3:1. Rather than rip the heatshrink off, dismantling, and experimentally cutting and reassembling the antenna as required, I found that I could apparently tune the antenna by sliding a wrapped ~2"-wide section of several layers of aluminum foil around the heat-shrunk coax near the base of the J. I was able to find 1.2:1, and locked the foil in place with another layer of heatshrink.

Does this low VSWR (measured at the antenna) necessarily mean the antenna is radiating well, despite the unusual tuning method, or can I be fooled?

73

Tom Becker
Cape Coral
http://46.4.26.83/vlf9 http://46.4.26.83/vlf9 Cape Coral VLF <16kHz, Lightning, spherics
http://46.4.26.83/vhf9 http://46.4.26.83/vhf9 Cape Coral All-channel Marine VHF

http://46.4.26.83/amb9 http://46.4.26.83/amb9 Cape Coral Ambient Stereo

33260. RE: [ham-antennas] Re: Antenna switch

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 04:08:44 UTC
From: jim burns
Topic: 33251 Message: 33260

Hi Paul,

Please contact me offline at jfburns@....

Thank You !

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, July 17, 2014 10:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Antenna switch

Hi Tony:

Based on my personal experience, you are headed in the right direction looking toward Alpha Delta. I have three four position. One is a four position that I am trying to get a console container for to feed to the antenna tuner. The other two are the console models that switch radios and antennas around. The console model is the same switch as the $99 model, which means that the console is a $50 add on. I honestly thought I might have been a bit over the top buying it. Within five minutes of putting it in, I changed my mind. It is heavy, it is stable and does not walk around, it is angled well so you can see what you are switching from and to. It also has ground lugs. Well worth the extra bucks.

Paul
WA4NUN

33261. Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 11:18:20 UTC
From: KB3YRC
Topic: 33261 Message: 33261

I have a 75 meter dipole in trees strung from trees East & West. It is about 45 Feet off the ground at each end and 25 feet off the ground in the center.

Each end had an L drop of 2-3 Feet. So most of my pattern is North & South but what do the two drops do?

Richard

33262. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 11:34:04 UTC
From: Don Sanders
Topic: 33261 Message: 33262

resonate the antenna

At 25 to 40 foot your 80 meter pattern will be near omni with a slight
buldge North and South

Don W4BWS

On Fri, Jul 18, 2014 at 6:18 AM, 'KB3YRC' kb3yrc@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> I have a 75 meter dipole in trees strung from trees East & West. It is
> about 45 Feet off the ground at each end and 25 feet off the ground in the
> center.
>
> Each end had an L drop of 2-3 Feet. So most of my pattern is North &
> South but what do the two drops do?
>
>
>
> Richard
>
>
>

--
Dr. Don W4BWS

33263. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 11:52:28 UTC
From: David V Colton
Topic: 33261 Message: 33263

As Don said: It helps "match" (lower the SWR,) from the antenna to your rig. That little L is less than 3% of the antenna length.
Just make sure that the end's are no where near anything conductive. (The voltage at the ends of the dipole will be quite high.
73,
Dave-KJ4PF

-----Original Message-----
From: Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Jul 18, 2014 7:34 am
Subject: Re: [ham-antennas] Antenna pattern

resonate the antenna

At 25 to 40 foot your 80 meter pattern will be near omni with a slight buldge North and South

Don W4BWS

On Fri, Jul 18, 2014 at 6:18 AM, 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I have a 75 meter dipole in trees strung from trees East & West. It is about 45 Feet off the ground at each end and 25 feet off the ground in the center.
Each end had an L drop of 2-3 Feet. So most of my pattern is North & South but what do the two drops do?

Richard

--
Dr. Don W4BWS

33264. RE: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 12:41:04 UTC
From: KB3YRC
Topic: 33261 Message: 33264

I was 1.2-1 when I last checked it No the ends are in the clear

Quite high ? at 100 watts or with a 1 K amp ay 600 watts

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 18, 2014 7:52 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna pattern

As Don said: It helps "match" (lower the SWR,) from the antenna to your rig. That little L is less than 3% of the antenna length.

Just make sure that the end's are no where near anything conductive. (The voltage at the ends of the dipole will be quite high.

73,

Dave-KJ4PF

-----Original Message-----
From: Don Sanders w4bws1@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Jul 18, 2014 7:34 am
Subject: Re: [ham-antennas] Antenna pattern

resonate the antenna

At 25 to 40 foot your 80 meter pattern will be near omni with a slight buldge North and South

Don W4BWS

On Fri, Jul 18, 2014 at 6:18 AM, 'KB3YRC' kb3yrc@comcast.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I have a 75 meter dipole in trees strung from trees East & West. It is about 45 Feet off the ground at each end and 25 feet off the ground in the center.

Each end had an L drop of 2-3 Feet. So most of my pattern is North & South but what do the two drops do?

Richard

--
Dr. Don W4BWS

33265. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 12:59:13 UTC
From: Joe
Topic: 33261 Message: 33265
Attachments: 1 described; binary payloads are missing from this source WARC

Actually at that height, your pattern is mostly omnidirectional and the
most of your power it straight up.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/18/2014 6:18 AM, 'KB3YRC' kb3yrc@... [ham-antennas] wrote:
>
>
> I have a 75 meter dipole in trees strung from trees East & West. It is
> about 45 Feet off the ground at each end and 25 feet off the ground in
> the center.
>
> Each end had an L drop of 2-3 Feet. So most of my pattern is North &
> South but what do the two drops do?
>
> Richard
>
>
>
>

33266. RE: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 13:20:19 UTC
From: KB3YRC
Topic: 33261 Message: 33266

Is that good?

I had one of those clocks

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 18, 2014 8:59 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna pattern

Actually at that height, your pattern is mostly omnidirectional and the most of your power it straight up.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com> http://www.idle-tyme.com

On 7/18/2014 6:18 AM, 'KB3YRC' kb3yrc@... [ham-antennas] wrote:

I have a 75 meter dipole in trees strung from trees East & West. It is about 45 Feet off the ground at each end and 25 feet off the ground in the center.

Each end had an L drop of 2-3 Feet. So most of my pattern is North & South but what do the two drops do?

Richard

[Non-text portions of this message have been removed]

33267. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 13:44:27 UTC
From: Joe
Topic: 33261 Message: 33267
Attachments: 1 described; binary payloads are missing from this source WARC

Is what good?

That most of your power is straight up?

That all depends on where you want to communicate with. If you want to communicate with rather close in people. Then YES. but if you want far away places, then NO.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/18/2014 8:20 AM, 'KB3YRC' kb3yrc@... [ham-antennas] wrote:
> Is that good?
>
>
>
> I had one of those clocks
>
>
>
> Richard
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, July 18, 2014 8:59 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Antenna pattern
>
>
>
>
>
> Actually at that height, your pattern is mostly omnidirectional and the most
> of your power it straight up.
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com

> <http://www.idle-tyme.com> http://www.idle-tyme.com
>
> On 7/18/2014 6:18 AM, 'KB3YRC' kb3yrc@... [ham-antennas] wrote:
>
> I have a 75 meter dipole in trees strung from trees East & West. It is about
> 45 Feet off the ground at each end and 25 feet off the ground in the center.
>
> Each end had an L drop of 2-3 Feet. So most of my pattern is North & South
> but what do the two drops do?
>
>
>
> Richard
>
>
>
>
>
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ---
> Posted by: "KB3YRC" <KB3YRC@...>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> ---
>
> Yahoo Groups Links
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>
>
>

33268. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 15:15:34 UTC
From: Ron Youvan
Topic: 33261 Message: 33268

Richard 'KB3YRC' kb3yrc@... wrote:

> I have a 75 meter dipole in trees strung from trees East & West. It is
> about 45 Feet off the ground at each end and 25 feet off the ground in
> the center.

> Each end had an L drop of 2-3 Feet. So most of my pattern is North &
> South but what do the two drops do?

My opinion is: Nuten' honey, save tune it to it's current frequency.
If you can restore the "end droop" and bring up the center, where the
current is highest, you will help yourself.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33269. RE: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 15:42:12 UTC
From: KB3YRC
Topic: 33261 Message: 33269

The one tree is locust and I have broken off two branches already.

I have the most pressure on branch it can handle.

The coax in the center weights it down.

A line in each tree over a branch with a pulley's one on each end at about
45-50 feet.

The wire goes through the pulley to and insulator and cord to the ground.

I can raise and lower all parts The pulley's are at the highest I can get
them without using a sling shot.

Tuned 1.2 - 1 at 3.99

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 18, 2014 11:16 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna pattern

Richard 'KB3YRC' kb3yrc@... wrote:

> I have a 75 meter dipole in trees strung from trees East & West. It is
> about 45 Feet off the ground at each end and 25 feet off the ground in
> the center.

> Each end had an L drop of 2-3 Feet. So most of my pattern is North &
> South but what do the two drops do?

My opinion is: Nuten' honey, save tune it to it's current frequency.
If you can restore the "end droop" and bring up the center, where the
current is highest, you will help yourself.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33270. Re: Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 16:00:17 UTC
From: Mr Wilton
Topic: 33261 Message: 33270

ooh you need someone t analyse that.

Ive found a 10 foot drop really improves swr, dont know about pattern though.

Someone will take the challenge im sure on mmana gal or eznec etc

--
Kindest Regards

Simon N Wilton (IT Consultant) VA3SII G7HCD Woodstock Ontario...

"The Wisest Investment You"ll Ever Make Is In YOURSELF - Have fun everyday" and remember
When you're right, no one remembers. When you're wrong, no one forgets.

33271. Re: [ham-antennas] Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 16:00:53 UTC
From: Andy
Topic: 33261 Message: 33271

With the right conditions you can get kilovolts even from QRP power levels.
It's a matter of where you look, and what the impedance is at that point.

At the far ends of a dipole, the voltages are quite high.

Don't forget, a kilowatt is only 3.2 times as much voltage as 100 watts.
It's not a huge difference.

Most of the radiation from a dipole comes from the middle third to half of
the antenna. The ends contribute relatively little to it. If the parts of
the ends that drop are only 2-3 feet, I'd say their effect would be
insignificant.

You aren't sending *all* your signal straight up, but that is where the
best signal goes from a lower dipole on 75 meters. Many people strive for
that to happen; it's called NVIS. But there will be radiation out towards
the horizon too; just not as much as if your dipole was up at a hundred
feet or more elevation.

Andy

33272. Just curious.

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 18:50:09 UTC
From: Tom Horton
Topic: 33272 Message: 33272

I have a two element 5 band quad. It works very well and I intend to keep it. I've been using quads for around 50 years.
 The boom on it is 8 feet long. I would love to know what would happen if I cut the boom down to 6 1/2 feet?? I know it would lose some, but just how much?
 Anyone have time to run something like that thru EZ-Nec or the like?
 I planted the tower just a bit too close to the house to be able to let it all the way down on the hazer.
73 and thanks...

Tom K5IID

There is no joy in Mudville!
http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

33273. RE: [ham-antennas] Just curious.

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 19:03:18 UTC
From: KB3YRC
Topic: 33272 Message: 33273

I'd say you would lessen the gain, and have to retune the hole antenna.

Richard KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 18, 2014 2:50 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Just curious.

I have a two element 5 band quad. It works very well and I intend to keep it. I've been using quads for around 50 years.

The boom on it is 8 feet long. I would love to know what would happen if I cut the boom down to 6 1/2 feet?? I know it would lose some, but just how much?
Anyone have time to run something like that thru EZ-Nec or the like?

I planted the tower just a bit too close to the house to be able to let it all the way down on the hazer.

73 and thanks...

Tom K5IID

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http://www.dfwcontest.com

K5IID Tom Horton Hillsboro, TX
E sorter for ARRL W5 bureau
Same call for 57 years!

33274. Re: [ham-antennas] Re: Antenna pattern

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 20:17:07 UTC
From: Ron Youvan
Topic: 33261 Message: 33274

Mr Wilton simon.wilton@... wrote:

> ooh you need someone to analyse that.

> Ive found a 10 foot drop really improves swr, don't know about pattern
> though.

> Someone will take the challenge I'm sure on mmana gal or eznec etc

I think you will find, the closer to the ground a Voltage antenna
gets, the more power is being conducted into the dirt. A good resistor.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33275. AW: [ham-antennas] Tuning a coax J-Pole

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 21:46:34 UTC
From: siegfried jackstien
Topic: 33259 Message: 33275

No it does not mean the antenna works well

Remember a dummy also has a low swr but does not radiate well

... if your low swr comes from losses then the antenna does not radiate well ... coax j pole can have a loss of 10 db or more when using coax as the quarterwave part!!!

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 18. Juli 2014 03:42
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Tuning a coax J-Pole
>
>
>
> Hi, folks. I'm a longtime ex-ham who never lost the antenna-building bug,
> whose roof is littered with wire and, mostly, VHF verticals - but I also
> stream VLF (spherics) and fast-scanned marine VHF.
>
> I've built many coax J-Poles over the years, supporting them in fiberglass
> tubing that holds them vertical well. They've made fine receive antennas.
>
> Recently, I replaced a commercial VHF whip on my boat with one of these
> home-brew J-Poles, but found the VSWR was ~3:1. Rather than rip the
> heatshrink off, dismantling, and experimentally cutting and reassembling
> the antenna as required, I found that I could apparently tune the antenna
> by sliding a wrapped ~2"-wide section of several layers of aluminum foil
> around the heat-shrunk coax near the base of the J. I was able to find
> 1.2:1, and locked the foil in place with another layer of heatshrink.
>
> Does this low VSWR (measured at the antenna) necessarily mean the antenna
> is radiating well, despite the unusual tuning method, or can I be fooled?
>
> 73
>
> Tom Becker
> Cape Coral
> http://46.4.26.83/vlf9 Cape Coral VLF <16kHz, Lightning, spherics
> http://46.4.26.83/vhf9 Cape Coral All-channel Marine VHF
>
> http://46.4.26.83/amb9 Cape Coral Ambient Stereo

>
>
>
>

33276. AW: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 21:51:48 UTC
From: siegfried jackstien
Topic: 33240 Message: 33276

Can be any between 0 and 10s of dbs

That depends on what tuner you have (high pass or low pass l, t or pi tuner circuit ... and what impedance to transform)

Dg9bfc

Sigi

Ps look for tuner shootout here

http://www.dj0ip.de/antenna-matchboxes/matchbox-shoot-out/

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 17. Juli 2014 14:12
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Ladderline length
>
>
>
>
> About tuners with the balun built in, what would be the expected
> losses due to the balun working on high SWR?
> I understand baluns are designed to work with somewhat fixed
> impedances.
>
> 73,
> Mark Jordan
> PY3SS
>
>
> On 17-Jul-14 11:02, Frank Kirschner frank@... [ham-antennas]
> wrote:
>
>
> Bill,
>
> I agree with Dave. I have a 102-ft version of your setup, and it
> works fine. I use it as a doublet on 80 to 30, and as a T on 160, loading
> it against a ground plane. I have 46 states confirmed on LoTW on 160 with
> it, and got my DXCC using it. (Yours should load up on 160 as a doublet,
> due to its size.)
>
>
> I would add a couple of things. First, bring the window line as

> close to the tuner as you can. If you only have an inch of coax between
> the balun and the tuner, that would be good. (Some tuners have the balun
> built in, and that would be even better.) There will be a high SWR on the
> coax (that your tuner will tune out), and this SWR will cause losses in
> the coax if it is a long run. I have about three feet of coax, and that
> seems to be acceptable.
>
>
> Also, you might consider a 4:1 or 9:1 balun. I tried both, and one
> was better on some bands, the other on other bands. I went with the 9:1
> because it was easier to mount and has screw terminals on the top. See
> which one gives you the lowest SWR on the bands you are most interested
> in.
>
>
> Try to keep the window line at least 6" from the tree trunk and
> branches. In the rain, the wet wood can effect your SWR and losses.
>
>
> GL. I'm sure you will enjoy the antenna.
>
> 73,
>
> Frank
> KF6E
>
>
>
> On Thu, Jul 17, 2014 at 8:45 AM, Artek Manuals nr1dx@... [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
>
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>
>
> Bill
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> Generally speaking the antenna can be fed with any length of
> ladder line. Some lengths may present a complex impedance at the feed
> point that on some frequencies is beyond the range of impedance that the
> your tuner is able to match. There are so many variables (Antenna height,
> length, ground conductivity) that predicting which frequencies might
> present a matching problem is nearly impossible. If it were me I would use
> an extra 10' or so of ladder line, if I then found a band that the tuner
> couldn't tune I would cut off short sections of the extra 10' till I found
> a sweet spot., logic being it is easier to cut 6" than it is to keep
> splicing in longer sections
>
> Dave

> NR1DX
>
>
>
>
>

33277. Re: [ham-antennas] Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 22:09:51 UTC
From: Alex Netherton
Topic: 33240 Message: 33277

Like the fellow said, Varney (G5RV) even admitted that balanced line clear to the tuner was a better way to go. The balun is not needed until the balanced line gets to the tuner. Many MFJ tuners have a balun built in.

I am running a 102 foot center fed with balanced line into the shack. It is from MFJ, the MFJ-1777 (too hot to get on the air to make my own). In the last year since I got active again, not getting on every day, just piddling around, I have worked 67 countries, and states all over. Generally, if I can hear them, I can work them. For pileups I have the help of an old Heathkit SB-200. Tuners here in the shack are a LDG AT-100ProII autotuner, and I have been known to put the 4:1 balun on with a double PL-259, or just a 3 foot piece of coax. Also a MFJ-993B autotuner, which has a balun in the box. Works great. The main tuner here now, since high power came in is an old Heathkit SA-2040, which has a built in balun. (I had to replace the balun since some modder had taken it out, but I digress.)

If you use a tuner, and it has a balun built in, you are golden. If you use a balun, put it as close to the tuner as possible, and make it a 4:1. If you use a random bit of balanced line and put in a balun and hope it will tune without a tuner, then you need to do some homework, because it will not tune. Tuners for 100 watts are quite affordable, especially used. 500 watt tuners are a little more, even used. 1000 watt tuners are up there.

Gud luk es 73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Fri, Jul 18, 2014 at 5:51 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Can be any between 0 and 10s of dbs
>
> That depends on what tuner you have (high pass or low pass l, t or pi tuner
> circuit ... and what impedance to transform)
>
> Dg9bfc
>
> Sigi
>
> Ps look for tuner shootout here
>

> http://www.dj0ip.de/antenna-matchboxes/matchbox-shoot-out/
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 17. Juli 2014 14:12
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Ladderline length
>
> >
> >
> >
> >
> > About tuners with the balun built in, what would be the expected
> > losses due to the balun working on high SWR?
> > I understand baluns are designed to work with somewhat fixed
> > impedances.
> >
> > 73,
> > Mark Jordan
> > PY3SS
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> > On 17-Jul-14 11:02, Frank Kirschner frank@fkirschner.net [ham-antennas]
> > wrote:
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> > Bill,
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> > the balun and the tuner, that would be good. (Some tuners have the balun
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> > a sweet spot., logic being it is easier to cut 6" than it is to keep
> > splicing in longer sections
> >
> > Dave
> > NR1DX
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33278. Re: [ham-antennas] Just curious.

Yahoo group: ham-antennas (2014)
Date: 2014-07-18 22:22:52 UTC
From: Don Sanders
Topic: 33272 Message: 33278

Yes, the gain will drop and the increased coupling may reduce the SWR bandwidth.
Of course you could add a 20 meter director inside the reflector and have a bi-directional radiation.
Close spaced beams and quads usually are driven and director combination.

Don W4BWS

On Fri, Jul 18, 2014 at 1:50 PM, Tom Horton k5iid@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I have a two element 5 band quad. It works very well and I intend to keep
> it. I've been using quads for around 50 years.
> The boom on it is 8 feet long. I would love to know what would happen if
> I cut the boom down to 6 1/2 feet?? I know it would lose some, but just how
> much?
> Anyone have time to run something like that thru EZ-Nec or the like?
> I planted the tower just a bit too close to the house to be able to let
> it all the way down on the hazer.
> 73 and thanks...
>
> Tom K5IID
>
>
> There is no joy in Mudville!
> http://www.dfwcontest.com
>
>
>
>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>
>
>

--
Dr. Don W4BWS

33279. Re: [ham-antennas] Just curious.

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 00:13:17 UTC
From: Artek Manuals
Topic: 33272 Message: 33279

Tom

Assuming that this was an optimized design to begin with and if you did nothing to the length of any of the loops. then over all performance would be degraded, for gain, F/B and SWR

With a lot of modeling you could probably arrive at new lengths that would in some cases only be down a few tenths of a d/b on some of the lower bands and might even be an improvement on some of the higher bands. Not a trivial exercise in terms of the time investment.

There are a lot of very capable FREE modeling programs out there such as MMANA-GAL and this would be the perfect project for YOU to learn on :-)

Regards
Dave
NR1DX

On 7/18/2014 1:50 PM, Tom Horton k5iid@... [ham-antennas] wrote:
> I have a two element 5 band quad. It works very well and I intend to
> keep it. I've been using quads for around 50 years.
> The boom on it is 8 feet long. I would love to know what would happen
> if I cut the boom down to 6 1/2 feet?? I know it would lose some, but
> just how much?
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> let it all the way down on the hazer.
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>
>
>
>
> K5IID Tom Horton Hillsboro, TX
> E sorter for ARRL W5 bureau
> Same call for 57 years!
>

--
Dave
Manuals@...

www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33280. Re: [ham-antennas] Tuning a coax J-Pole

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 06:01:25 UTC
From: Ron Youvan
Topic: 33259 Message: 33280

On 07/17/2014 11:41 PM, gtbecker@... [ham-antennas] wrote:

/*snip*/
> the antenna as required, I found that I could apparently tune the
> antenna by sliding a wrapped ~2"-wide section of several layers of
> aluminum foil around the heat-shrunk coax near the base of the J. I was
> able to find 1.2:1, and locked the foil in place with another layer of
> heatshrink.

> Does this low VSWR (measured at the antenna) necessarily mean the
> antenna is radiating well, despite the unusual tuning method, or can I
> be fooled?

I think you are very clever, I also think you did what goes on inside
of waveguide when it is "dent tuned." You added a "lump" of capacitance
at the right distance to effect the natural resonant frequency. I
believe you are golden, but only you can compare it's performance to
another of your creations to be very sure.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33281. Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 08:51:28 UTC
From: Jeffrey Lord
Topic: 33240 Message: 33281

Mfj941e has a balun but it is not in circuit with the coax connectors only with long line / dipole wire terminals
Mine failed ??? And I rewound it , checked the tuner and all was good
Jeff
Vk4fnrs

Sent from my iPhone

33282. RE: [ham-antennas] Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 11:35:48 UTC
From: Hiro Domanski M0HDD
Topic: 33240 Message: 33282

Hi,

Regarding to the balun and ATU's
My experience shows that balun should be on INPUT instead of OUTPUT terminals of ATU
But let's say it clear, there is NOT only one right option.
Balun can be placed in different place of feeding line between TX and ANT if you do proper antenna system engineering.

73's m0hdd

Sent from Yahoo Mail for iPad (https://overview.mail.yahoo.com?.src=iOS)

33283. Re: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 16:02:44 UTC
From: Hylton Conacher (ZR1HPC)
Topic: 32791 Message: 33283

On 13/06/14 21:37, Alex Netherton anetherton@... [ham-antennas] wrote:
> Depends on how tight you pull it. Support the feed point and very
> little. Pull the ends to make it tight, lifting the feed point, coax and
> feed line and it can be a lot.

Thank you to all for the input, especially Kd0zz.

Unfortunately I cannot support the centre feed point as it transverses my undulating concrete tile roof, so some sag there will have to be :(

The only other option is to attach the centre feed point of the G%RV onto one of the upright poles and then run both 'sides' of the G5RV parallel to one another, using drilled PVC conduit as spacers to keep them apart, until I can attach the end of each 'side' to an insulator tied to the second pole.

I have a 'sneaking' suspicion however that this will yield the antenna dead, as it is essentially a long-wire radiating into the ground leg of the antenna.

I have done some Google searches and have read the ARRL Antenna Book and noting a mirror image of the antenna in the ground, although I just don't understand how a signal transmitted bounces off the ground, real or antenna ground, especially from a horizontal piece of wire that has a doughnut radiation pattern around the length of the 'live' wire?
What length Is the radius of the doughnut, of course in free space since there are no physical barriers i.e. roof tiles. I would assume that this would be determined by the frequency but what formula would be used to work it out?

I realise explaining these is complex and if you can put me onto a website/s that can explain it with diagrams, please pass them on.

Appreciated and 73 de ZR1HPC
Hylton
P.S: Subscribed to the list but pvt email is hylton@...

33284. Re: [ham-antennas] G%RV weight?

Yahoo group: ham-antennas (2014)
Date: 2014-07-19 17:09:21 UTC
From: Original Woodchuck
Topic: 32791 Message: 33284

On Sat, Jul 19, 2014 at 06:02:44PM +0200, 'Hylton Conacher (ZR1HPC)' hylton@...
[ham-antennas] wrote:
> On 13/06/14 21:37, Alex Netherton anetherton@... [ham-antennas] wrote:
> > Depends on how tight you pull it. Support the feed point and very
> > little. Pull the ends to make it tight, lifting the feed point, coax and
> > feed line and it can be a lot.
>
> Thank you to all for the input, especially Kd0zz.
>
> Unfortunately I cannot support the centre feed point as it transverses
> my undulating concrete tile roof, so some sag there will have to be :(
>
> The only other option is to attach the centre feed point of the G%RV
> onto one of the upright poles and then run both 'sides' of the G5RV
> parallel to one another, using drilled PVC conduit as spacers to keep
> them apart, until I can attach the end of each 'side' to an insulator
> tied to the second pole.
>
> I have a 'sneaking' suspicion however that this will yield the antenna
> dead, as it is essentially a long-wire radiating into the ground leg of
> the antenna.

Yes. What you will have is not an antenna, but a transmission line.
The two branches being parallel -- think of it -- how is it different
from a length of ladder line? Answer: no different. To be more physical,
recognize that there are currents in each leg, and that these currents
are of the same magnitude, but of opposite direction, hence as the
currents change, and each leg generates a field, the fields cancel.
Now, you can get some radiation from such a beast if you can induce
"common mode current" like the currents in the outside of a coax shield.
But that's not going to be reliable.

In fact, one of the textbooks I've seen on antennas uses this as an
example: you start with a parallel transmission line, and slowly open
out the arms, first a narrow V shape, then an obvious V, finally the
arms are in the shape of a dipole. As this process proceeds, you are
looking at the field created, always at right angles to the final dipole,
i.e. in the direction of the original transmission line. You look at
the filed parallel and perpendicular; you take a vector sum, the result is
what results from the radiation.

In your case, you'd be better off just running one half the transmission
line; the resulting antenna is an "End Fed Zepp", discussed in all the
right books and manuals.

> I have done some Google searches and have read the ARRL Antenna Book and
> noting a mirror image of the antenna in the ground, although I just

This is, I believe, a mathematical convenience. Go look in a mirror.
Is there really another you, your mirror image, in the space behind
the mirror? Your cat, being a more rational beast, believes there is,
and will check that space for the second cat.

> don't understand how a signal transmitted bounces off the ground, real

Do you know how light bounces from a mirror, or is refracted in a lens?

Radio waves are light waves. (Not "are like", but "are".) It's the very
same sort of process.

> or antenna ground, especially from a horizontal piece of wire that has a
> doughnut radiation pattern around the length of the 'live' wire?
> What length Is the radius of the doughnut, of course in free space since
> there are no physical barriers i.e. roof tiles. I would assume that this
> would be determined by the frequency but what formula would be used to
> work it out?

Take a second look at that doughnut, at the graph of that doughnut.
The coordinates are angles (assuming a three dimensional graph), and
something else, what you are calling distance. It's not a distance,
though! It's far-field strength. So these graphs are really in what
is called "phase space", not "physical space". Imagine we have a rod
of metal, one end of which is in a flame, the other in a bucket of ice.
We could make a plot of distance along the rod, the temperature of the
rod, and perhaps add a third axis, time since flame turned on. We'd get
a nice surface, that thermodynamicists could calculate for us using the
"Heat Equation". But there would be no *physical* structure corresponding
to the "shape" plotted.

Moral: always check what the axes are in a plot of anything!

> I realise explaining these is complex and if you can put me onto a
> website/s that can explain it with diagrams, please pass them on.

The Antenna Book does it fairly well. If you're "technical", a college
textbook on "Antenna Theory" will do it in bloody detail. The usual
texts are two, one by Krause (a ham/professor) the other by Balanis.
If you like differential equations and so on, these are for you.
Cheap editions can be obtained from India. (Due to a court case, this
is now 100% legal in the USA, I expect that in ZA they can also be found
as a matter of course at booksellers, or can be ordered from India.)

73 Dave AB3NR

33285. Modifying a Jetstream JTV680

Yahoo group: ham-antennas (2014)
Date: 2014-07-20 04:11:40 UTC
From: kb8dns@...
Topic: 33285 Message: 33285

I have a poorly working Jetstream JTV680, It is only partially working and I would like to redo the load coil so that it does work. Granted the antenna was received for a low price, I swapped a SW receiver for it, I do not mind changing it to work better.
Talking about adding a larger coil and or some sort of capacitor so I can tune the antenna with better results. I know I may get some 'flaming' from this but I know most HAMs are a curious bunch and more than happy to modify, build, alter and change things for the better!
I have some older Cushcraft commercial head end cable TV yagis for near the 220 mHz band and 6 meter band.... soon to be amateur antennas!

Thanks for any input! 73 Rod KB8DNS

33286. Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-20 15:04:38 UTC
From: tony costa
Topic: 33240 Message: 33286

forget the built in MFJ 4:1 balun. It is a joke. get a balun design 1:1 5KW tuner balun. Best balun available..Had mine for 7 years and still in use. It takes severe mismatches without a hiccup. the best 65.00 i have spent. Also he is very knowledgable and learned a lot about antennas and feedlines from him. He is a lot like julus (w2ihy) Both are great people and an asset to the ham comunity. On a side note. If your ladderline doublet is around 130' long you must run between 95 and 110 feet of 450 ohm ladderline to get a decent match on 80-10 meters. 73

tony k2vi

33287. Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-20 18:14:48 UTC
From: soona4sail@...
Topic: 33240 Message: 33287

Could not agree more about the Balun Design baluns. Good old fashioned hand made quality, and worth every penny!!!

And yes, the MFJ built in baluns are a joke!!

33288. Re: Ladderline length

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 04:47:19 UTC
From: p_chap@...
Topic: 33240 Message: 33288

Tony:

I totally back up your statements. The guy at Balun Designs, (Bob, I believe) is a class act. I have talked to him twice and learned a lot. I have a minor issue with a forty meter dipole not getting better than 1.5:1. I put my AA54 analyzer on it, and then compared it to a 20 dipole that was flat. I spit out all of the readings on the rig expert yahoo group asking for interpretation without an answer for several days. Out of a bit of frustration, gave BD a call.
Within a very few minutes of conversation I realized that my thinking was reversed. The twenty meter antenna actually needs a little help, and after hanging up the phone, I realized the slightly elevated SWR on the 40 with the balun had two issues that I need to address that have nothing to do with the balun....I will report my findings later after I pull the antenna down and change the feedline elevation and make one other change. I am very optimistic the SWR will go flat.....Yep I would buy another one.

Paul
WA4NUN

33289. Re: How to diagnose a bad trap on a tribander?

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 15:07:02 UTC
From: wb2aio@...
Topic: 33253 Message: 33289

Hi,
I wanted to give an update to my antenna problem. First I want to thank those who responded. Good ideas and thoughts. If you take a look on my QRZ page(W2NK) and click on the photo, you can see my set up. (Only no snow now:)) Got my 32' ladder out, which reaches to the edge of the dormer when on my deck, and went up and climbed my tri-pod to the antenna. 1. coax wasn't taut, just looked that way from ground, so wasn't coax pulling out of ballun. 2. coax is good, no shorts and not open (couple trips up and down to check, it would be nice to have a helper) 3. visual inspection shows nothing amiss. 4. all connections are tight. 5. no bird nests, etc. 6. swapped the coaxs with the D3W above it and went down and checked again and is working fine, but so is the D3W. 6. Both antennas are working.

The only thing I can see is that the drain holes in the traps aren't perfectly in the 'down' position, but more like 160 deg if 180 is perfectly down-this happened when I assembled the beam originally up there and didn't have a good reference to what exactly is down working on the slant of the roof. The solution for this will to be to take a step ladder up there and with the antenna pointed due west or east, will be able to reach the traps on the driven element and be able to take them off to see if insects have used them their nesting areas and to turn them so the drip holes are perfectly 180. Perhaps rain water got in the traps and were shorting them?
I'm also thinking it isn't the antenna having a problem at all but something with my rig (TS570) and it was infected with some gremlin or just wanted to take some time off. The rain seeping into the traps is still a thought and just my being up there and time and movement allowed it to drain out. But Saturday afternoon, we had a nice heavy all day shower which put 0.9 inches in my rain gauge and it still worked fine. (Sorry drought stricken W6's)
So for now, will leave it alone, but will leave the ladder in place in case the problems shows again and then look at taking a step ladder up there, but that doesn't appeal to me as to get to the trap, means the ladder would be on the steep sections of roof out at the end and I'm getting old and not quite so foolish as in younger days...
73,
Kathy w2nk

33290. RE: [ham-antennas] Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 16:19:46 UTC
From: jerrybosak@...
Topic: 33110 Message: 33290

Think of your mast pole as being a simple lever.
The longer you make the lever, the more leverage you will have.
Having 40' of pole, or even 20' - a simple bucket of cement could never hold it in a storm, very bad idea.
At the very least, you need to dig a hole 4' deep, cement a larger tube in the cement. Slip the mast pole into the tube in the cement.
Fiberglass poles have no real strength, the only thing they are good for is a field days operation, where the antenna is only used a day or two a year.
Leaving it up all the time, the tube is going to deteriorate in time and fail.
You can buy Rohn push up masts economically, or you can use conduit - 1 1/4 semi rigid and guy wires.
Do not use rope - not a very smart idea - the rope will stretch when it gets wet and will sag.
For what you wish to do, you need to put up some tower.
Any other advice would be irresponsible.
Proper grounding of the pole is a must in Florida - lot's of lightning storms, and you need to use Polyphasers before the feed line comes into the house.
There is no cheap solution to your situation.

33291. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 16:27:39 UTC
From: jerrybosak@...
Topic: 33069 Message: 33291

What does this have to do with a Rest Home that does not allow antenna's?
If the owner of the Rest Home says no! Then the answer is NO!
A retired / disabled person is a Guest / Resident of the home.
You have no right to demand special accommodations for your hobbies.
There is no way for sure that anyone on this forum could guarantee without a doubt that using radio equipment to transmit in a close proximity to other old people with Pacemakers and other life sustaining equipment, would not be harmed by the RF emitted from the antenna.
There is a point in time when everyone has to give in to the fact that when you are placed in a rest home you no longer are in control of your situation and for some people, their ham radio career is over.
Buy the guy a handheld radio and let him play CB with his local ham radio buddies.
Or, if he belongs to a club, have the club members pick him up, haul him to the club shack, and let him operate occasionally, when it is convenient, and then take him home.

33292. Re: Tuning a coax J-Pole

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 16:35:07 UTC
From: gtbecker@...
Topic: 33259 Message: 33292

> ... coax j pole can have a loss of 10 db or more when using coax as the quarterwave...

Why is that? A severe mismatch at the high-impedance end? Is this same loss present in receive?

Tom

33293. Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 16:41:12 UTC
From: steve.lenaghan@...
Topic: 33293 Message: 33293

I built a dual band J-pole out of some scrap twin lead and it doesn't work worth ... I have a Sinclair 222 http://www.sinclairtechnologies.com/catalog/product.aspx?id=332 left over from commercial days and hooked it up to my station to see if I could hear the local repeaters any better. Leaning on my garden shed, I get better signal and the expected SWR (3:1).

Just for the heck of it I tried on UHF and I have no reflected power at all. I'm using a Bird 43 and the appropriate slugs. I don't have modeling software but I expect the pattern is 'interesting'

These things are tough as nails, we dropped one 80', straightened the elements, put it up and it ran the life of the project, 20 years at an Sub-Arctic mine.

73 Steve VE5SR

33294. RE: [ham-antennas] Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 17:14:28 UTC
From: KB3YRC
Topic: 33293 Message: 33294

I have built many J-Poles using 300 ohm TV lead in and ½ copper tubing. I put a cap on the small J and solder a bolt & nut on it for tuning.

The most troubles was the dual bender. I have an MFJ antenna analyzer to show me where to place the taps for 50 ohms and tune the tuning slug.

There are many types and patterns out there

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 21, 2014 12:41 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Strange behavour

I built a dual band J-pole out of some scrap twin lead and it doesn't work worth ... I have a Sinclair <http://www.sinclairtechnologies.com/catalog/product.aspx?id=332> 222 left over from commercial days and hooked it up to my station to see if I could hear the local repeaters any better. Leaning on my garden shed, I get better signal and the expected SWR (3:1).

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These things are tough as nails, we dropped one 80', straightened the elements, put it up and it ran the life of the project, 20 years at an Sub-Arctic mine.

73 Steve VE5SR

33295. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 17:26:05 UTC
From: David V Colton
Topic: 33069 Message: 33295

Mr. Bosak:
What a pompous asshole YOU are! (And by reading your post, your likely not even a ham!)
The CB comment gives you away.
1st...you are not a GUEST at the "rest home." You (or your loved one's,) are paying a pretty high monthly fee for the marginal care you are receiving.
2nd..ALL rest homes have a government mandated resident right's declaration POSTED at their location. I suggest you read them.
3rd..I sincerely HOPE you do not work, operate, or own a rest home. Certain people should not do or be associated with certain places in their lives. *See YOUR comment's on "control of your own situation" & "ham radio career over"*
Last...most microwave oven's in use & cell phones in close proximity to said person with a pacemaker produce much stronger RF fields than a "standard" ham radio with an outside antenna. (I.E. 100 watt output or less.) Also, today's newer pacemaker's (less than 10 years old,) are almost immune (shielded) from local RF energy.
The name of the group is "HAM-antennas." I wonder HOW the moderator's allow someone who isn't even a ham to make such disparaging remarks about someone of the "brotherhood?"
I feel you have the "right" to read what we post, but as a "guest" should NOT be allowed to make such powerful comment's about a subject that...at least on this forum, I feel you have no RIGHT to make or comment on.
My 25 cent's worth.
FYI-YOU really hit a raw nerve. My father was treated just as you describe in a rest home, by people just like you describe your self. (He was NOT a ham...and I lost him June 20th..on HIS 96th birthday.)
DV Colton (KJ4PF)-Pinellas Co. Deputy Sheriff-Retired, Licensed ham over 37 years & a Old EXTRA class (Code ham).

E-Mail: DVC3565@...m

Feel free to E-mail to discuss further, or clarify on any misconceptions I made have gathered from your post.

-----Original Message-----
From: jerrybosak@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Jul 21, 2014 12:27 pm
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

What does this have to do with a Rest Home that does not allow antenna's?
If the owner of the Rest Home says no! Then the answer is NO!
A retired / disabled person is a Guest / Resident of the home.
You have no right to demand special accommodations for your hobbies.
There is no way for sure that anyone on this forum could guarantee without a doubt that using radio equipment to transmit in a close proximity to other old people with Pacemakers and other life sustaining equipment, would not be harmed by the RF emitted from the antenna.

There is a point in time when everyone has to give in to the fact that when you are placed in a rest home you no longer are in control of your situation and for some people, their ham radio career is over.
Buy the guy a handheld radio and let him play CB with his local ham radio buddies.
Or, if he belongs to a club, have the club members pick him up, haul him to the club shack, and let him operate occasion ally, when it is convenient, and then take him home.

33296. Re: [ham-antennas] Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 17:52:10 UTC
From: Andy
Topic: 33293 Message: 33296

I'm having trouble understanding what is the "strange behavior" you speak of.

Is it that the J-pole you built didn't work? Is it that the commercial 2-element antenna with gain, outperforms a 1-element antenna without gain? (A J-pole is essentially an end-fed half-wave, fed with a quarter-wave matching stub, so one would expect approximately 0 dBd gain because it is the same as a half-wave dipole). Is it the fact that the Sinclair works out-of-band? Or that it loaded up fine on the 3rd harmonic too?

Did you tune the J-pole, or find the optimum attachment points? Did you use a balun? Or try reversing the leads? What was the J-pole's SWR?

How was the J-pole made "dual band"? Is there a trap or phasing stub for the higher band?

Regards,
Andy

33297. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 18:03:18 UTC
From: Mike
Topic: 33069 Message: 33297

I guess that ill add to this ....

Iv never worked in a rest home ...
But i have repaired a many electronic and semi-electronic organs is rest homes ... meaning that their are hobby's that elderly bring with them ...

I would think that any hobby that keeps a elderly person mentally active and maybe even physically active would be a benefit ....

Now that the subject is more in my eyes ... I know personally a retirement home head manager (20+ years in the same building) ... by blood relation and im sure that she would give me all the fact full reasones for why/why-not.

Mike KC7NOA

On 07/21/2014 10:26 AM, David V Colton DVC3565@... [ham-antennas] wrote:
>
> *Mr. Bosak:*
> *What a pompous asshole YOU are! (And by reading your post, your
> likely not even a ham!) *The CB comment gives you away.**
> *1st...you are not a GUEST at the "rest home." You (or your loved
> one's,) are paying a pretty high monthly fee for the marginal care you
> are receiving. *
> *2nd..ALL rest homes have a government mandated resident right's
> declaration POSTED at their location. I suggest you read them.*
> *3rd..I sincerely HOPE you do not work, operate, or own a rest home.
> Certain people should not do or be associated with certain places in
> their lives. *See YOUR comment's on "control of your own situation" &
> "ham radio career over"**
> *Last...most microwave oven's in use & cell phones in close proximity
> to said person with a pacemaker produce much stronger RF fields than a
> "standard" ham radio with an outside antenna. (I.E. 100 watt output or
> less.) Also, today's newer pacemaker's (less than 10 years old,) are
> almost immune (shielded) from local RF energy.*
> *The name of the group is "HAM-antennas." I wonder HOW the moderator's
> allow someone who isn't even a ham to make such disparaging remarks
> about someone of the "brotherhood?"*
> *I feel you have the "right" to read what we post, but as a "guest"
> should NOT be allowed to make such powerful comment's about a subject
> that...at least on this forum, I feel you have no RIGHT to make or
> comment on.*
> *My 25 cent's worth.*
> *FYI-YOU really hit a raw nerve. My father was treated just as you
> describe in a rest home, by people just like you describe your self.

> (He was NOT a ham...and I lost him June 20th..on HIS 96th birthday.)*
> *DV Colton (KJ4PF)-Pinellas Co. Deputy Sheriff-Retired, Licensed ham
> over 37 years & a Old EXTRA class (Code ham). *
> *
> *
> *E-Mail: DVC3565@...*
> *
> *
> *Feel free to E-mail to discuss further, or clarify on any
> misconceptions I made have gathered from your post. *
> *
> *
>
> -----Original Message-----
> From: jerrybosak@... [ham-antennas] <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Jul 21, 2014 12:27 pm
> Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use
> HF antenna
>
> What does this have to do with a Rest Home that does not allow antenna's?
> If the owner of the Rest Home says no! Then the answer is NO!
> A retired / disabled person is a Guest / Resident of the home.
> You have no right to demand special accommodations for your hobbies.
> There is no way for sure that anyone on this forum could guarantee
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> proximity to other old people with Pacemakers and other life
> sustaining equipment, would not be harmed by the RF emitted from the
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> There is a point in time when everyone has to give in to the fact that
> when you are placed in a rest home you no longer are in control of
> your situation and for some people, their ham radio career is over.
> Buy the guy a handheld radio and let him play CB with his local ham
> radio buddies.
> Or, if he belongs to a club, have the club members pick him up, haul
> him to the club shack, and let him operate occasion ally, when it is
> convenient, and then take him home.
>

--
Mike KC7NOA

33298. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 18:11:14 UTC
From: Dave
Topic: 33069 Message: 33298

Bravo, David. I totally agree with you regarding Mr. Bosak. I moved my parents into a assisted living complex a number of years ago to be nearer us and yet still provide them some independence. This is a very traumatic experience for senior citizens. This complex was very progressive in its' views towards seniors. They polled the residents to see if there was interest in forming a ham club at the complex and, if not, were amenable to allowing the hams there to operate their rigs, if they ran 100 watts or less and had antennas that were of the mobile whip variety, or inconspicuous thin wire. Granted, they did not allow beams. LOL. I have been a landlord for many years, and generally a happy tenant is a good tenant. People like Mr. Bosak just foster animosity between senior citizens and the facilities developed especially for them to make their remaining years as enjoyable as possible. Many of these individuals are home bound and need social interaction with the outside world. Dave, WA6TXU.

> On Jul 21, 2014, at 1:26 PM, "David V Colton DVC3565@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Mr. Bosak:
> What a pompous asshole YOU are! (And by reading your post, your likely not even a ham!) *The CB comment gives you away.*
> 1st...you are not a GUEST at the "rest home." You (or your loved one's,) are paying a pretty high monthly fee for the marginal care you are receiving.
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> 3rd..I sincerely HOPE you do not work, operate, or own a rest home. Certain people should not do or be associated with certain places in their lives. *See YOUR comment's on "control of your own situation" & "ham radio career over"*
> Last...most microwave oven's in use & cell phones in close proximity to said person with a pacemaker produce much stronger RF fields than a "standard" ham radio with an outside antenna. (I.E. 100 watt output or less.) Also, today's newer pacemaker's (less than 10 years old,) are almost immune (shielded) from local RF energy.
> The name of the group is "HAM-antennas." I wonder HOW the moderator's allow someone who isn't even a ham to make such disparaging remarks about someone of the "brotherhood?"
> I feel you have the "right" to read what we post, but as a "guest" should NOT be allowed to make such powerful comment's about a subject that...at least on this forum, I feel you have no RIGHT to make or comment on.
> My 25 cent's worth.
> FYI-YOU really hit a raw nerve. My father was treated just as you describe in a rest home, by people just like you describe your self. (He was NOT a ham...and I lost him June 20th..on HIS 96th birthday.)
> DV Colton (KJ4PF)-Pinellas Co. Deputy Sheriff-Retired, Licensed ham over 37 years & a Old EXTRA class (Code ham).
>

> E-Mail: DVC3565@...
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> Feel free to E-mail to discuss further, or clarify on any misconceptions I made have gathered from your post.
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> -----Original Message-----
> From: jerrybosak@... [ham-antennas] <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Jul 21, 2014 12:27 pm
> Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna
>
> What does this have to do with a Rest Home that does not allow antenna's?
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> Buy the guy a handheld radio and let him play CB with his local ham radio buddies.
> Or, if he belongs to a club, have the club members pick him up, haul him to the club shack, and let him operate occasion ally, when it is convenient, and then take him home.
>
>
>

33299. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 19:15:36 UTC
From: Tom
Topic: 33069 Message: 33299

I agree with the pomposity of the original response, but whatever..

I did want to dispel a common misconception about pacemakers and other implantable medical devices. Just being in close proximity to most electromagnetic fields will not adversely affect implanted medical devices in any way. Implantable pacemakers and defibrillators CAN be affected by strong magnetic fields because most are built with a magnetic switch to shut off defibrillation therapy or modify pacing therapy in the presence of a strong magnet placed very close (<6 inches) to the implant site. Extremely strong electrical fields or strong rapidly changing fields can induce currents in pacing leads that can lead to localized heating of tissue at the lead tips, which can adversely affect performance.

With that being said, working with HAM HT units is generally safe if the antenna is kept beyond 6" from the device for low-wattage (~5W) outputs. Increased distance is recommended as output wattage increases for HTs and base installations. In no instance can the implanted device be reprogrammed just by RF. There are detailed handshaking protocols that have to be completed before a device allows reprogramming of internal parameters. The rare reprogramming of an implanted device usually happens when the patient is exposed to fields seen in MRI machines and the device resets, although the newest devices are being shielded against even those extreme fields.

As long as you're not standing right next to a high-output antenna, there wouldn't be any issues. For more information, check out the Electromagnetic Compatibility Guide found at http://www.medtronic.com/patients/bradycardia/living-with/questions-answers/index.htm. Other manufacturers have similar guides.

-Tom, KK4VWX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 21, 2014 1:26 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Mr. Bosak:

What a pompous asshole YOU are! (And by reading your post, your likely not even a ham!) *The CB comment gives you away.*

[snip]

Last...most microwave oven's in use & cell phones in close proximity to said person with a pacemaker produce much stronger RF fields than a "standard"

ham radio with an outside antenna. (I.E. 100 watt output or less.) Also, today's newer pacemaker's (less than 10 years old,) are almost immune (shielded) from local RF energy.

[snip]

33300. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 20:32:12 UTC
From: Geoff NW7GM
Topic: 33069 Message: 33300

Being a medical equipment repair technician I have to agree fully with this reply.

On Monday, July 21, 2014, 'Tom' cruffler@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I agree with the pomposity of the original response, but whatever….
>
>
>
> I did want to dispel a common misconception about pacemakers and other
> implantable medical devices. Just being in close proximity to most
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> strong magnetic fields because most are built with a magnetic switch to
> shut off defibrillation therapy or modify pacing therapy in the presence of
> a strong magnet placed very close (<6 inches) to the implant site.
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> As long as you’re not standing right next to a high-output antenna, there
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> Other manufacturers have similar guides.
>

>
>
> -Tom, KK4VWX
>
>
>
>
>
> *From:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>]
> *Sent:* Monday, July 21, 2014 1:26 PM
> *To:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Subject:* Re: [ham-antennas] Re: NEW Challenge Rest home restricted use
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> *Mr. Bosak:*
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> *What a pompous asshole YOU are! (And by reading your post, your likely
> not even a ham!) *The CB comment gives you away.**
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> *[snip]*
>
> *Last...most microwave oven's in use & cell phones in close proximity to
> said person with a pacemaker produce much stronger RF fields than a
> "standard" ham radio with an outside antenna. (I.E. 100 watt output or
> less.) Also, today's newer pacemaker's (less than 10 years old,) are almost
> immune (shielded) from local RF energy.*
>
> *[snip]*
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33301. Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 20:45:38 UTC
From: sawman02@...
Topic: 33069 Message: 33301

Hello to All,

Has anybody have experience with setting up a HF antenna on. 3ft X 5ft X 8ft tall balcony.

Thanks

33302. RE: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 21:06:42 UTC
From: Joe Wolfe
Topic: 33069 Message: 33302

Quite a discussion on exactly this HF antenna setup over on the Buddipole group. Buddipole folk have been doing this for some time!

Joe – W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: Re: [ham-antennas] NEW Challenge Rest home restricted use HF antenna

Hello to All,

Has anybody have experience with setting up a HF antenna on. 3ft X 5ft X 8ft tall balcony.

Thanks

33303. Re: [ham-antennas] Re: Tuning a coax J-Pole

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 21:29:10 UTC
From: Andy
Topic: 33259 Message: 33303

Tom asked:

"Is this same loss present in receive?"

Any loss in transmit is always present in receive too.

Some loss in receive might not matter at HF, but it does matter for VHF.

Andy

33304. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 21:33:16 UTC
From: K7Max
Topic: 33069 Message: 33304

I'll add my 2 cents:

I am 75, not the best of health and I have visited several Senior Assisted Living Centers and they do not allow antennas on their facilities. For that reason I will not move into one unless I require assistance in surviving. If I am that bad off I can't operate my rig anyway.

I have instructed my family that when I can no longer operate my ham rig (CW only op) you can put me in a "rest" home and my complete station will be donated to the Arizona Science Center's amateur radio station K7ASC for their use (http://www.qrz.com/db/W7ASC).

de Max
K7max

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, July 21, 2014 11:03 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

I guess that ill add to this ....

Iv never worked in a rest home ...
But i have repaired a many electronic and semi-electronic organs is rest homes ... meaning that their are hobby's that elderly bring with them ...

I would think that any hobby that keeps a elderly person mentally active and maybe even physically active would be a benefit ....

Now that the subject is more in my eyes ... I know personally a retirement home head manager (20+ years in the same building) ... by blood relation and im sure that she would give me all the fact full reasones for why/why-not.

Mike KC7NOA

On 07/21/2014 10:26 AM, David V Colton DVC3565@... [ham-antennas] wrote:

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2nd..ALL rest homes have a government mandated resident right's declaration POSTED at their location. I suggest you read them.
3rd..I sincerely HOPE you do not work, operate, or own a rest home. Certain people should not do or be associated with certain places in their lives. *See YOUR comment's on "control of your own situation" & "ham radio career over"*

Last...most microwave oven's in use & cell phones in close proximity to said person with a pacemaker produce much stronger RF fields than a "standard" ham radio with an outside antenna. (I.E. 100 watt output or less.) Also, today's newer pacemaker's (less than 10 years old,) are almost immune (shielded) from local RF energy.
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I feel you have the "right" to read what we post, but as a "guest" should NOT be allowed to make such powerful comment's about a subject that...at least on this forum, I feel you have no RIGHT to make or comment on.
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DV Colton (KJ4PF)-Pinellas Co. Deputy Sheriff-Retired, Licensed ham over 37 years & a Old EXTRA class (Code ham).

E-Mail: DVC3565@...

Feel free to E-mail to discuss further, or clarify on any misconceptions I made have gathered from your post.

-----Original Message-----
From: jerrybosak@... [ham-antennas] mailto:ham-antennas@yahoogroups.com
To: ham-antennas mailto:ham-antennas@yahoogroups.com
Sent: Mon, Jul 21, 2014 12:27 pm
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--
Mike KC7NOA

33305. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 23:01:44 UTC
From: jc_2aussie
Topic: 33069 Message: 33305

Hamradio is NOT an occuption that stops on retirement, HAM RADIO is a HOBBY, and has little or nothing to do with CB radio, which was actually an off shoot of ham radio about 30+ years ago.
To deprive a person of a legitimate hobby for very little cause is herendious, and you sir are ignorant, .
You also have no knowledge of the hobby, before you make comments do your self a favour , research what you are commenting on.
Down here we call it "foot in mouth disease", you sir have managed not 1 but both feet in yours.
Jeff
Vk4fnrs
Australia
I am also amazed the moderator allowed your comments.

Sent from Samsung tablet

33306. Re: [ham-antennas] Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-21 23:30:37 UTC
From: steve.lenaghan@...
Topic: 33293 Message: 33306

I was referring to the Sinclair antenna, I was just venting about the J-Pole

Steve

33307. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 01:50:28 UTC
From: Van Lincoln
Topic: 33069 Message: 33307

I am the Moderator, 1 of 2
I am the Owner of this List, also 1 of 2

This is NOT political
This is NOT religious
This is Life in the U.S.A. I did not see anything that was not
basicly true. I did see a LOT of opinions.

The man or corporation that owns a facility generally makes the
rules, which cannot be unlawful,
but can be controversial.

These posts have been a classic example of (a little raw) of
understandings, misunderstandings.
and feelings on both sides. I spent 42 years in government, owned
rental property,
spent military time, etc. I have come under folks laws and rules
every day of those 42 years.

So, the postings have been a little rough, but folks, you may not
like what you're hearing
or the way it was written, but my only complaint is the word
"a..h...", and the concepts of control
by an owner, state, local or federal entity (meaning the laws or
owners rights) was what was discussed.

However, bad language or offensive words, subjects mentioned on the
rules that are posted once a month,
are my major concern. More of that will result in removal/moderation
at the least.

So I would watch the language, or sanctions will be applied.

Van Lincoln WD8AAM

>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 3336 members (as of 02/16/13). and attachments
>are NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY
>be cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com

33308. Re: Putting up mast/pole. Need some suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 05:01:35 UTC
From: Dave Hartman
Topic: 33110 Message: 33308

Try these guys...

http://mortenson.wistia.com/medias/tejnwpitig

--
73 Dave - AC2GL

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33309. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 05:13:17 UTC
From: n7mog
Topic: 33069 Message: 33309

Obviously you (jerrybosak@...) don't know anything about rest homes. The residents are in THEIR home and the staff sees to their needs. Think of it as a restricted access of your apartment by those that can take care of the needs you cannot. The price paid for residency is not cheap, for the costs are very high. Some facilities make special attempts to meet residents' needs, but some seem to ONLY be there for profits. Properly worded requests to caring staff will be seen to within allowable restrictions, exceptions do get made at times. I do hope that this ham can get his RF fix and continue in some way or another! Maybe there needs to be a retirement community, like some military service communities, where like minded people (and they can be of any age) can use a cooperative station(s). Any philanthropists out there want to build a community around ham antennas?

Bill
N7MOG

On 7/21/2014 10:27 AM, jerrybosak@... [ham-antennas] wrote:
>
> What does this have to do with a Rest Home that does not allow antenna's?
> If the owner of the Rest Home says no! Then the answer is NO!
> A retired / disabled person is a Guest / Resident of the home.
> You have no right to demand special accommodations for your hobbies.
> There is no way for sure that anyone on this forum could guarantee
> without a doubt that using radio equipment to transmit in a close
> proximity to other old people with Pacemakers and other life
> sustaining equipment, would not be harmed by the RF emitted from the
> antenna.
> There is a point in time when everyone has to give in to the fact that
> when you are placed in a rest home you no longer are in control of
> your situation and for some people, their ham radio career is over.
> Buy the guy a handheld radio and let him play CB with his local ham
> radio buddies.
> Or, if he belongs to a club, have the club members pick him up, haul
> him to the club shack, and let him operate occasionally, when it is
> convenient, and then take him home.
>
>

33310. Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 10:09:51 UTC
From: kb3svj@...
Topic: 33310 Message: 33310

Hi ALL:
If this subject was covered in the past please give me direction to same regarding building a wooden tower to mount antennas by this group.

I am looking to build a wooden tower upon which to mount some antenna's. I would say the that it would be on the order of what you see in those old western flicks, of the little windmill H2O pump tower.

I am thinking a 40' structure would be acceptable or even 60' may be better.

Thank you!

John KB3SVJ

33311. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 10:35:05 UTC
From: KB3YRC
Topic: 33310 Message: 33311

OK I like the 40 Ft Mine is a 33 Ft Crank up and easy to work on. How do you plan to mount antennas and work on it ?

You’re going to climb it? What are you going to do in 10 years paint it, it may have dry rot?

It may be unsafe in 10 years?

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 6:10 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Wooden antenna tower plans

Hi ALL:
If this subject was covered in the past please give me direction to same regarding building a wooden tower to mount antennas by this group.

I am looking to build a wooden tower upon which to mount some antenna's. I would say the that it would be on the order of what you see in those old western flicks, of the little windmill H2O pump tower.

I am thinking a 40' structure would be acceptable or even 60' may be better.

Thank you!

John KB3SVJ

33312. AW: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 11:25:53 UTC
From: siegfried jackstien
Topic: 33310 Message: 33312

If you can get cheap in a usable height ... then rebuild it in 10 years and put the old one in your fire place :-)

Hmmm with the right wood used ... it would sure hold longer then 10 years

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 22. Juli 2014 10:35
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Wooden antenna tower plans
>
>
>
> OK I like the 40 Ft Mine is a 33 Ft Crank up and easy to work on. How do
> you plan to mount antennas and work on it ?
>
> You□re going to climb it? What are you going to do in 10 years paint it,
> it may have dry rot?
>
> It may be unsafe in 10 years?
>
>
>
> Richard
>
>
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, July 22, 2014 6:10 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Wooden antenna tower plans
>
>
>
>
>
> Hi ALL:

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> you see in those old western flicks, of the little windmill H2O
> pump tower.
>
> I am thinking a 40' structure would be acceptable or even 60' may
> be better.
>
> Thank you!
>
> John KB3SVJ
>
>
>
>

33313. Re: AW: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 12:48:38 UTC
From: Joe
Topic: 33310 Message: 33313
Attachments: 3 described; binary payloads are missing from this source WARC

They around here have been using a LOT of laminated (Glued) wood power poles. A quick Google search shows one company with ones that go as high as 165 feet! and 165 feet dead end UNGUYED!!! where it has to hold back thousands of pounds of the wire tension!! WOW!!!

http://methowvalleynews.com/wp-content/uploads/2013/10/PUD-PowerPole.jpg
http://methowvalleynews.com/wp-content/uploads/2013/10/PUD-PowerPole.jpg
http://appasuppliersguide.org/logos/462599_PROD_Laminate.jpg
http://appasuppliersguide.org/logos/462599_PROD_Laminate.jpg
http://www.blpole.com/products/7

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/22/2014 6:25 AM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
> If you can get cheap in a usable height ... then rebuild it in 10 years and
> put the old one in your fire place :-)
>
> Hmmm with the right wood used ... it would sure hold longer then 10 years
>
> Dg9bfc
>
> Sigi
>
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Dienstag, 22. Juli 2014 10:35
>> An: ham-antennas@yahoogroups.com
>> Betreff: RE: [ham-antennas] Wooden antenna tower plans
>>
>>
>>
>> OK I like the 40 Ft Mine is a 33 Ft Crank up and easy to work on. How do
>> you plan to mount antennas and work on it ?
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>> You're going to climb it? What are you going to do in 10 years paint it,
>> it may have dry rot?
>>

>> It may be unsafe in 10 years?
>>
>>
>>
>> Richard
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>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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>> Subject: [ham-antennas] Wooden antenna tower plans
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>> pump tower.
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>> I am thinking a 40' structure would be acceptable or even 60' may
>> be better.
>>
>> Thank you!
>>
>> John KB3SVJ
>>
>>
>>
>>
>
>
> ---
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
>
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> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
>
> ---
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> Yahoo Groups Links
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33314. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 13:27:23 UTC
From: Timothy-Allen Albertson
Topic: 33069 Message: 33314

To deprive any person of something because of a disability or health issue
is wrong
unless it is absolutely necessary and only to the extent that such
restriction is the
the most narrow one most necessary.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Mon, Jul 21, 2014 at 6:01 PM, jc_2aussie jc_2aussie@...
[ham-antennas] <ham-antennas@...m> wrote:

>
>
> Hamradio is NOT an occuption that stops on retirement, HAM RADIO is a
> HOBBY, and has little or nothing to do with CB radio, which was actually an
> off shoot of ham radio about 30+ years ago.
> To deprive a person of a legitimate hobby for very little cause is
> herendious, and you sir are ignorant, .
> You also have no knowledge of the hobby, before you make comments do your
> self a favour , research what you are commenting on.
> Down here we call it "foot in mouth disease", you sir have managed not 1
> but both feet in yours.
> Jeff
> Vk4fnrs
> Australia
> I am also amazed the moderator allowed your comments.
>
>
>
>
> Sent from Samsung tablet
>
>
>

33315. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 13:32:49 UTC
From: farrerfolks@...
Topic: 33310 Message: 33315

John,

I have seen and used a small diameter telephone 30-40 foot pole mounted on the side of a 10 foot one. The 10 foot one was planted firmly in the ground and the top of the 10 foot had a pulley to the to the taller one. The taller one had it's base bolted to a base pivot point of the 10 foot. Easy to tilt up and lower with care. With the treated poles, life is >20 years. The taller one sometimes had the foot pegs.

Mel, K6KBE

33316. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 13:33:47 UTC
From: Joe
Topic: 33069 Message: 33316

```
tell that to any healthy ham that lives in a CCR location,,
Joe WB9SBD
```

On 7/22/2014 8:27 AM, Timothy-Allen Albertson kd0oia@...
[ham-antennas] wrote:
>
>
> To deprive any person of something because of a disability or health
> issue is wrong
> unless it is absolutely necessary and only to the extent that such
> restriction is the
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>
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> KD∅OIA/(ex KG6IRH)
>
>
>
> On Mon, Jul 21, 2014 at 6:01 PM, jc_2aussie jc_2aussie@...
> <mailto:jc_2aussie@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
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>
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>
> Sent from Samsung tablet
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>

33317. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 14:27:19 UTC
From: Timothy-Allen Albertson
Topic: 33069 Message: 33317

i certainly did not mean to imply that these folks are any less deserving--
indeed, I wrote my Congress critter to encourage him to co-sponsor to
extend PRB-1 to CCRs and private restrictions--
http://www.arrl.org/news/house-bill-would-require-fcc-to-extend-prb-1-coverage-to-restrictive-covenants

any ham who has not done so, should write his or her congress critter
urging them to co-sponsor this bill--and most congress critters take
electronic submissions--

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jul 22, 2014 at 8:33 AM, Joe nss@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> tell that to any healthy ham that lives in a CCR location,,
> Joe WB9SBD
>
>
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> On 7/22/2014 8:27 AM, Timothy-Allen Albertson kd0oia@...
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33318. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 14:28:32 UTC
From: David V Colton
Topic: 33069 Message: 33318

Thank You Van!
All duly noted. I WILL watch what I "say" in print in the future. The FCC does not find the word I chose to describe said person as offensive...but YOU are the Moderator/Owner and what you say-go's. I was VERY incensed by the comment's, and with the recent loss of my father in a $5,200 a month facility that barely met his basic needs, coupled with this guy standing up for how we let rest homes treat our elderly...kind of drove me "crazy" to say the least.
Sadly, it's a fate we all will face someday. I spent my whole life taking care of people, in more ways than one. And now as my time approaches, the younger ones want to put us to the curb as garbage. Very Ironic.
Anyways, I will watch what I say, and HOW I say it in future post's.
73,
Dave-KJ4PF

-----Original Message-----
From: Van Lincoln vlincoln@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Jul 21, 2014 9:50 pm
Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

I am the Moderator, 1 of 2
I am the Owner of this List, also 1 of 2

This is NOT political
This is NOT religious
This is Life in the U.S.A. I did not see anything that was not basiclytrue. I did see a LOT of opinions.

The man or corporation that owns a facility generally makes the rules,which cannot be unlawful,
but can be controversial.

These posts have been a classic example of (a little raw) ofunderstandings, misunderstandings.
and feelings on both sides. I spent 42 years in government, ownedrental property, spent military time, etc. I have come under folks laws and rulesevery day of those 42 years.

So, the postings have been a little rough, but folks, you may not likewhat you're hearing or the way it was written, but my only complaint is the word"a..h...", and the concepts of control
by an owner, state, local or federal entity (meaning the laws or ownersrights) was what was discussed.

However, bad language or offensive words, subjects mentioned on the rulesthat are posted once a month,
are my major concern. More of that will result inremoval/moderation at the least.

So I would watch the language, or sanctions will be applied.

Van Lincoln WD8AAM

33319. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 14:34:40 UTC
From: Timothy-Allen Albertson
Topic: 33069 Message: 33319

Sorry about your dad. That makes it personal and a little hard to be cool.
And nothing else reminds one of the issues of advancing age than that of
of same sex parent. Especially, if they were, as my dad, is a young father.
He was 19 when I was born. Which makes me have different perspective
re him than he does with my siblings, who are 40 to 44, and my 24 y/o son
who was born when i was 34 re me.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jul 22, 2014 at 9:28 AM, David V Colton DVC3565@aol.com
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> *Thank You Van! *
> *All duly noted. I WILL watch what I "say" in print in the future. The FCC
> does not find the word I chose to describe **said person as
> offensive...but YOU are the Moderator/Owner and what you say-go's. I was
> VERY incensed by the comment's, **and with the recent loss of my father
> in a $5,200 a month facility that barely met his basic needs, coupled with
> this guy standing up for how we let rest homes treat our elderly...kind of
> drove me "crazy" to say the least.*
> *Sadly, it's a fate we all will face someday. I spent my whole life taking
> care of people, in more ways than one. And now as my time approaches, the
> younger ones want to put us to the curb as garbage. Very Ironic.*
> *Anyways, I will watch what I say, and HOW I say it in future post's.*
> *73,*
>
> *Dave-KJ4PF *
>
>
> -----Original Message-----
> From: Van Lincoln vlincoln@... [ham-antennas] <
> ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Mon, Jul 21, 2014 9:50 pm
> Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]
>
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> that are posted once a month,
> are my major concern. More of that will result in removal/moderation at
> the least.
>
> So I would watch the language, or sanctions will be applied.
>
> Van Lincoln WD8AAM
>
>
>

33320. Re: Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 14:56:56 UTC
From: k9jfk@...
Topic: 33310 Message: 33320

Hi John,

Building a tower out of wood was more common in the past. If you are a subscriber to QST, do a search on for wooden antenna towers. Also, CQ magazine has been around a long time and access to the archives can be purchased. Again, do a search for wooden antenna towers.

Did the seaches myself about 5 years ago, out of curiousity. Sorry, didn't keep any of the materials I found as there was nothing built. Do remember they went from about 20 ft to 100ft height. Remember, the higher a tower goes, the bigger footprint it will need because of the guy wires.

73, Jimmie, K9JFK

33321. RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:01:03 UTC
From: Joe Wolfe
Topic: 33069 Message: 33321

Did you say something offensive? <<GRIN>>

Anyone remember George Carlin's, "Seven words we will never hear on TV"? Heard 'em all now.The FCC has said any word used in a 'performance' is acceptable. Years ago..in the early 70's, I was an FM announcer on KGLR-FM in Reno, Nevada. Once, when my midnight shift started, I played the entire Broadway production of HAIR, un-censored...it was acceptable even back then.I also played music from GROOTNA (A blues/jazz/soul fusion group) as well as the original Jefferson Starship album, BLOWS AGAINST THE EMPIRE, as well as the now famous Pink Floyd hit song, MONEY. All of which were laced with 1 or more of the 7 words Carlin spoke of. Heh.One always had to be careful playing any live cut with Gracie Slick singing...Miss foul mouth on stage! LOL!

Joe - W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Thank You Van!

All duly noted. I WILL watch what I "say" in print in the future. The FCC does not find the word I chose to describe said person as offensive...but YOU are the Moderator/Owner and what you say-go's. I was VERY incensed by the comment's, and with the recent loss of my father in a $5,200 a month facility that barely met his basic needs, coupled with this guy standing up for how we let rest homes treat our elderly...kind of drove me "crazy" to say the least.

Sadly, it's a fate we all will face someday. I spent my whole life taking care of people, in more ways than one. And now as my time approaches, the younger ones want to put us to the curb as garbage. Very Ironic.

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73,

Dave-KJ4PF

33322. Re: [ham-antennas] Re: Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:03:41 UTC
From: Timothy-Allen Albertson
Topic: 33310 Message: 33322

I could see carefully designed and built wooden tower being such that it does not
offend the fashion police. Kind of like the OM who gets by with his antennas in
CCR restricted development because one supplies free WiFi to most of the development. If people like somehting they dont tend to bitch about it.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jul 22, 2014 at 9:56 AM, k9jfk@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi John,
>
> Building a tower out of wood was more common in the past. If you are a
> subscriber to QST, do a search on for wooden antenna towers. Also, CQ
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>
> Did the seaches myself about 5 years ago, out of curiousity. Sorry,
> didn't keep any of the materials I found as there was nothing built. Do
> remember they went from about 20 ft to 100ft height. Remember, the higher
> a tower goes, the bigger footprint it will need because of the guy wires.
>
> 73, Jimmie, K9JFK
>
>
>

33323. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:06:30 UTC
From: Timothy-Allen Albertson
Topic: 33069 Message: 33323

Unlike the political correctness police think and demand, there is not
right to not
e offended. If one cant stand the heat then, as HST said, get the hell out
of the
kitchen.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jul 22, 2014 at 10:01 AM, Joe Wolfe w7rkn.7@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Did you say something offensive? <<GRIN>>
>
>
>
> Anyone remember George Carlin's, "Seven words we will never hear on TV"?
> Heard 'em all now…The FCC has said any word used in a 'performance' is
> acceptable. Years ago..in the early 70's, I was an FM announcer on KGLR-FM
> in Reno, Nevada. Once, when my midnight shift started, I played the entire
> *Broadway* production of *HAIR*, un-censored…..it was acceptable even
> back then…I also played music from *GROOTNA* (A blues/jazz/soul fusion
> group) as well as the original *Jefferson Starship* album, *BLOWS AGAINST
> THE EMPIRE*, as well as the now famous *Pink Floyd* hit song, *MONEY*.
> All of which were laced with 1 or more of the 7 words Carlin spoke of.
> Heh…One always had to be careful playing any live cut with Gracie Slick
> singing…..Miss foul mouth on stage! LOL!
>
>
>
> Joe – W7RKN
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Subject:* Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]
>
>
>
>
>
> *Thank You Van! *
>

> *All duly noted. I WILL watch what I "say" in print in the future. The FCC
> does not find the word I chose to describe **said person as
> offensive...but YOU are the Moderator/Owner and what you say-go's. I was
> VERY incensed by the comment's, and with the recent loss of my father in a
> $5,200 a month facility that barely met his basic needs, coupled with this
> guy standing up for how we let rest homes treat our elderly...kind of drove
> me "crazy" to say the least.*
>
> *Sadly, it's a fate we all will face someday. I spent my whole life taking
> care of people, in more ways than one. And now as my time approaches, the
> younger ones want to put us to the curb as garbage. Very Ironic.*
>
> *Anyways, I will watch what I say, and HOW I say it in future post's.*
>
> *73,*
>
>
>
> *Dave-KJ4PF*
>
>
>

33324. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:08:53 UTC
From: Richard Schmuke
Topic: 33310 Message: 33324

Wood is nice but steel is easier to work with and does not have to be replaced in a few years. I have a wood tilt over for my full size 40M vertical with a raised feed point and a steel tilt over for my beam. Today it supports my hex beam and a 160M delta loop.
http://s1102.photobucket.com/user/KD0ZZ/media/DSC00266.jpg.html

A rough sketch of the steel,

http://s1102.photobucket.com/user/KD0ZZ/media/TiltOverB.jpg.html

The wooden tilt took more drilling and work than the steel.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg.html

The above it just my way of looking at it.

Rich, Kd0zz

33325. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:13:53 UTC
From: Timothy-Allen Albertson
Topic: 33069 Message: 33325

Seriously, one might find good information from Pat Tice, WA0TA at handiham,org

http://www.handiham.org/drupal2/contact#content

Ive got an email of wa0tda@... for Pat.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Tue, Jul 22, 2014 at 10:06 AM, Timothy-Allen Albertson <kd0oia@...> wrote:

> Unlike the political correctness police think and demand, there is not
> right to not
> e offended. If one cant stand the heat then, as HST said, get the hell
> out of the
> kitchen.
>
> 72/73 TIMOTHY-ALLEN ALBERTSON
> KD∅OIA/(ex KG6IRH)
>
>
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> On Tue, Jul 22, 2014 at 10:01 AM, Joe Wolfe w7rkn.7@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
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>> Did you say something offensive? <<GRIN>>
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>> Heard 'em all now…The FCC has said any word used in a 'performance' is
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>> AGAINST THE EMPIRE*, as well as the now famous *Pink Floyd* hit song,
>> *MONEY*. All of which were laced with 1 or more of the 7 words Carlin
>> spoke of. Heh…One always had to be careful playing any live cut with
>> Gracie Slick singing…..Miss foul mouth on stage! LOL!
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>>
>>
>> Joe – W7RKN
>>
>>
>>
>> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>
>> *Subject:* Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]
>>
>>
>>
>>
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>> *Thank You Van! *
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>> *All duly noted. I WILL watch what I "say" in print in the future. The
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>> guy standing up for how we let rest homes treat our elderly...kind of drove
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>> *Sadly, it's a fate we all will face someday. I spent my whole life
>> taking care of people, in more ways than one. And now as my time
>> approaches, the younger ones want to put us to the curb as garbage. Very
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>> *Anyways, I will watch what I say, and HOW I say it in future post's.*
>>
>> *73,*
>>
>>
>>
>> *Dave-KJ4PF *
>>
>>
>>
>
>

33326. Re: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:16:17 UTC
From: David V Colton
Topic: 33310 Message: 33326

Hey Rich!
I like your "on-site" OSHA inspector. Looks like a Tom....What's his name (and GS pay grade?)

73,
Dave-KJ4PF

-----Original Message-----
From: 'Richard Schmuke' rdj@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Tue, Jul 22, 2014 11:09 am
Subject: RE: [ham-antennas] Wooden antenna tower plans

Wood is nice but steel is easier to work with and does not have to be replaced in a few years. I have a wood tilt over for my full size 40M vertical with a raised feed point and a steel tilt over for my beam. Today it supports my hex beam and a 160M delta loop.
http://s1102.photobucket.com/user/KD0ZZ/media/DSC00266.jpg.html
A rough sketch of the steel,
http://s1102.photobucket.com/user/KD0ZZ/media/TiltOverB.jpg.html
The wooden tilt took more drilling and work than t he steel.
http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg.html

The above it just my way of looking at it.

Rich, Kd0zz

33327. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:32:53 UTC
From: Van Lincoln
Topic: 33069 Message: 33327

Hi Dave and THANK YOU for the note. I sincerely appreciate it!

I am 70, so I share and have a lot of feelings
for what you stated, as my time is coming.
I am looking forward (in some ways) to the
challenges of being old, but still involved with being
a 'HAM' and keeping my mind occupied while living
the rest of my life. One of my resources is
my ever-present computer. That alone can make my
final days interesting. One experience I had
was when I went to a FAA school in Oklahoma City
on the IBM 3083 mainframe system. I had to live there
for 6 months, and my only hands on learning came
during school hours. I did live in a short term lease
apartment, which didn't allow ham radio. This
gave me the chance to experiment. #1. my 2-meter HT gave me
access to the ham community, and short antenna
could be put into a drawer so the landlord couldn't find it.

#2. Next, HF (my FT-747GX 100watt) unit was a
little bigger problem. But I solved that also. I built a
15 meter dipole which I pinned to the wall at the
ceiling level. SWR was almost 1:1. Worked great. Then I
wanted 20 meter capability. I built two small
coils on a 5 inch pieces of 1" pvc, bought some hookup wire from
radio shack, hookup wire close wound on the pvc,
and alligator clipped them to the ends of the wall 15 meter
dipole. I had 1:1 SWR on 20, and worked all over
within about 500 mile radius with a very respectable signal.

My point is, I have no fear that I'll still be
playing ham radio in my old age, even in an assisted living
situation, but then again, a nursing home will be a different issue entirely.

So while I don't like to think about end of life
issues, I view my options with optimism. My parents are deceased,
and my in-laws also deceased. I am familiar with
stay at home, and dying in a home setting. Not pleasant,
but MUST be dealt with. I try to make the best of it.

Van Lincoln WD8AAM

p.s. and Dave, I do feel your pain.

==========
At 14:28 7/22/2014, you wrote:

>Thank You Van!
>All duly noted. I WILL watch what I "say" in
>print in the future. The FCC does not find the
>word I chose to describe said person as
>offensive...but YOU are the Moderator/Owner and
>what you say-go's. I was VERY incensed by the
>comment's, and with the recent loss of my father
>in a $5,200 a month facility that barely met his
>basic needs, coupled with this guy standing up
>for how we let rest homes treat our
>elderly...kind of drove me "crazy" to say the least.
>Sadly, it's a fate we all will face someday. I
>spent my whole life taking care of people, in
>more ways than one. And now as my time
>approaches, the younger ones want to put us to
>the curb as garbage. Very Ironic.
>Anyways, I will watch what I say, and HOW I say it in future post's.
>73,
>Dave-KJ4PF
>
>
>-----Original Message-----
>From: Van Lincoln vlincoln@...
>[ham-antennas] <ham-antennas@yahoogroups.com>
>To: ham-antennas <ham-antennas@yahoogroups.com>
>Sent: Mon, Jul 21, 2014 9:50 pm
>Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]
>
>
>I am the Moderator, 1 of 2
>I am the Owner of this List, also 1 of 2
>
>This is NOT political
>This is NOT religious
>This is Life in the U.S.A. I did not see
>anything that was not basicly true. I did see a LOT of opinions.
>
>The man or corporation that owns a facility
>generally makes the rules, which cannot be unlawful,
>but can be controversial.
>
>These posts have been a classic example of (a
>little raw) of understandings, misunderstandings.
>and feelings on both sides. I spent 42 years in
>government, owned rental property,
>spent military time, etc. I have come under
>folks laws and rules every day of those 42 years.
>
>So, the postings have been a little rough, but
>folks, you may not like what you're hearing

>or the way it was written, but my only complaint
>is the word "a..h...", and the concepts of control
>by an owner, state, local or federal entity
>(meaning the laws or owners rights) was what was discussed.
>
>However, bad language or offensive words,
>subjects mentioned on the rules that are posted once a month,
>are my major concern. More of that will result
>in removal/moderation at the least.
>
>So I would watch the language, or sanctions will be applied.
>
>Van Lincoln WD8AAM
>
>
>

33328. Re: Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 15:46:04 UTC
From: Ed Cartwright
Topic: 33310 Message: 33328

Hello John

Please see the VE1TG article from July 1968 73 magazine sent as an attachment direct to your personal email. Plan for more maintenance requirements than a metal tower.

72 Ed N6MMW

33329. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 16:33:30 UTC
From: Ron Youvan
Topic: 33069 Message: 33329

Van Lincoln WD8AAM vlincoln@... wrote:

/*snip*/
> #2. Next, HF (my FT-747GX 100watt) unit was a little bigger problem.
> But I solved that also. I built a
> 15 meter dipole which I pinned to the wall at the ceiling level. SWR was
> almost 1:1. Worked great. Then I
> wanted 20 meter capability. I built two small coils on a 5 inch pieces
> of 1" pvc, bought some hookup wire from
> radio shack, hookup wire close wound on the pvc, and alligator clipped
> them to the ends of the wall 15 meter
> dipole. I had 1:1 SWR on 20, and worked all over within about 500 mile
> radius with a very respectable signal.

> My point is, I have no fear that I'll still be playing ham radio in my
> old age, even in an assisted living
> situation, but then again, a nursing home will be a different issue
> entirely.

I tied to help an old (85) friend (Frank AA4UZ) in his assisted
living home (in his hometown) about 10 or 15 years ago. He sold his
personally (pride and joy) built HW-100 and bought an Icom IC-706, the
menu system got him lost every time and taping a 15 meter dipole up on
the wall resulted in setting off the fire alarm with every key down.
Running a coax out the window was my only suggestion.
I never heard how he made out with that, then he moved off.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33330. Re: Connecting wire to insulator at the end of dipole

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 16:52:38 UTC
From: nm9p@...
Topic: 32985 Message: 33330

For me, it depends upon 1) What power level I am running, 2) What kind of wire I am using (size, stranded/solid, insulated/uninsulated) and 3) how much weight I am supporting.

I do not recommend soldering the ends because it reduces flexibility and weakens the wire.

I have put up many, many wire antennas with insulated wire, most recently a 160 Meter Offset Fed Dipole with #14 THNN and I simply bend the wire back on itself for about 3-4 inches and tie a sheet bend or modified sheet bend with nylon or kevlar rope. The knot, when under tension, clamps the wire against itself and won't let it slip. I have had this type of connection last for years and years without problems. I have done this with bare stranded copperweld as well with modified fishing knots that reduce the risk of the bare wire cutting the rope.

However, I only run 100 watts at present. If I were running high power, I would use a good insulator and either use the twist method or cable clamps to hold the wire ends.

33331. Re: Carolina Windom configuration

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 17:07:12 UTC
From: nm9p@...
Topic: 32677 Message: 33331

My guess is that your overall performance will be better with most of the wire as high in the air as possible, even if you must give it a small bend. 45 degrees doesn't seem to be extreme. My own 160 Meter Offset Fed Dipole has the short leg straight and the long leg making TWO bends of about 80 and 45 degrees respectively into the shape of a C.

All antenna installations are compromises. But my general rule is that there is no substitute for altitude!

33332. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 17:09:20 UTC
From: farrerfolks@...
Topic: 33069 Message: 33332

First of all I want to thank all of those who gave constructive suggestions. While some were not possible due to circumstances beyond control, others were good. I would like to offer a comment on rest/nursing homes and the regulations imposed on them. In one small section of California law that reads:

Right to self-determination and communication with and access to persons and services inside and outside the facility

Note the lack of definition or limitation that clause allows. Sounds like a good place to start with the provider. Will let you all know.

Mel, K6KBE

33333. RE: [ham-antennas] Re: Carolina Windom configuration

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 17:20:52 UTC
From: Joe Wolfe
Topic: 32677 Message: 33333

My Windom’s short side is straight and the long side has 2. 90 degree bends. My height above ground is 12 foot on one side, 17 feet on the other. Generally speaking, if I hear it, I talk to it…no matter where they are….I have talked all over the world with my configuration, 6 through 160.

I am planning to raise the wire up another 10-12 feet…I use 2x2 redwood heartwood ‘poles’ as supports, every 10 feet, bolted to a good neighbor fence. Don’t know is the 16 foot, 2x2 ‘poles’ will survive the 100 mph winds we oft host at my location…Guess we find out…I may have to run some guy wires on the upwind side of the of the supports to hold them steady. PCP pipe is too flexible to extend that high…AND… The wife would object to them as being unsightly. (I sorta agree with her on that one!)

BTW My Windom is coax fed…ladder line would not survive the winds up here. (Foothills above Reno, Nevada.)

Joe – W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]

Subject: [ham-antennas] Re: Carolina Windom configuration

My guess is that your overall performance will be better with most of the wire as high in the air as possible, even if you must give it a small bend. 45 degrees doesn't seem to be extreme. My own 160 Meter Offset Fed Dipole has the short leg straight and the long leg making TWO bends of about 80 and 45 degrees respectively into the shape of a C.

All antenna installations are compromises. But my general rule is that there is no substitute for altitude!

33334. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 17:28:56 UTC
From: Chuck Schultz
Topic: 33069 Message: 33334

*While you may have played and enjoyed foul language in the past & what was once forbidden but now everyday . it has not become part of my life or what I enjoy or expect on Ham Radio or related forums. My main station is located in my den in my house. My wife , guest & even my grand daughter are frequent visitors to my shack. I do not wish for my Hobby to become an apology to those for whom I feel responsible. I have spent time on the high seas and never found it hard to air my thoughts and it is often said of me that friends always know how I feel about a subject without harsh or crude words. 73 Chuck Wq5B *
On 7/22/2014 10:01 AM, Joe Wolfe w7rkn.7@... [ham-antennas] wrote:
>
> Did you say something offensive? <<GRIN>>
>
> Anyone remember George Carlin's, "Seven words we will never hear on
> TV"? Heard 'em all now...The FCC has said any word used in a
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> FM announcer on KGLR-FM in Reno, Nevada. Once, when my midnight shift
> started, I played the entire _Broadway_ production of */HAIR/*,
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> from *GROOTNA* (A blues/jazz/soul fusion group) as well as the
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> well as the now famous *Pink Floyd* hit song, */MONEY/*. All of which
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>
> Joe -- W7RKN
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Subject:* Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]
>
>
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> *Thank You Van! *
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>
> *73,*
>
> *Dave-KJ4PF
>
> *
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33335. RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 17:58:10 UTC
From: Gary H. Harmon, Jr.
Topic: 33069 Message: 33335

Let's keep the conversation on HAM-ANTENNAS and not on issues not related to the list topic.

73,

Gary H. Harmon, Jr. - K5JWK

List Moderator 2

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

While you may have played and enjoyed foul language in the past & what was once forbidden but now everyday . it has not become part of my life or what I enjoy or expect on Ham Radio or related forums. My main station is located in my den in my house. My wife , guest & even my grand daughter are frequent visitors to my shack. I do not wish for my Hobby to become an apology to those for whom I feel responsible. I have spent time on the high seas and never found it hard to air my thoughts and it is often said of me that friends always know how I feel about a subject without harsh or crude words. 73 Chuck Wq5B

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Joe - W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Thank You Van!

All duly noted. I WILL watch what I "say" in print in the future. The FCC does not find the word I chose to describe said person as offensive...but YOU are the Moderator/Owner and what you say-go's. I was VERY incensed by the comment's, and with the recent loss of my father in a $5,200 a month facility that barely met his basic needs, coupled with this guy standing up for how we let rest homes treat our elderly...kind of drove me "crazy" to say the least.

Sadly, it's a fate we all will face someday. I spent my whole life taking care of people, in more ways than one. And now as my time approaches, the younger ones want to put us to the curb as garbage. Very Ironic.

Anyways, I will watch what I say, and HOW I say it in future post's.

73,

Dave-KJ4PF

<http://www.avast.com/>

This email is free from viruses and malware because avast! Antivirus <http://www.avast.com/> protection is active.

33336. RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 18:01:40 UTC
From: Joe Wolfe
Topic: 33069 Message: 33336

I respect everyone's beliefs..And I rarely use any unacceptable words on the air..in person is another story.specially if I am frustrated with some government agency or business. My thought is simple..if a business wants my money, and I am unhappy enough to use some choice words, they will listen to me, like it or not.

Years ago, I was disputing an unknown charge on my furniture store credit statement. I used a few words to emphasize my frustration. The guy said he didn't have to listen to that kind of talk and hung up on me.

As I was buying a new house full of new furniture, guess who wasn't the beneficiary of my eventual $15,000.00 purchases. Being the spiteful individual that I am, I took the receipts of all the furniture and decorations I had purchased, went to the store where the guy who hung up on me worked at, and asked him (nicely) if he missed the $1500.00 or so, commission check he didn't receive because he was offended with my language. The store manager was present (at my request) so he knew the store lost a big sale.and as I got up to leave, I cut up their credit card and left it on the manager's desk. In front of me, (Which was wrong, in my book! He should have waited until I left, then called the salesman back in.) the manager asked the salesman to stay..I hope he got an earful from the boss..

I am sure you will disagree with me with some of my comments, but that is ok with me, I understand your sense of correctness! But, where I come from, putting money in the bank is far more important to my (AND my fmily) than my sense of morality. (As long as it is legal.)

Chuck, With respect to you and your belief's, if you were in my house, I would be careful to watch my 'tongue'...as I do when I am on the air..

The group I chat with every morning on 75 meters, is pretty good about language.the hate and discontent groups are not my bag, so shy away from them, as I do with religious groups. If the conversation, starts to get political, no matter my own belief's, I bid everyone adieu and go somewhere else.

Toodles! (Go ahead and laugh.I've been saying that for years!)

73

Joe - W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

While you may have played and enjoyed foul language in the past & what was once forbidden but now everyday . it has not become part of my life or what

I enjoy or expect on Ham Radio or related forums. My main station is located in my den in my house. My wife , guest & even my grand daughter are frequent visitors to my shack. I do not wish for my Hobby to become an apology to those for whom I feel responsible. I have spent time on the high seas and never found it hard to air my thoughts and it is often said of me that friends always know how I feel about a subject without harsh or crude words. 73 Chuck Wq5B

33337. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 18:01:50 UTC
From: Richard Schmuke
Topic: 33310 Message: 33337

Dave, his name is "Starving Marvin" , now Marvin for short. He was a feral cat, very thin and badly injured when he first came by. Took him to the vet and had fixed up and "fixed" , now is the friendliest feline we have.

He does a good job, here is final inspection of parts for full size portable 40M vertical used on field day.

http://s1102.photobucket.com/user/KD0ZZ/media/40M%20vertical/40MParts.jpg.html

Two other pictures in album are feed point close up and portable antenna support.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 10:16 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Wooden antenna tower plans

Hey Rich!

I like your "on-site" OSHA inspector. Looks like a Tom....What's his name (and GS pay grade? Image removed by sender. :-P)

73,

Dave-KJ4PF

[Non-text portions of this message have been removed]

33338. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 18:10:44 UTC
From: Joe Wolfe
Topic: 33310 Message: 33338

I love cats! I have two Bengals, and whenever a repairman comes to the house for something, Sophie has to be right there, supervising.. Our dishwasher croaked while still under warranty...as the repairman had everything apart to get at the problem, Sophie hopped right in to the washer and proceeded to tell the repairman exactly what to do. There was quite a conversation going on between the repairman and Sophie!

I video'd it with my phone, but screwed up and lost the video...(Very upset at myself....would have been a good YouTube video!)

BTW..I have always enjoyed you tilt-over tower..I forget what group I first saw it on...but though it was quite nifty...if I had the room for a fold-over, I would seriously consider your design.....a heck of a lot cheaper than a steel tower and not as 'ugly' (As my wife says!)

Joe - W7RKN

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: RE: [ham-antennas] Wooden antenna tower plans

Dave, his name is "Starving Marvin" , now Marvin for short. He was a feral cat, very thin and badly injured when he first came by. Took him to the vet and had fixed up and "fixed" , now is the friendliest feline we have.

He does a good job, here is final inspection of parts for full size portable 40M vertical used on field day.

http://s1102.photobucket.com/user/KD0ZZ/media/40M%20vertical/40MParts.jpg.html

Two other pictures in album are feed point close up and portable antenna support.

Rich, Kd0zz

33339. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-22 23:15:18 UTC
From: Richard Schmuke
Topic: 33310 Message: 33339

The tilt over system has it plus and minus. If you build very tall it gets heavy when you tilt, but it is easier to tilt than to climb a tower for a old man. I own my own land so I have to ask no one except the XYL when I build something. A bonus with retirement is room for the tilt over but had a few trees in the back yard were in the way for my 160M delta loop.

http://s1102.photobucket.com/user/KD0ZZ/media/160%20Loop/trees010_zpse5180867.jpg.html

Rich, Kd0zz

33340. Re: [ham-antennas] Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 02:11:53 UTC
From: Andy
Topic: 33293 Message: 33340

Steve wrote:

"I was referring to the Sinclair antenna, I was just venting about the J-Pole"

OK ... then the strange behavior was the flat SWR you saw on 440, right?

I expect that's happening because it is close to the 3rd harmonic, where a dipole comes into resonance again, and the SWR drops. 440 is a bit away from the 3rd harmonic on that antenna model (it should be around 490 MHz), so that is somewhat unexpected. And of course I am assuming that by "UHF" you mean the amateur 440 MHz band. Do you have a way to measure its SWR vs. frequency up there, over a wider range, say with an antenna analyzer?

Or maybe the antenna has some sort of absorbing bandpass filter (like a duplexer with dummy load) that makes it present a low SWR for anything sufficiently far out of band. Or it use really lossy coax. But that seems doubtful.

Regards,
Andy

33341. Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 10:52:44 UTC
From: john salsgiver
Topic: 33310 Message: 33341

To Ed N6MMW and Bryan WA7PRC: Thanks for the emails on the wooden tower issue. And Rich, KD0ZZ thanks for the pivoting tower sketch, that looks even more simple.

73 John KB3SVJ

33342. AW: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 11:57:53 UTC
From: siegfried jackstien
Topic: 33310 Message: 33342

Just for your notes ... tilting does work better with a gin pole!!

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 23. Juli 2014 10:53
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Wooden antenna tower plans
>
>
>
> To Ed N6MMW and Bryan WA7PRC: Thanks for the emails on the
> wooden tower issue. And Rich, KD0ZZ thanks for the pivoting
> tower sketch, that looks even more simple.
>
> 73 John KB3SVJ
>
>
>

33343. Re: [ham-antennas] Strange behavour

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 15:17:06 UTC
From: steve.lenaghan@...
Topic: 33293 Message: 33343

Third harmonic would explain it. The cable is not too lossy, I put load & Bird at end and it seemed ok. The pattern must be interesting, but I have nothing in that frequency range in this area,

My FT897D doesn't give me a SWR warning so this will work on VHF, sort of, until I get a new antennas & tower, probably next spring when I get back from Virginia.

I would convert this to amateur but it needs different harness and larger dipoles. So I could keep the mast and mount. Some farmer will buy it from me, eventually.

73 Steve VE5SR

33344. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 16:57:09 UTC
From: jim burns
Topic: 33310 Message: 33344

I have built poles to 25' by using 2X lumber and sandwich a 2 X 4 between two 2 X 4 with a 2' overlap. I might try to build one taller with maybe 2 X 6 at the bottom. You can put a 2 X 6 or 2 X 8 in concrete with several feet above ground and use heavy bolts to secure the pole. Remove all bolts except one to hinge the pole up and down. Careful, it will be heavy. Have any of you done this and how high is practical with 2 X lumber?

You can use treated lumber for a long life span.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 7:26 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Wooden antenna tower plans

If you can get cheap in a usable height ... then rebuild it in 10 years and put the old one in your fire place :-)

Hmmm with the right wood used ... it would sure hold longer then 10 years

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 22. Juli 2014 10:35
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Wooden antenna tower plans
>
>
>
> OK I like the 40 Ft Mine is a 33 Ft Crank up and easy to work on. How do
> you plan to mount antennas and work on it ?
>
> You□re going to climb it? What are you going to do in 10 years paint it,
> it may have dry rot?
>
> It may be unsafe in 10 years?
>
>
>
> Richard
>

>
>
>
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, July 22, 2014 6:10 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Wooden antenna tower plans
>
>
>
>
>
> Hi ALL:
> If this subject was covered in the past please give me direction
> to same regarding building a wooden tower to mount antennas by
> this group.
>
> I am looking to build a wooden tower upon which to mount some
> antenna's. I would say the that it would be on the order of what
> you see in those old western flicks, of the little windmill H2O
> pump tower.
>
> I am thinking a 40' structure would be acceptable or even 60' may
> be better.
>
> Thank you!
>
> John KB3SVJ
>
>
>
>

33345. RE: AW: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 17:14:52 UTC
From: jim burns
Topic: 33310 Message: 33345

Wow ! I've never heard of that. Cool !

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 8:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Wooden antenna tower plans

They around here have been using a LOT of laminated (Glued) wood power poles. A quick Google search shows one company with ones that go as high as 165 feet! and 165 feet dead end UNGUYED!!! where it has to hold back thousands of pounds of the wire tension!! WOW!!!

http://methowvalleynews.com/wp-content/uploads/2013/10/PUD-PowerPole.jpg
http://methowvalleynews.com/wp-content/uploads/2013/10/PUD-PowerPole.jpg
http://appasuppliersguide.org/logos/462599_PROD_Laminate.jpg
http://appasuppliersguide.org/logos/462599_PROD_Laminate.jpg
http://www.blpole.com/products/7

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com> http://www.idle-tyme.com

On 7/22/2014 6:25 AM, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:

If you can get cheap in a usable height ... then rebuild it in 10 years and put the old one in your fire place :-)

Hmmm with the right wood used ... it would sure hold longer then 10 years

Dg9bfc

Sigi

-----Ursprüngliche Nachricht-----
Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Gesendet: Dienstag, 22. Juli 2014 10:35
An: ham-antennas@yahoogroups.com
Betreff: RE: [ham-antennas] Wooden antenna tower plans

OK I like the 40 Ft Mine is a 33 Ft Crank up and easy to work on. How do you plan to mount antennas and work on it ?

You□re going to climb it? What are you going to do in 10 years paint it, it may have dry rot?

It may be unsafe in 10 years?

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, July 22, 2014 6:10 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Wooden antenna tower plans

Hi ALL:
If this subject was covered in the past please give me direction to same regarding building a wooden tower to mount antennas by this group.

I am looking to build a wooden tower upon which to mount some antenna's. I would say the that it would be on the order of what you see in those old western flicks, of the little windmill H2O pump tower.

I am thinking a 40' structure would be acceptable or even 60' may be better.

Thank you!

John KB3SVJ

Posted by: "siegfried jackstien" <mailto:siegfried.jackstien@...>
<siegfried.jackstien@...>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

[Non-text portions of this message have been removed]

33346. Balun 4 to 1 and 1 to 1 differance

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 18:42:29 UTC
From: gatewood_bill@...
Topic: 33346 Message: 33346

What is the actual difference between a 4 to 1 and a 1 to 1 balun ? When do you use each one ? Thanks

33347. Re: [ham-antennas] Balun 4 to 1 and 1 to 1 differance

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 18:52:09 UTC
From: Andy
Topic: 33346 Message: 33347

"gatewood_bill" wrote:

"What is the actual difference between a 4 to 1 and a 1 to 1 balun ?"

The difference is the impedance transformation. The 4:1 transforms the impedance by a ratio of 4:1 (or 1:4 depending on which way it faces). Thus, it might be 50 ohms on one side and 200 ohms on the other. Or 300 ohms on one side and 75 on the other. Etc.

There might also be differences regarding voltage balun vs. current balun, or which end is unbalanced, etc., but those are incidentals not strictly related to which impedance ratio your balun has.

"When do you use each one ?"

You would use a 1:1 when you do not need an impedance transformation. For example, interfacing a dipole to a coax feedline.

You would use a 4:1 when you do want an impedance transformation. For example, interfacing a large loop or maybe a folded dipole to a coax feedline.

Regards,
Andy

33348. RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 21:25:08 UTC
From: kv4kp@...
Topic: 33069 Message: 33348

The people in a small business are like a family to each other. They're all going to stick up for each other. Joe, let's say I want to use foul language to your family, how much do you generally charge for that right?

The best thing for the morale of a business is to fire the disgruntled and rude customers. There's 15,600 google links for "fire customers"; it's very well-known.

Turn your argument 100%. If you were nice to people you could have probably gotten a discount on your furniture.

I've gone to a store where someone was being rude to the employees. When I walked in with my flat tire the employee said: Do you have our extended warranty? I said no. He said: You'd have bought it if it was offered to you wouldn't you?

He sold me an extended warranty for 10 dollars, and then gave me a brand new tire.

33349. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 22:38:51 UTC
From: jerrybosak@...
Topic: 33310 Message: 33349

There is plans in the 1950 Amateurs Radio Handbook on how to build 40' supports out of nothing but two by two's or two by fours that supports a 16' - two by two that tilts upward and locks into the assembly. Using 3 boards as a base, you can get your wire antenna 40' off the ground.

The topics covered in the Handbook still applies today with the exception of home brew radios and amplifiers and transmitters and tubes.

33350. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-23 23:19:54 UTC
From: David V Colton
Topic: 33069 Message: 33350

Excellent POINT on how a good sales person thinks! THAT person will either own THAT shop one day...or has started his own. I grew up in retail sales. (My parent's owned a IGA supermarket.) My Dad always taught his employee's to "make the customer happy." He said a happy customer is worth gold in FREE good publicity. One unhappy customer can do more damage than you can afford to pay for. Sadly ALL business in the USA today really doesn't care about customer service OR how the customer's feel about THEM.
I enjoyed your comment's.
73,
Dave-KJ4PF

-----Original Message-----
From: kv4kp@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Jul 23, 2014 5:25 pm
Subject: RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

The people in a small business are like a family to each other. They're all going to stick up for each other. Joe, let's say I want to use foul language to your family, how much do you generally charge for that right?

The best thing for the morale of a business is to fire the disgruntled and rude customers. There's 15,600 google links for "fire customers"; it's very well-known.

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He sold me an extended warranty for 10 dollars, and then gave me a brand new tire.

33351. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 00:48:56 UTC
From: William Collister
Topic: 33310 Message: 33351

I see this a great solution. Occasionally, power companies cut down old poles and that could be a source for the two parts you talk about!

Bill

N7MOG

To: ham-antennas@yahoogroups.com
From: ham-antennas@yahoogroups.com
Date: Tue, 22 Jul 2014 06:32:49 -0700
Subject: RE: [ham-antennas] Wooden antenna tower plans

John,

I have seen and used a small diameter telephone 30-40 foot pole mounted on the side of a 10 foot one. The 10 foot one was planted firmly in the ground and the top of the 10 foot had a pulley to the to the taller one. The taller one had it's base bolted to a base pivot point of the 10 foot. Easy to tilt up and lower with care. With the treated poles, life is >20 years. The taller one sometimes had the foot pegs.

Mel, K6KBE

33352. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 01:22:34 UTC
From: Richard Schmuke
Topic: 33310 Message: 33352

To follow up on Bills, N7MOG statement, the power company around here do not cut down poles when they are bad they pull them up and replace them. They check the poles with a hammer , a good pole has a certain ring, if bad, they put a yellow ribbon around it and a few days later a crew will come out to replace it. I try to beat them and staple a note on the pole with my name, address and phone number to leave it on the ground. I will come and get it. They had a pole getting too close to a creek washing away one time and installed a new pole, they not only left the old one lay but has a extra old one on their trailer and dropped it on the ground so for two different pole changes I got three poles total. I cut one in two and made a bridge over my ponds overflow but still have 2 poles to use. Now all I need is help to install them, my best radio buddies are all about in their 70's, not too good for setting poles.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 23, 2014 7:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Wooden antenna tower plans

I see this a great solution. Occasionally, power companies cut down old poles and that could be a source for the two parts you talk about!
Bill
N7MOG

--

33353. RE: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 01:55:25 UTC
From: Richard Schmuke
Topic: 33310 Message: 33353

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 23, 2014 6:58 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Wooden antenna tower plans

Just for your notes ... tilting does work better with a gin pole!!

Dg9bfc

Sigi

As normal, Sigi is right, it is easy to tilt with a gin pole and a little come-a-long. Here is a sketch of one I made 30 years ago with a built in gin pole, This is still in use today as a quick change system when I am building and testing a antenna. It is easy to unbolt and take with you when you move. My large tilt system is direct into concrete but I intend to die here so it is someone else's problem. The next picture in the album is a shot of the base and with double nuts above and below the plate the mast can be set perfectly vertical so it is pleasing to the XYL.

http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html

33354. Re: [ham-antennas] Wooden antenna tower plans

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 02:24:33 UTC
From: Mel Farrer
Topic: 33310 Message: 33354

I have a similar story. While I was assembling my QTH in Morgan Hill CA. I needed a pole/tower, etc for my log periodic antenna. Being a old PT&T phone guy, I asked around and the local guy suggested I contact the PG&E foreman. Now the road from San Jose to Morgan Hill was called, "Blood Alley", as it was one of the last of the three lane passing highways. So I asked the PG&E foreman if he might have a solution. His comment was that when they get a vehicle damaged power pole and have to replace it, Well ....so where do you live, after exchanging info I went home. About two weeks later, about noon, I got a call from him and he asked if I still needed one, Yes I said.

OK, he said, "Off line, OK", yes, put a case of Coor's where you what the pole. I took off that afternoon and diligently placed the case where instructed.

YES, and just like Jack and the bean story, that night I came home and found a shortened but beautiful pole in my back yard. Wonders never cease.

This way he didn't have to cut it up for recycling and it didn't go to some unauthorized, use like a fireplace.

Funny how that works out.

Mel, K6KBE

On Wednesday, July 23, 2014 6:22 PM, "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

To follow up on Bills, N7MOG statement, the power company around here do not cut down poles when they are bad they pull them up and replace them. They check the poles with a hammer , a good pole has a certain ring, if bad, they put a yellow ribbon around it and a few days later a crew will come out to replace it. I try to beat them and staple a note on the pole with my name, address and phone number to leave it on the ground. I will come and get it. They had a pole getting too close to a creek washing away one time and installed a new pole, they not only left the old one lay but has a extra old one on their trailer and dropped it on the ground so for two different pole changes I got three poles total. I cut one in two and made a bridge over my ponds overflow but still have 2 poles to use. Now all I need is help to install them, my best radio buddies are all about in their 70’s, not too good for setting poles.

Rich, Kd0zz

From:ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, July 23, 2014 7:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Wooden antenna tower plans

I see this a great solution. Occasionally, power companies cut down old poles and that could be a source for the two parts you talk about!
Bill

N7MOG

--

33355. Re: Diamondback Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 12:40:04 UTC
From: jerrybosak@...
Topic: 3 Message: 33355

Look at the ARRL Antenna Book.

There is probably some articles in the Radio Amateur's Handbook - if you can find one old enough.

You can also research old periodicals such as S-3 Magazine and CQ.

In the 1960's and 70's - there was probably more research done on 11 meter antenna's and antenna designs then any other time in the history of radio.

33356. Re: Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-24 12:51:08 UTC
From: jerrybosak@...
Topic: 5 Message: 33356

G5RV - sounds like you don't know anything about antenna's!

A 3 Element Beam antenna, about 300' off the ground would be a good performance antenna on 160 meters!

LOL

[quote] Cheap, but effective and easy to install and
maintain - that shouldn't be too much to ask for...

You are asking a lot from a piece of wire that will probably only be a couple of feet off the ground.

How about a radio tower sitting on a glass ball, shunt fed, it might only need to be about 280' tall?

If you want to talk and be able to hear others on 160 meters, you need to have a lot of copper up in the air as high as possible.

About the only compromise antenna I can think of would be the BaRker and Williamson BWD 90 Folded Dipole antenna. Even with that, you would need some poles 60' tall and a good amplifier and an antenna tuner.

33357. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 00:09:23 UTC
From: jim burns
Topic: 33357 Message: 33357

I once found a website that had moving diagrams showing wave movement on feedlines and antennas. Does anyone know where I might find that?

TNX
Jim, WB4ILP

33358. Re: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 00:37:02 UTC
From: Van Lincoln
Topic: 33357 Message: 33358

At 00:09 7/25/2014, you wrote:
>I once found a website that had moving diagrams showing wave
>movement on feedlines and antennas.

Does anyone know where I might find that?
TNX
Jim, WB4ILP

>

here is a url for viewing: http://reviseomatic.org/help/2-antenna/Antenna.php

wd8aam
van

33359. 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 14:39:21 UTC
From: KB3YRC
Topic: 33359 Message: 33359

Who here can talk about the insides of an ICOM 735 radio? Who has had one apart?

I think I have a loss or bad solder joint at the antenna connector.

And I well

Call me or e-mail me

KB3YRC

Richard

33360. Re: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 15:12:02 UTC
From: Don Sanders
Topic: 33359 Message: 33360

I have 2 IC735's and have been inside. I do not have one open at this time.
But need to shortly to do some trouble shooting, receives but no transmit.

The solder joint from ant or receiver jack to PWB is common problem.

Don W4BWS
w4bws1 at gmail dot com

On Fri, Jul 25, 2014 at 9:39 AM, 'KB3YRC' kb3yrc@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> Who here can talk about the insides of an ICOM 735 radio? Who has had one
> apart?
>
>
>
> I think I have a loss or bad solder joint at the antenna connector.
>
>
>
> And I well
>
>
>
> Call me or e-mail me
>
>
>
> KB3YRC
>
> Richard
>
>
>

--
Dr. Don W4BWS

33361. RE: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 15:20:11 UTC
From: KB3YRC
Topic: 33359 Message: 33361

How do I get to the bottom side? If I take out seven screws, two at the antenna jack, the nut on the audio port.

Can I lift the board out to re-solder it

I hope the picture comes through

Richard

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 11:12 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 735

I have 2 IC735's and have been inside. I do not have one open at this time. But need to shortly to do some trouble shooting, receives but no transmit.

The solder joint from ant or receiver jack to PWB is common problem.

Don W4BWS

w4bws1 at gmail dot com

On Fri, Jul 25, 2014 at 9:39 AM, 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Who here can talk about the insides of an ICOM 735 radio? Who has had one apart?

I think I have a loss or bad solder joint at the antenna connector.

And I well

Call me or e-mail me

KB3YRC

Richard

--
Dr. Don W4BWS

[Non-text portions of this message have been removed]

33362. Re: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 15:45:32 UTC
From: k9jfk@...
Topic: 33357 Message: 33362

Hi...
A great explanation and physical demonstration of wave theory is here, done by Bell Labs and Dr. JN Shive.

AT&T Archives : Similarities of Wave Behavior (Bonus Edition) http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior

http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior

AT&T Archives : Similarities of Wave Behavior (Bonus Edi... http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space

View on techchannel.att.com http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior
Preview by Yahoo

Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.

73, Jimmie, K9JFK

33363. Bell Labs

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 15:54:28 UTC
From: W1JCW
Topic: 33357 Message: 33363

Very nice !

I love how professional we dressed and made presentations back then.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 10:46 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] jim burns

Hi...
A great explanation and physical demonstration of wave theory is here, done by Bell Labs and Dr. JN Shive.

AT <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> &T Archives : Similarities of Wave Behavior (Bonus Edition)

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> image

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...

In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> View on techchannel.att.com

Preview by Yahoo

Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.

73, Jimmie, K9JFK

33364. Re: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 16:03:49 UTC
From: David V Colton
Topic: 33359 Message: 33364

Rich: I am on my 4th IC-735 in my 36+ years as a ham. FINE rig...for it's age and technology. I will assume you know about the VCO plastic trimmer problem that the 735 is "famous" for. (If not, E-mail me and I will fill you in.)

This list's the 735 Antenna Jack Problem.

http://www.dublerfamily.com/Regina_oceani/Manuals/Electronics/Ham%20Radios/ICOM%20IC-M735/IC-735%20most%20common%20service%20questions.pdf

Here is the 735 Service Manual.. It will take 3 to 5 minutes to download-it's a big file so be patient. (It'a 149 pages!)

http://www.fujiyachts.net/manuals/Icom%20IC-735%20Service%20Manual.pdf

(Pictorial on page 7-6 (Actual page 56), shows the connection in upper left.)

FYI-IF the link's don't automatically load when you "click" on them...cut and paste them to your browser. I had had an issue with some people I send stuff to. (But ONLY if they are using Internet Explorer as their browser.) Haven't been able to work that "bug" out-yet!

Hope this helps. Good Luck!
73,
Dave-KJ4PF

-----Original Message-----
From: 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Jul 25, 2014 10:38 am
Subject: [ham-antennas] 735

Who here can talk about the insides of an ICOM 735 radio? Who has had one apart?

I think I have a loss or bad solder joint at the antenna connector.

And I well

Call me or e-mail me

KB3YRC
Richard

33365. RE: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 16:26:48 UTC
From: KB3YRC
Topic: 33359 Message: 33365

That will give me a good start

Richard

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 12:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 735

Rich: I am on my 4th IC-735 in my 36+ years as a ham. FINE rig...for it's age and technology. I will assume you know about the VCO plastic trimmer problem that the 735 is "famous" for. (If not, E-mail me and I will fill you in.)

This list's the 735 Antenna Jack Problem.

http://www.dublerfamily.com/Regina_oceani/Manuals/Electronics/Ham%20Radios/ICOM%20IC-M735/IC-735%20most%20common%20service%20questions.pdf

Here is the 735 Service Manual.. It will take 3 to 5 minutes to download-it's a big file so be patient. (It'a 149 pages!)

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(Pictorial on page 7-6 (Actual page 56), shows the connection in upper left.)

FYI-IF the link's don't automatically load when you "click" on them...cut and paste them to your browser. I had had an issue with some people I send stuff to. (But ONLY if they are using Internet Explorer as their browser.) Haven't been able to work that "bug" out-yet!

Hope this helps. Good Luck!

73,

Dave-KJ4PF

-----Original Message-----
From: 'KB3YRC' kb3yrc@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Jul 25, 2014 10:38 am
Subject: [ham-antennas] 735

Who here can talk about the insides of an ICOM 735 radio? Who has had one apart?

I think I have a loss or bad solder joint at the antenna connector.

And I well

Call me or e-mail me

KB3YRC

Richard

33366. Re: [ham-antennas] Bell Labs

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 16:38:01 UTC
From: Dave Daniel
Topic: 33357 Message: 33366

And the blackboard diagrams are drawn very neatly.

On 7/25/2014 9:54 AM, W1JCW w1jcw@... [ham-antennas] wrote:
>
> Very nice !
>
> I love how professional we dressed and made presentations back then.
>
> 73-
>
> W1JCW
>
> John
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Friday, July 25, 2014 10:46 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] jim burns
>
> Hi...
> A great explanation and physical demonstration of wave theory is
> here, done by Bell Labs and Dr. JN Shive.
>
>
> AT&T Archives : Similarities of Wave Behavior (Bonus Edition)
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
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> image
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
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> AT&T Archives : Similarities of Wave Behavior (Bonus
> Edi...<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-
Wave-Behavior>
>
> In this 1959 film, Dr. J.N. Shive demonstrates the similarities among
> waves of sound, light, and physical space

>
>
>
> View on *techchannel.att.com*
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
>
>
>
> Preview by Yahoo
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>
>
>
> Lots of other good things at that site. AT&T put most of the "old"
> film archives on line a couple of years ago.
>
> 73, Jimmie, K9JFK
>
>

33367. RE: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 16:53:33 UTC
From: jim burns
Topic: 33357 Message: 33367

Thanks Jimmie !

Everyone should look at this.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 11:46 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] jim burns

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AT <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> &T Archives : Similarities of Wave Behavior (Bonus Edition)

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> image

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...

In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> View on techchannel.att.com

Preview by Yahoo

Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.

73, Jimmie, K9JFK

33368. RE: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 17:02:41 UTC
From: KB3YRC
Topic: 33357 Message: 33368

And I spent three years in collage costing (...) and learned more in 20 minute.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 12:54 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] jim burns

Thanks Jimmie !

Everyone should look at this.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 11:46 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] jim burns

Hi...
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<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> &T Archives : Similarities of Wave Behavior (Bonus Edition)

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> image

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...

In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space

<http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-Behavior> View on techchannel.att.com

Preview by Yahoo

Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.

73, Jimmie, K9JFK

33369. Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 17:07:39 UTC
From: dean
Topic: 33369 Message: 33369

I’m thinking of putting up a Delta Loop but not sure what kind of a pole to use. I have a tri band up about 45 feet but not sure if I can have the delta under it, with it being a metal pole. I’m wanting to put up a full wave 40 meter.

73, WY6L

33370. Re: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 17:47:57 UTC
From: Don Sanders
Topic: 33369 Message: 33370

Hi Dean, Yes you can "JUST" get a 40 meter delta on the 45 foot mast. Each side would be about 47 feet long and you need 41 foot top of apex to the middle of the bottom. Actually this is a bit too low for the bottom.
I would suggest making each sloping side about 40 feet long and the bottom 60 foot . This will be more a right angle delta. You can feed it at the apex or middle bottom with good results for horizontal. Feed it 1/4 wave down from the apex on one side or at a lower corner for more vertical polarity.
If you space the apex away from the mast 2 to 3 feet and the bottom away also it should work well with less coupling to the mast. Several articles of slightly sloping vertical deltas have been in the ham mags with good results.
It will probably have a feed impedance of 90 to 130 ohms, lots of placement variables, so a 1/4 wave of 75 ohm then 50 ohm to the transmatch will work. Or balanced feed line to the transmatch.

Let us know how it works.

Don HC4/W4BWS

On Fri, Jul 25, 2014 at 12:07 PM, 'dean' deanf@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I’m thinking of putting up a Delta Loop but not sure what kind of a pole
> to use. I have a tri band up about 45 feet but not sure if I can have the
> delta under it, with it being a metal pole. I’m wanting to put up a full
> wave 40 meter.
>
> 73, WY6L
>
>
>
>

--
Dr. Don W4BWS

33371. Re: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 19:24:28 UTC
From: dean
Topic: 33369 Message: 33371

Going to feed it at one side of the corners for low angle take off. I’m putting a 4:1 current balun on it and the feedline will be LMR 400 as that is what I have. To space it a foot or so away from the tower I will have to lower the tower. Not sure what I’m going to space it with. I want to make the bottom of the loop at least 7 feet off the ground for good antenna safety.

Can I feed it with ladder line instead of coax and put the ladder line into the 4:1 current balun close to the house.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2014 10:47 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Delta Loop

Hi Dean, Yes you can "JUST" get a 40 meter delta on the 45 foot mast. Each side would be about 47 feet long and you need 41 foot top of apex to the middle of the bottom. Actually this is a bit too low for the bottom.
I would suggest making each sloping side about 40 feet long and the bottom 60 foot . This will be more a right angle delta. You can feed it at the apex or middle bottom with good results for horizontal. Feed it 1/4 wave down from the apex on one side or at a lower corner for more vertical polarity.
If you space the apex away from the mast 2 to 3 feet and the bottom away also it should work well with less coupling to the mast. Several articles of slightly sloping vertical deltas have been in the ham mags with good results.
It will probably have a feed impedance of 90 to 130 ohms, lots of placement variables, so a 1/4 wave of 75 ohm then 50 ohm to the transmatch will work. Or balanced feed line to the transmatch.

Let us know how it works.

Don HC4/W4BWS

On Fri, Jul 25, 2014 at 12:07 PM, 'dean' deanf@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I’m thinking of putting up a Delta Loop but not sure what kind of a pole to use. I have a tri band up about 45 feet but not sure if I can have the delta under it, with it being a metal pole. I’m wanting to put up a full wave 40 meter.

73, WY6L

--
Dr. Don W4BWS

33372. Re: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 20:09:57 UTC
From: Don Sanders
Topic: 33369 Message: 33372

Yes you can use ladder line and the balun close to the house. Spacing at top can be with a piece of 2 X 4 lumber secured to the tower and a pully at the end away from the tower. Or if you have a pully and rope now just don't pull the apex all the way up and pull the apex out by pulling the bottom out.
If you have a band that is hard to get tuned, then add 1/8 wave more ladder line at that band and try it. Usually the match box will tune except at very low or very high loads. So adding a little line changes the impedance at the matchbox just enough to get a match. Anything SWR under 2.5 to 1 will usually be enough unless you have a really cranky transmitter.Some just don't like 2 :1 or more.

Don

On Fri, Jul 25, 2014 at 2:24 PM, 'dean' deanf@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Going to feed it at one side of the corners for low angle take off. I’m
> putting a 4:1 current balun on it and the feedline will be LMR 400 as that
> is what I have. To space it a foot or so away from the tower I will have
> to lower the tower. Not sure what I’m going to space it with. I want to
> make the bottom of the loop at least 7 feet off the ground for good antenna
> safety.
>
> Can I feed it with ladder line instead of coax and put the ladder line
> into the 4:1 current balun close to the house.
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Friday, July 25, 2014 10:47 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Delta Loop
>
>
>
> Hi Dean, Yes you can "JUST" get a 40 meter delta on the 45 foot mast. Each
> side would be about 47 feet long and you need 41 foot top of apex to the
> middle of the bottom. Actually this is a bit too low for the bottom.
> I would suggest making each sloping side about 40 feet long and the bottom
> 60 foot . This will be more a right angle delta. You can feed it at the
> apex or middle bottom with good results for horizontal. Feed it 1/4 wave

> down from the apex on one side or at a lower corner for more vertical
> polarity.
> If you space the apex away from the mast 2 to 3 feet and the bottom away
> also it should work well with less coupling to the mast. Several articles
> of slightly sloping vertical deltas have been in the ham mags with good
> results.
> It will probably have a feed impedance of 90 to 130 ohms, lots of
> placement variables, so a 1/4 wave of 75 ohm then 50 ohm to the transmatch
> will work. Or balanced feed line to the transmatch.
>
> Let us know how it works.
>
> Don HC4/W4BWS
>
>
> On Fri, Jul 25, 2014 at 12:07 PM, 'dean' deanf@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>> I’m thinking of putting up a Delta Loop but not sure what kind of a
>> pole to use. I have a tri band up about 45 feet but not sure if I can have
>> the delta under it, with it being a metal pole. I’m wanting to put up a
>> full wave 40 meter.
>>
>> 73, WY6L
>>
>>
>
>
>
> --
> Dr. Don W4BWS
>
>
>

--
Dr. Don W4BWS

33373. RE: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 20:18:30 UTC
From: Richard Schmuke
Topic: 33369 Message: 33373

You have different options with a delta loop. It is a 100 ohm antenna and needs a 2:1 balun or a 75ohm matching section. Another way to use coax is to make it 80M in size and it is a 200ohm antenna at 40 thru 6 then use the 4:1 current balun at the feed point and it will be a multiband antenna and do 40 thru 6 with low SWR and 80M at 2:1 swr. If you use ladder line you can have the balun at the tuner with a short section coax. I had a 4:1 x 1:1 switchable balun because different balun were better on different bands with ladder line.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 2:24 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Delta Loop

Going to feed it at one side of the corners for low angle take off. I'm putting a 4:1 current balun on it and the feedline will be LMR 400 as that is what I have. To space it a foot or so away from the tower I will have to lower the tower. Not sure what I'm going to space it with. I want to make the bottom of the loop at least 7 feet off the ground for good antenna safety.

Can I feed it with ladder line instead of coax and put the ladder line into the 4:1 current balun close to the house.

73, WY6L

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3336 members (as of 02/16/13). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

<https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJmbnVhYjhnBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDYzMTYyODA-> Visit Your Group

· <https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnbGZubnZyBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDA2MzE2Mjgw> New Members 8

<https://groups.yahoo.com/neo;_ylc=X3oDMTJlMjVsOXVyBF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwNjMxNjI4MA--> Image removed by sender. Yahoo! Groups

• <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> Privacy • <mailto:ham-antennas-unsubscribe@yahoogroups.com?subject=Unsubscribe> Unsubscribe • <https://info.yahoo.com/legal/us/yahoo/utos/terms/> Terms of Use

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Image removed by sender.
Image removed by sender.

[Non-text portions of this message have been removed]

33374. Re: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 20:25:34 UTC
From: Joe
Topic: 33369 Message: 33374
Attachments: 1 described; binary payloads are missing from this source WARC

4 to 1 balun will make the impedance awful low. 20 to 30 ohms only. All my delta loops I fed with the 1/4 wave of 75 ohm line, then any length of 50 to rig SWR was dead flat and decent at the band edges.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/25/2014 2:24 PM, 'dean' deanf@... [ham-antennas] wrote:
>
>
> Going to feed it at one side of the corners for low angle take off.
> I'm putting a 4:1 current balun on it and the feedline will be LMR 400
> as that is what I have. To space it a foot or so away from the tower
> I will have to lower the tower. Not sure what I'm going to space it
> with. I want to make the bottom of the loop at least 7 feet off the
> ground for good antenna safety.
> Can I feed it with ladder line instead of coax and put the ladder line
> into the 4:1 current balun close to the house.
> 73, WY6L
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Friday, July 25, 2014 10:47 AM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* Re: [ham-antennas] Delta Loop
>
> Hi Dean, Yes you can "JUST" get a 40 meter delta on the 45 foot mast.
> Each side would be about 47 feet long and you need 41 foot top of apex
> to the middle of the bottom. Actually this is a bit too low for the
> bottom.
> I would suggest making each sloping side about 40 feet long and the
> bottom 60 foot . This will be more a right angle delta. You can feed
> it at the apex or middle bottom with good results for horizontal.
> Feed it 1/4 wave down from the apex on one side or at a lower corner
> for more vertical polarity.
> If you space the apex away from the mast 2 to 3 feet and the bottom
> away also it should work well with less coupling to the mast. Several
> articles of slightly sloping vertical deltas have been in the ham mags
> with good results.
> It will probably have a feed impedance of 90 to 130 ohms, lots of
> placement variables, so a 1/4 wave of 75 ohm then 50 ohm to the
> transmatch will work. Or balanced feed line to the transmatch.
> Let us know how it works.

> Don HC4/W4BWS
>
>
> On Fri, Jul 25, 2014 at 12:07 PM, 'dean' deanf@...
> <mailto:deanf@...> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
> I’m thinking of putting up a Delta Loop but not sure what kind of
> a pole to use. I have a tri band up about 45 feet but not sure if
> I can have the delta under it, with it being a metal pole. I’m
> wanting to put up a full wave 40 meter.
> 73, WY6L
>
>
>
> --
> Dr. Don W4BWS
>
>
>

33375. Re: [ham-antennas] Delta Loop

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 20:33:24 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33369 Message: 33375
Attachments: 1 described; binary payloads are missing from this source WARC

One of our local hams asked a question on the repeater a couple of days ago.. what sort of antenna will work in his attic? Well, I suggested a delta or "square" loop painted to match his house on the exterior wall. It would be almost invisible unless you walked right up to it and touched it.. and even then may be invisible. His townhouse is an end unit on his strip of townhomes... so that means he could (in theory) put up a whole 80 meter loop running it down the edge of the front... go around the corner and so on.. That should cover 80-40 etc.. rather nicely with a good tuner. Throw in a 2:1 or 4:1 balun, and you are home free... will work better on some bands than others.... and probably would need to be put up at night, fed with latex covered feedline (to match the house again) - fed from one of the top corners...

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, July 25, 2014 4:25 PM
Subject: Re: [ham-antennas] Delta Loop

4 to 1 balun will make the impedance awful low. 20 to 30 ohms only. All my delta loops I fed with the 1/4 wave of 75 ohm line, then any length of 50 to rig SWR was dead flat and decent at the band edges.

Joe WB9SBD
Sig

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/25/2014 2:24 PM, 'dean' deanf@... [ham-antennas] wrote:

>Going to feed it at one side of the corners for low angle take off. I’m putting a 4:1 current balun on it and the feedline will be LMR 400 as that is what I have. To space it a foot or so away from the tower I will have to lower the tower. Not sure what I’m going to space it with. I want to make the bottom of the loop at least 7 feet off the ground for good antenna safety.
>
>Can I feed it with ladder line instead of coax and put the ladder line into the 4:1 current balun close to the house.
>
>73, WY6L
>
>
>From: mailto:ham-antennas@yahoogroups.com

>Sent: Friday, July 25, 2014 10:47 AM
>To: ham-antennas@yahoogroups.com
>Subject: Re: [ham-antennas] Delta Loop
>
>
>Hi Dean, Yes you can "JUST" get a 40 meter delta on the 45 foot mast. Each side would be about 47 feet long and you need 41 foot top of apex to the middle of the bottom. Actually this is a bit too low for the bottom.
>I would suggest making each sloping side about 40 feet long and the bottom 60 foot . This will be more a right angle delta. You can feed it at the apex or middle bottom with good results for horizontal. Feed it 1/4 wave down from the apex on one side or at a lower corner for more vertical polarity.
>If you space the apex away from the mast 2 to 3 feet and the bottom away also it should work well with less coupling to the mast. Several articles of slightly sloping vertical deltas have been in the ham mags with good results.
>It will probably have a feed impedance of 90 to 130 ohms, lots of placement variables, so a 1/4 wave of 75 ohm then 50 ohm to the transmatch will work. Or balanced feed line to the transmatch.
>
>Let us know how it works.
>
>Don HC4/W4BWS
>
>
>
>On Fri, Jul 25, 2014 at 12:07 PM, 'dean' deanf@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
>
>>I’m thinking of putting up a Delta Loop but not sure what kind of a pole to use. I have a tri band up about 45 feet but not sure if I can have the delta under it, with it being a metal pole. I’m wanting to put up a full wave 40 meter.
>>
>>73, WY6L
>>
>
>
>
--
>Dr. Don W4BWS

33376. RE: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 23:08:29 UTC
From: KB3YRC
Topic: 33359 Message: 33376

Thank you for all your help I found two bad soldier joints at the antenna jack.

One was on the back side of the board.

I happy now

Richard

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 12:27 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] 735

That will give me a good start

Richard

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, July 25, 2014 12:04 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 735

Rich: I am on my 4th IC-735 in my 36+ years as a ham. FINE rig...for it's age and technology. I will assume you know about the VCO plastic trimmer problem that the 735 is "famous" for. (If not, E-mail me and I will fill you in.)

This list's the 735 Antenna Jack Problem.

http://www.dublerfamily.com/Regina_oceani/Manuals/Electronics/Ham%20Radios/ICOM%20IC-M735/IC-735%20most%20common%20service%20questions.pdf

Here is the 735 Service Manual.. It will take 3 to 5 minutes to download-it's a big file so be patient. (It'a 149 pages!)

http://www.fujiyachts.net/manuals/Icom%20IC-735%20Service%20Manual.pdf

(Pictorial on page 7-6 (Actual page 56), shows the connection in upper left.)

FYI-IF the link's don't automatically load when you "click" on them...cut and paste them to your browser. I had had an issue with some people I send stuff to. (But ONLY if they are using Internet Explorer as their browser.) Haven't been able to work that "bug" out-yet!

Hope this helps. Good Luck!

73,

Dave-KJ4PF

-----Original Message-----
From: 'KB3YRC' kb3yrc@... [ham-antennas]
<ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Fri, Jul 25, 2014 10:38 am
Subject: [ham-antennas] 735

Who here can talk about the insides of an ICOM 735 radio? Who has had one apart?

I think I have a loss or bad solder joint at the antenna connector.

And I well

Call me or e-mail me

KB3YRC

Richard

33377. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 23:28:00 UTC
From: David Caswekk
Topic: 33069 Message: 33377

What does it say about your business when you allow foul-mouthed customers to ruin everyone's shopping experience?

Your dad is right if foul-mouthed people are a leader and everyone will follow them to Kroger.

That doesn't match my life experience.

If you're right we'll see a news article someday that Kroger went out of business. They let all the obscene customers migrate to IGA.

On Wednesday, July 23, 2014 7:20 PM, "David V Colton DVC3565@aol.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Excellent POINT on how a good sales person thinks! THAT person will either own THAT shop one day...or has started his own. I grew up in retail sales. (My parent's owned a IGA supermarket.) My Dad always taught his employee's to "make the customer happy." He said a happy customer is worth gold in FREE good publicity. One unhappy customer can do more damage than you can afford to pay for. Sadly ALL business in the USA today really doesn't care about customer service OR how the customer's feel about THEM.
I enjoyed your comment's.
73,
Dave-KJ4PF

-----Original Message-----
From: kv4kp@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Wed, Jul 23, 2014 5:25 pm
Subject: RE: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

The people in a small business are like a family to each other. They're all going to stick up for each other. Joe, let's say I want to use foul language to your family, how much do you generally charge for that right?

The best thing for the morale of a business is to fire the disgruntled and rude customers. There's 15,600 google links for "fire customers"; it's very well-known.

Turn your argument 100%. If you were nice to people you could have probably gotten a discount on your furniture.

I've gone to a store where someone was being rude to the employees. When I walked in with my flat tire the employee said: Do you have our extended warranty? I said no. He said: You'd have bought it if it was offered to you wouldn't you?

He sold me an extended warranty for 10 dollars, and then gave me a brand new tire.

33378. Re: [ham-antennas] NEW Challenge Rest home [MODERATOR's TAKE]

Yahoo group: ham-antennas (2014)
Date: 2014-07-25 23:44:41 UTC
From: jerrybosak@...
Topic: 33069 Message: 33378

We are talking about a rest home operator or a group of investors that owns this rest home that has said that they do not permit any antenna's on their premises. No where in the constitution of the United States does it say that if you get sick or if you get old and you have to move to a rest home that the rest home operator has to do anything to accommodate you or your former hobbies.
Amateur Radio for most people is nothing but a hobby.
For 80% of the operators, they never did anything their entire amateur radio career except use it like a telephone to check into nets and talk like they were on a telephone.
Had this person been an active ham and belonged to a club that had a working amateur radio station, this subject would be moot.
Even the ARRL admits that out of 700,000 licenses that there is less then 5,000 ARRL clubs and only about 26,000 ARRL members in those clubs.
That is less than 10 members per a club...
I read somewhere that the ARRL only has about 150,000 members, that is less then one in 4 amateurs licensed today in the USA, and since the ARRL has members all over the world, I would say it is probably less then one in six.
Buy the guy a handheld radio and give the guy a roll up J Pole antenna and call this topic closed already!

33379. Re: [ham-antennas] 735

Yahoo group: ham-antennas (2014)
Date: 2014-07-26 00:03:22 UTC
From: David Gillooly
Topic: 33359 Message: 33379

I had a 735 up until two years ago.

Only problem I had with the antenna connector to from the rear connector to the main board. I all of a sudden lost all receive and transmit capability.

You can check to see if the connection to the SO-239 is the culprit by seeing if you connect an antenna (or just a piece of wire) to the rear panel receive jack. If you hear static or signals you know the connection to the SO-239 is bad.

You may be able to fix it without taking it all apart by bridging the broken connection with wire and solder. That is what I did. It lasted another 29 years.

Dave,

AA6RE

David Gillooly

On Fri, Jul 25, 2014 at 7:39 AM, 'KB3YRC' kb3yrc@comcast.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Who here can talk about the insides of an ICOM 735 radio? Who has had one
> apart?
>
>
>
> I think I have a loss or bad solder joint at the antenna connector.
>
>
>
> And I well
>
>
>
> Call me or e-mail me
>
>
>
> KB3YRC
>
> Richard
>
>

>

33380. test-disregard

Yahoo group: ham-antennas (2014)
Date: 2014-07-26 02:41:19 UTC
From: dalecole3502@...
Topic: 33380 Message: 33380

test

Dale K8TS

33381. another test--please disregard

Yahoo group: ham-antennas (2014)
Date: 2014-07-26 04:15:36 UTC
From: dalecole3502@...
Topic: 33381 Message: 33381

test

Dale K8TS

33382. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 14:12:42 UTC
From: kb8ubs@...
Topic: 33069 Message: 33382

I once made a small 1watt transmitter and used a 100 watt light bulb for a dummy load to test it. Tuned my shortwave receiver to the signal, and was surprised to make a contact! I told another ham about it, and he tried it, and it worked for him too.

33383. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 14:16:28 UTC
From: jeffreyclay@...
Topic: 33069 Message: 33383

Let's keep the conversation on HAM-ANTENNAS and not on issues not related to the list topic.

73,

Gary H. Harmon, Jr. - K5JWK
List Moderator 2

I almost forgot, could you repeat the question?

33384. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 16:50:51 UTC
From: rudy62k@...
Topic: 33069 Message: 33384

Mel,

Take a look at my QRZ page (KK4GGL). The wire could just run along the top of the fence as opposed to under the porch roof.

If the fence is long enough, you could just put up a dipole, with the wire attached to the top of the fence. You might have to use an automatic or manual tuner at the shack, and 1:1 balun along the way to get rid of the common mode.

You might be able to run a wire up one of the trees, especially if you can put some radials under the grass.

33385. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 19:25:45 UTC
From: Mel Farrer
Topic: 33069 Message: 33385

Thanks Rudy will give it a look.

Mel

On Monday, July 28, 2014 9:50 AM, "rudy62k@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mel,

Take a look at my QRZ page (KK4GGL). The wire could just run along the top of the fence as opposed to under the porch roof.

If the fence is long enough, you could just put up a dipole, with the wire attached to the top of the fence. You might have to use an automatic or manual tuner at the shack, and 1:1 balun along the way to get rid of the common mode.

You might be able to run a wire up one of the trees, especially if you can put some radials under the grass.

33386. Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 21:35:40 UTC
From: farrerfolks@...
Topic: 33069 Message: 33386

Well things are warming up, no pun intended. Land load seems to be liking the idea of out of sight and out of mind. The fence antenna is going ahead, but on the back side of the lot, "out of sight" Will bury the coax in a piece of hose to the house. Sounds like a plan. Thanks one and all for the help in sorting this out.

Mel, K6KBE

33387. RE: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-28 22:10:32 UTC
From: James M. Geidl
Topic: 33069 Message: 33387

Mel,

Thanks for your persistence in trying to help this guy out!

James "Jim" M. Geidl, K6JMG
D.B. Cooper, you have a message.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, July 28, 2014 2:36 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: NEW Challenge Rest home restricted use HF antenna

Well things are warming up, no pun intended. Land load seems to be liking the idea of out of sight and out of mind. The fence antenna is going ahead, but on the back side of the lot, "out of sight" Will bury the coax in a piece of hose to the house. Sounds like a plan. Thanks one and all for the help in sorting this out.

Mel, K6KBE

33388. Re: NEW Challenge Rest home restricted use HF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-07-29 09:30:04 UTC
From: Jeffrey Lord
Topic: 33069 Message: 33388

A good result in this
Very happy that the gentleman can continue his hobby
Jeff
Vk4fnrs

Sent from my iPhone

33389. QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 02:26:58 UTC
From: emrops@...
Topic: 33389 Message: 33389

I am looking for advice on using this antenna for MARS work.

and if my choice for an Line isolator or RF choke will serve my purpose.

Interested in my G5RV BKW line isolator will work.

"QSO-KING" 160-6 meters 1.5 KW end fed / ham antenna http://www.ebay.com/itm/141244173399?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT

http://www.ebay.com/itm/141244173399?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT

"QSO-KING" 160-6 meters 1.5 KW end fed / ham a... http://www.ebay.com/itm/141244173399?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT US $81.99 New in Consumer Electronics, Radio Communication, Antennas

View on www.ebay.com http://www.ebay.com/itm/141244173399?_trksid=p2055119.m1438.l2649&ssPageName=STRK%3AMEBIDX%3AIT
Preview by Yahoo

RF CHOKE BALUN 160-6 meters http://www.ebay.com/itm/RF-CHOKE-BALUN-160-6-meters-/170660393454?pt=US_Radio_Comm_Antennas&hash=item27bc26f1ee

http://www.ebay.com/itm/RF-CHOKE-BALUN-160-6-meters-/170660393454?pt=US_Radio_Comm_Antennas&hash=item27bc26f1ee

RF CHOKE BALUN 160-6 meters http://www.ebay.com/itm/RF-CHOKE-BALUN-160-6-meters-/170660393454?pt=US_Radio_Comm_Antennas&hash=item27bc26f1ee US $34.99 New in Consumer Electronics, Radio Communication, Antennas

View on www.ebay.com http://www.ebay.com/itm/RF-CHOKE-BALUN-160-6-meters-/170660393454?pt=US_Radio_Comm_Antennas&hash=item27bc26f1ee
Preview by Yahoo

Line Isolator / Rated @1500 watts / stops RFI / small http://www.ebay.com/itm/141209547404

http://www.ebay.com/itm/141209547404

Line Isolator / Rated @1500 watts / stops RFI / small http://www.ebay.com/itm/141209547404 ---Coaxial Line Isolator--- Use the Line Isolator for G5RV's, Verticals, End Fed Antennas, OCF/Windoms, Dipoles, Beams, or basically any coaxial fed an...

View on www.ebay.com http://www.ebay.com/itm/141209547404
Preview by Yahoo

33390. Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 02:30:05 UTC
From: emrops@...
Topic: 33389 Message: 33390

Oooops. FR: KD2CRS.

33391. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 02:46:33 UTC
From: Robert Cavanaugh
Topic: 33389 Message: 33391

There is a ham in our club that has this antenna w/ the line isolator. He likes it. All the data I have on it.

73,
Bob Cavanaugh - AG6YK

On Tuesday, July 29, 2014 7:30 PM, "emrops@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Oooops. FR: KD2CRS.

33392. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 02:52:15 UTC
From: emrops@...
Topic: 33389 Message: 33392

After experimenting with a few others, the End Fed is the only option for MARS work. Wanted to be %100 certain before I ordered it.

Thank you.

73 ROGER KD2CRS
MARS Tango

33393. RE: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 03:09:36 UTC
From: Dino Darling
Topic: 33389 Message: 33393

Ever try a log periodic? The End Fed is NOT the ONLY option.

Dino - KX6D

-------- Original Message --------
Subject: Re: [ham-antennas] Re: QSO King 160-6 endfed
From: "emrops@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, July 29, 2014 7:52 pm
To: <ham-antennas@yahoogroups.com>

?

After experimenting with a few others, the End Fed is the only option for MARS work.?
Wanted to be %100 certain before I ordered it.

Thank you.

73 ROGER KD2CRS
MARS Tango

33394. RE: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 03:25:23 UTC
From: emrops@...
Topic: 33389 Message: 33394

The end fed is my only option because of the layout of my home, trees and property. Not to mention It needs to be inexpensive and very stealthy.

Definitely seeking advice on whether this antenna is a good choice for MARS or a bad choice for MARS.

Right now I need to know it is a GO or NO-GO and why.

R~KD2CRS

33395. RE: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 04:15:19 UTC
From: Dino Darling
Topic: 33389 Message: 33395

55' of wire fed with ladderline and a tuner will blow away an endfed antenna. Will this end fed work? YES! EVERYTHING WORKS! Some things work better.

Dino - KX6D

-------- Original Message --------
Subject: RE: [ham-antennas] Re: QSO King 160-6 endfed
From: "emrops@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Date: Tue, July 29, 2014 8:25 pm
To: <ham-antennas@yahoogroups.com>

?

The end fed is my only option because of the layout of my home, trees and property. Not to mention It needs to be inexpensive and very stealthy.

Definitely seeking advice on whether this antenna is a good choice for MARS or a bad choice for MARS.

Right now I need to know it is a GO or NO-GO and why.

R~KD2CRS

33396. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 04:44:31 UTC
From: Kenneth G. Gordon
Topic: 33389 Message: 33396

On 29 Jul 2014 at 20:25, emrops@... [ham-antennas] wrote:

> The end fed is my only option because of the layout of my home, trees and
> property.

Well....maybe not.

> Not to mention It needs to be inexpensive and very stealthy.

Make it out of #36 black enameled wire and no one will see it from 5 feet
away, even when they know it is there.

> Definitely seeking advice on whether this antenna is a good choice for MARS or a
> bad choice for MARS.
>
> Right now I need to know it is a GO or NO-GO and why.

Bad choice: no-go.

End fed wires "work", yes, but usually on only one frequency or a very
narrow slice of frequencies, depending on their length.

Furthermore, since you must bring an "active' end of the antenna into the
shack, there is almost always lots of RF floating around in the shack and
other places in the home where you would least want to see it.

Impedances vary from very high to very low, again depending on the
frequency and the length of the wire. Like from 2 ohms to 10K ohms.

They are strictly an emergency antenna, to be used when absolutely nothing
else can be used. And then you have to "mess with them" to get them to
work even reasonably well.

IMHO, they aren't worth the effort for what you want to try to do.

Ken W7EKB

33397. Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 14:54:52 UTC
From: fconte@...
Topic: 33389 Message: 33397

I have this antenna with the line isolator running N-S and it's my favorite wire antenna. And I just received the 80-6 antenna to run E-W with a home brew RF choke.

I can't speak for the MARS since I never tried.

HTH

Fred
KK4PSX

33398. RE: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-30 19:52:33 UTC
From: emrops@...
Topic: 33389 Message: 33398

No, never considered a Log periodic. HOA is big brother. Endfed in my only option.

33399. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 08:00:20 UTC
From: Robert Cavanaugh
Topic: 33389 Message: 33399

Hi, have you considered an attic antenna? What bands/modes are you planning to use?

73
Bob Cavanaugh

Sent from my iPad

On Jul 30, 2014, at 12:52 PM, "emrops@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

> No, never considered a Log periodic. HOA is big brother. Endfed in my only option.
>
>

33400. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 10:29:33 UTC
From: emrops@...
Topic: 33389 Message: 33400

I need 80m for NTS and NTSD and 160 for MARS work but still will use 17m, 20m, and 40m.

Not certain why this antenna will not work at 98' length and a Vera Tuner 949E.

What other options would help in addition to this antenna?

33401. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 11:03:42 UTC
From: Artek Manuals
Topic: 33389 Message: 33401

Sorry I have not been following this thread very close....When you say
"will not work" ..

What does that mean? You can't get the SWR low enough with the tuner or
you just flat out are not being heard?

Dave
NR1DX

On 7/31/2014 5:29 AM, emrops@... [ham-antennas] wrote:
>
> I need 80m for NTS and NTSD and 160 for MARS work but still will use
> 17m, 20m, and 40m.
>
>
> Not certain why this antenna will not work at 98' length and a Vera
> Tuner 949E.
>
> What other options would help in addition to this antenna?
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33402. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 11:17:37 UTC
From: emrops@...
Topic: 33389 Message: 33402

Will Not Work? not exactly.

I seek wisdom on problems I might encounter and a variety of solutions if they happen.

ROGER~

33403. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 11:55:48 UTC
From: Artek Manuals
Topic: 33389 Message: 33403

Too vague a problem statement, Too many unstated variables

Installation specifics? (Height . configuration(level, slopping, bent).
terrain)

Operating Specifics: Power? Just a participant on a MARS net where folks
will dig you out of the mud or net control where EVERYONE needs to hear you

In general this is a compromise antenna (as are most any "all band"
antenna). Running 100W and this antenna (or most any antenna) you will
not be the loudest station on the band on 160M or 80M and you will do OK
on 17 and 20 if your patient when it comes to working DX. Without good
RF ground (not AC ground there is a big difference) RF in the shack
may(or may not) be a problem. . The ability of the tuner to tune the
thing will be a function of the installation (impossible to predict).
If you find it wont tune on a certain band the addition of 10' to 30' of
feed line will likely solve the problem.

Dave
NR1DX

On 7/31/2014 6:17 AM, emrops@... [ham-antennas] wrote:
>
> Will Not Work? not exactly.
>
>
> I seek wisdom on problems I might encounter and a variety of
> solutions if they happen.
>
> ROGER~
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33404. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 12:15:31 UTC
From: emrops@...
Topic: 33389 Message: 33404

```
QSO-King 98' 100 feet RG8X
Line Isolator
Versa Tuner 949E
Flat top configuration
ICOM-735
Jetstream JTP28
Polyphasor IS-B50HN-CO
```

33405. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 12:47:28 UTC
From: emrops@...
Topic: 33389 Message: 33405

Modes I will likely use with this antenna

VOICE Robust HF Packet
FLdigi
NBEMS
PACTOR3
WinlinkRMSE
Winlink RMS RELAY
Winlink HF gateway
Winmor

33406. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 12:56:51 UTC
From: Artek Manuals
Topic: 33389 Message: 33406

OK I give up

In general this antenna will not work (make you heard) any better or any worse than any other 98' piece of wire strung at the same height fed with ladder line and a tuner. . Despite all the hype antennas unlike radios don't play the same from one installation to another installation specifics, the laws of physics and Maxwell's equations win in the end.

The ability of your antenna tuner to match to it will be a function of the coax length and will vary by height of installation and ground conductivity and is generally impossible to predict although a good modeling program might give you insight. At an installation height of 20' you might get a good match and at 50ft it wont tune on a certain band or vice versa.

Dave
NR1DX

PS: do you name and call sign?

On 7/31/2014 7:15 AM, emrops@... [ham-antennas] wrote:
>
> QSO-King 98'
>
> 100 feet RG8X
> Line Isolator
> Versa Tuner 949E
> Flat top configuration
> ICOM-735
> Jetstream JTP28
> Polyphasor IS-B50HN-CO
>
>
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33407. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 12:58:37 UTC
From: Artek Manuals
Topic: 33389 Message: 33407

Operating modes have little to no bearing on antenna performance
especially at HF

Dave
NR1DX

On 7/31/2014 7:47 AM, emrops@... [ham-antennas] wrote:
> Modes I will likely use with this antenna
>
> VOICE
> Robust HF Packet
> FLdigi
> NBEMS
> PACTOR3
> WinlinkRMSE
> Winlink RMS RELAY
> Winlink HF gateway
> Winmor
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

33408. Re: [ham-antennas] Re: QSO King 160-6 endfed

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 12:59:16 UTC
From: jimbo
Topic: 33389 Message: 33408

i had one and it did not work for me i think they are junk
On 7/31/2014 5:56 AM, Artek Manuals nr1dx@... [ham-antennas] wrote:
>
> OK I give up
>
> In general this antenna will not work (make you heard) any better or
> any worse than any other 98' piece of wire strung at the same height
> fed with ladder line and a tuner. . Despite all the hype antennas
> unlike radios don't play the same from one installation to another
> installation specifics, the laws of physics and Maxwell's equations
> win in the end.
>
> The ability of your antenna tuner to match to it will be a function of
> the coax length and will vary by height of installation and ground
> conductivity and is generally impossible to predict although a good
> modeling program might give you insight. At an installation height of
> 20' you might get a good match and at 50ft it wont tune on a certain
> band or vice versa.
>
> Dave
> NR1DX
>
> PS: do you name and call sign?
>
>
> On 7/31/2014 7:15 AM, emrops@... [ham-antennas] wrote:
>>
>> QSO-King 98'
>>
>> 100 feet RG8X
>> Line Isolator
>> Versa Tuner 949E
>> Flat top configuration
>> ICOM-735
>> Jetstream JTP28
>> Polyphasor IS-B50HN-CO
>>
>>
>>
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com

>
>
> ----------
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

33409. End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 13:36:28 UTC
From: soona4sail@...
Topic: 33409 Message: 33409

Don,t be fooled by fancy names or model numbers. for simple manufactured wire antennas. Keep your money in your pocket, and build your own. There is no such thing as a "Magic" antenna. Many manufacturers would like you to believe that their antenna is the answer to your prayers, but the only thing you will get is a lighter pocket!

Here,s a good place to start from the ARRL. There are many other websites out there with lots of information about end fed, random wires etc.

https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf
https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf

Good luck

33410. Test

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 13:59:28 UTC
From: WVØH
Topic: 4640 Message: 33410

Test.

Myron WVØH
Printed on Recycled Data

33411. Re: [ham-antennas] End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 14:02:39 UTC
From: Keith Heimbold
Topic: 33409 Message: 33411

Definitely agree. Homebrewing most wire antennas is pretty easy and generally not too time consuming The ARRL antenna manual has many designs you can try. I have homebrewed many different types from slopers for low bands, resonant dipoles, inverted Ls with homemade coax traps for low bands, K9ay receiving loops, even v beams. Each worked to the degree that design physics, obstructions, space, and terrain, location, and height allowed. I see one of the only reasons to buy commercial antennas wire or any other type of antenna is that you don't have the time to build them, career, family, business obligations, etc.

Good luck!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Jul 31, 2014, at 6:36 AM, "soona4sail@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Don,t be fooled by fancy names or model numbers. for simple manufactured wire antennas. Keep your money in your pocket, and build your own. There is no such thing as a "Magic" antenna. Many manufacturers would like you to believe that their antenna is the answer to your prayers, but the only thing you will get is a lighter pocket!
>
>
> Here,s a good place to start from the ARRL. There are many other websites out there with lots of information about end fed, random wires etc.
>
> https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf
>
> Good luck
>
>
>
>
>
>

33412. RE: [ham-antennas] End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 16:12:23 UTC
From: John Murphy
Topic: 33409 Message: 33412

Keith,

I agree. When I lived in another QTH (North Dakota, and a town that was only about 2000, so no Home Depot, no Lowes, nor any other so called ‘Big Box’ store), and the closest Wallyworld was 80-150 miles away, and buying most often was NOT an option.

The closest ‘candy store’ was either in Minnesota or Colorado, and sometimes shipping would equal the purchase price of whatever I had ordered. I did some shopping on line for stuff I could not build like radios, scanners etc, and via phone calls, but when it came to antennas, I usually built my own. I had a 80 meter dipole that I had at about 30-40 ft., and a 20 meter dipole that I had a about 20-25 ft. Both were made out of scrap wire that I found at thrift stores. I also had a homebrew ground mounted vertical that I had seen someone somewhere wrote up in an article.

When it came to connectors I simply went to the local hardware store and started browsing and looked at everything with a different eye (could this be used for that, or could that be used for something else), that sort of thing.

Antennas are so dependent on the installation location that many times when I see questions such as this one posed by <mailto:emrops@...> emrops@... (sorry haven’t seen a name yet or call yet), I get frustrated because he (or she) has not told us the installation method, like from the house to a nearest tree, in a V configuration, on sloping ground, etc. All that matters when you place an antenna.

To emrops@..., I too am in MARS, and now live in a restricted community, but by using my attachment to MARS, and the fact that ham radio is used by DHS, FEMA, as well as local and state agencies, I did get permission to put up a ground mounted vertical (yes the same one I mentioned above). While the same antenna, it does not function the same as it did up in ND, because of the different soil conditions, where it was mounted then vs now, etc. Location and installation does make a difference, I am living proof of that.

I now participate in my MARS activities as I can, when the propagation is right, and so forth. I do digital as well as voice. So the old adage of do what you can, with what you have still is as applicable today as it was when ham radio was young. Better to build it rather buy it…so much cheaper and you get a feeling of well done when you build and it works.

Just my 0.02 in this discussion.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@mail.com> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, July 31, 2014 8:03 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] End Fed Long wire Antennas

Definitely agree. Homebrewing most wire antennas is pretty easy and generally not too time consuming The ARRL antenna manual has many designs you can try. I have homebrewed many different types from slopers for low bands, resonant dipoles, inverted Ls with homemade coax traps for low bands, K9ay receiving loops, even v beams. Each worked to the degree that design physics, obstructions, space, and terrain, location, and height allowed. I see one of the only reasons to buy commercial antennas wire or any other type of antenna is that you don't have the time to build them, career, family, business obligations, etc.

Good luck!

Keith

AK6ZZ

Sent from my iPhone please excuse typos

On Jul 31, 2014, at 6:36 AM, "soona4sail@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Don,t be fooled by fancy names or model numbers. for simple manufactured wire antennas. Keep your money in your pocket, and build your own. There is no such thing as a "Magic" antenna. Many manufacturers would like you to believe that their antenna is the answer to your prayers, but the only thing you will get is a lighter pocket!

Here,s a good place to start from the ARRL. There are many other websites out there with lots of information about end fed, random wires etc.

https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf

Good luck

33413. Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 16:43:58 UTC
From: david.gillooly@...
Topic: 33409 Message: 33413

Yes the prices people ask for dipoles and end fed antennas can be pretty high.

There isn't much that can go wrong with a wire antenna as long as you can handle a tape measure, know the length equation that was uses in your license test and can solder.

The basics of any wire antenna is get it as high as possible. For a wire vertical use as many radials as possible even if they are not straight or a 1/4 wavelength.

A reasonably resonant dipole wire antenna can almost always be tuned with the tuner that comes with most transceivers these days. A simple MFJ or LDG tuner is a good option too.

The same goes for EFHW antennas where a balun will probably be needed. For 100 watts and below they can be made cheaply.

33414. Re: [ham-antennas] Test

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 17:46:24 UTC
From: Andy
Topic: 4640 Message: 33414

```
>
> Test.
>

Sorry, it didn't work.

;-)
```

33415. Problem

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 19:14:59 UTC
From: Richard Schmuke
Topic: 33415 Message: 33415

Mr Murphy has struck . Working on a 30M vertical. Coax has just been checked with a Tektronix 50ohm termination and checks OK.

Antenna has a 8ft raised feed point so only 3 to 4 above ground, sloping radials are needed. I have 8 , four 12ga copper and four 18ga silver. The radials are cut to 23ft 1 inch and aluminum tube vertical element is also set at 23ft. The system checks at 1.5:1 swr at 8.8 MHz with a MFJ-259B. 23ft and 8.8 Mhz?

Any ideas ???

Rich , Kd0zz

Looking at charts too long and you will get analysis paralysis

33416. Re: [ham-antennas] Problem

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 19:33:24 UTC
From: Mel Farrer
Topic: 33415 Message: 33416

HI Rich,

Not sure why you are seeing 8.8 unless the length of coax is doing something funny. I would check the antenna at the feedpoint. I modeled it with your dimensions and came up with a little over 10.25 MHz 37ohms j0. When you drop the ends of the radials closer to ground the impedance does go up from 37 ohms with them level. But not much I got 1.2:1 at 10.125 with 23.6 ft radials ends at 2 ft. and 24.25 feet for the vertical element. Ground and surrounding junk has an effect also. Some thoughts.

Mel, K6KBE

On Thursday, July 31, 2014 12:15 PM, "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mr Murphy has struck . Working on a 30M vertical. Coax has just been checked with a Tektronix 50ohm termination and checks OK.
Antenna has a 8ft raised feed point so only 3 to 4 above ground, sloping radials are needed. I have 8 , four 12ga copper and four 18ga silver. The radials are cut to 23ft 1 inch and aluminum tube vertical element is also set at 23ft. The system checks at 1.5:1 swr at 8.8 MHz with a MFJ-259B. 23ft and 8.8 Mhz?
Any ideas ???

Rich , Kd0zz
Looking at charts too long and you will get analysis paralysis

33417. Re: [ham-antennas] Problem

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 19:54:34 UTC
From: Joe
Topic: 33415 Message: 33417
Attachments: 1 described; binary payloads are missing from this source WARC

Possibly?

It looks like the coax is becoming a part of the antenna too.
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 7/31/2014 2:14 PM, 'Richard Schmuke' rdj@... [ham-antennas]
wrote:
>
>
> Mr Murphy has struck . Working on a 30M vertical. Coax has just been
> checked with a Tektronix 50ohm termination and checks OK.
>
> Antenna has a 8ft raised feed point so only 3 to 4 above ground,
> sloping radials are needed. I have 8 , four 12ga copper and four 18ga
> silver. The radials are cut to 23ft 1 inch and aluminum tube vertical
> element is also set at 23ft. The system checks at 1.5:1 swr at 8.8 MHz
> with a MFJ-259B. 23ft and 8.8 Mhz?
>
> Any ideas ???
>
> Rich , Kd0zz
>
> Looking at charts too long and you will get analysis paralysis
>
>
>
>

33418. Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 20:05:37 UTC
From: soona4sail@...
Topic: 33409 Message: 33418

After my original post, about building your own end fed or wire antenna, I came across another interesting site, about building your own simple long wire antenna.

It,s a good read, and has simple plain instructions on getting you up and running. I,ve been doing radio for 40 years, and I think I will give it a try myself. Looks like fun, and should be no more than a two brewsky job, and change out of a $20 bill.

At the very least, it would be a great field day antenna, and I,m sure you could add extra feet of wire as space allows.

Most important part will be the little balun. Take your time, and follow the directions

http://www.hamuniverse.com/HEARCEndFed.pdf http://www.hamuniverse.com/HEARCEndFed.pdf

73

33419. Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 22:41:20 UTC
From: farrerfolks@...
Topic: 33409 Message: 33419

My only bad experience was in GA, and the only wire available on my budget was aluminum. WELL, during a really bad winter icy storm in the morning, the signals were really poor. I could not load the transmitter so went out to look at the antenna, what antenna??? From the roof insulator the wire went straight down to the ground and stayed there all the way to the end at the tree. 1 inch or more of radial ice. Never make a antenna out of soft aluminum wire. Lesson learned.

Mel, K6KBE

33420. Re: [ham-antennas] Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-07-31 22:55:38 UTC
From: Walt Wilson
Topic: 33409 Message: 33420

I have quietly followed this thread with some surprise. I have an offset fed Dipole, for 10-80 meters, an end fed Dipole 6-80 meters, and am working on a 43 foot vertical (diploe inside fiberglass pole). So far I have not seen a great deal of difference between the offset Center fed and the end fed dipoles. Most of you have more time and experience in amateur radio than I have, only having been licensed for 3 years now. But with my General class priviledges I have worked my share of long distance stations on both types of antennas and my ICOM 746 PRO.Your comments are a surprise to me with the results I have had here in North Carolina. I guess I will continue to defy physics and enjoy my end fed dipole and not worry about why
Walt w4WLW

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, July 31, 2014 6:41 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: End Fed Long wire Antennas

My only bad experience was in GA, and the only wire available on my budget was aluminum. WELL, during a really bad winter icy storm in the morning, the signals were really poor. I could not load the transmitter so went out to look at the antenna, what antenna??? From the roof insulator the wire went straight down to the ground and stayed there all the way to the end at the tree. 1 inch or more of radial ice. Never make a antenna out of soft aluminum wire. Lesson learned.

Mel, K6KBE

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/7954 - Release Date: 07/31/14

33421. MYCALL: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 00:30:23 UTC
From: emrops@...
Topic: 33409 Message: 33421

For those following this thread:

"ROGER" here, KD2CRS

I have my G5RV ZS6BKW up and will fire up the 735 tomorrow night.

The Endfed to be used as an experimental or EMCOMM antenna.
and a quick back up if the primary goes down.

R~

---In ham-antennas@yahoogroups.com, <jmurphy7411@...> wrote :

Keith,

I agree. When I lived in another QTH (North Dakota, and a town that was only about 2000, so no Home Depot, no Lowes, nor any other so called 'Big Box' store), and the closest Wallyworld was 80-150 miles away, and buying most often was NOT an option.

The closest 'candy store' was either in Minnesota or Colorado, and sometimes shipping would equal the purchase price of whatever I had ordered. I did some shopping on line for stuff I could not build like radios, scanners etc, and via phone calls, but when it came to antennas, I usually built my own. I had a 80 meter dipole that I had at about 30-40 ft., and a 20 meter dipole that I had a about 20-25 ft. Both were made out of scrap wire that I found at thrift stores. I also had a homebrew ground mounted vertical that I had seen someone somewhere wrote up in an article.

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To emrops@... mailto:emrops@..., I too am in MARS, and now live in a restricted community, but by using my attachment to MARS, and the fact that ham radio is used by DHS, FEMA, as well as local and state agencies, I did get permission to put up a ground mounted vertical (yes the same one I mentioned above). While the same antenna, it does not function the same as it did up in ND, because of the different soil conditions, where it was mounted then vs now, etc. Location and installation does make a difference, I am living proof of that.

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works.

Just my 0.02 in this discussion.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing
GMRS Licensee WQOW801
PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"
PIO Adams County (CO) ARES
ARES/RACES/AFMARS Nothwest Area, Region 8
USAF Security Police, 1973-84
Owner, Oil Country Radio’s
701-421-1134
Business Email: ocr58763@... mailto:ocr58763@...
Personal Email: jmurphy7411@... mailto:jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, July 31, 2014 8:03 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] End Fed Long wire Antennas

Definitely agree. Homebrewing most wire antennas is pretty easy and generally not too time consuming The ARRL antenna manual has many designs you can try. I have homebrewed many different types from slopers for low bands, resonant dipoles, inverted Ls with homemade coax traps for low bands, K9ay receiving loops, even v beams. Each worked to the degree that design physics, obstructions, space, and terrain, location, and height allowed. I see one of the only reasons to buy commercial antennas wire or any other type of antenna is that you don't have the time to build them, career, family, business obligations, etc.

Good luck!

Keith

AK6ZZ

Sent from my iPhone please excuse typos

On Jul 31, 2014, at 6:36 AM, "soona4sail@... mailto:soona4sail@... [ham-antennas]" <ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com> wrote:

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https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf

Good luck

33422. Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 03:44:20 UTC
From: email4utoo@...
Topic: 33422 Message: 33422

Planning to put up a Vertical for 40m and 10m , or try to load one 40-10, yes would like to run it on all HF bands, have Trees to shoot up a wire or will put up either Telco or Conduit /EMT poles for a mast , how high not sure yet, no restrictions except budget and not too ugly for XYL, ,
What do you guys use ,like ,recomend , I do not want to put up a full metal tower , want to go as low profile as possible ,just a personal preference and not to draw attention .
At this time i use a Off Center Fed running East /West, for 80-10, only run 5 watts, but will have an amp built by this winter . This Vertical is for Checking into Nets and DX for fun, not a serious contester , i am done with all Rat Race stuff , Ham Radio for me is just Fun . Will consider a portable vertical as well, but do not know if practical . Thanks, AJ W5heh

33423. Re: [ham-antennas] Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 03:48:23 UTC
From: Mike
Topic: 33422 Message: 33423

a helical loaded mag loop ....
On 07/31/2014 08:44 PM, email4utoo@... [ham-antennas] wrote:
>
> Planning to put up a Vertical for 40m and 10m , or try to load one
> 40-10, yes would like to run it on all HF bands, have Trees to shoot
> up a wire or will put up either Telco or Conduit /EMT poles for a mast
> , how high not sure yet, no restrictions except budget and not too
> ugly for XYL, ,
> What do you guys use ,like ,recomend , I do not want to put up a
> full metal tower , want to go as low profile as possible ,just a
> personal preference and not to draw attention .
> At this time i use a Off Center Fed running East /West, for 80-10,
> only run 5 watts, but will have an amp built by this winter . This
> Vertical is for Checking into Nets and DX for fun, not a serious
> contester , i am done with all Rat Race stuff , Ham Radio for me is
> just Fun . Will consider a portable vertical as well, but do not know
> if practical . Thanks, AJ W5heh
>
>
>

--
Mike KC7NOA

33424. Re: [ham-antennas] Do any of you use Verticals either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 04:05:15 UTC
From: Kenneth G. Gordon
Topic: 33422 Message: 33424

My only antenna is a 55 foot tall vertical with 4 radial/ground wires, each 66 feet long. It is made of nested aluminum tubing, and an aluminum rod at the top, and has been held up with cotton clothes-line rope for at least 15 years. I mount it on an insulator made out of bits of PVC plumbing pipe.

The antenna has a combination trap/loading coil at the 33 foot level. It was orginally designed to be an 80/40 meter antenna which would also work on 15 and 20.

It is fed at the bottom with a section of buried RG-8.

Using a home-brew antenna coupler, I use it on all bands, including the WARC bands. It tunes to 1:1 SWR.

To use it on 160 meters, I have to add a small coil, made of #12 wire on a 4" diameter ceramic form, as a bottom-loading-coil. I have to switch it in for 160, and out for all other bands.

On 160, I have worked Europe from North Idaho with 100 watts.

I have also made DXCC (still waiting for the certificate), mostly on 20, but also some on every other band.

I use it every day for my NTS duties, and feed it with 600 watts. I don't have an amp for 160.

I have also used it successfully with an SMK-1, 350 mW output, on 40 meters and have worked all up and down the west coast with that and into Texas.

Ken W7EKB

33425. Re: [ham-antennas] Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 08:35:33 UTC
From: Ron Youvan
Topic: 33422 Message: 33425

On 07/31/2014 11:44 PM, email4utoo@... wrote:

> Planning to put up a Vertical for 40m and 10m , or try to load one
> 40-10, yes would like to run it on all HF bands, have Trees to shoot up
> a wire or will put up either Telco or Conduit /EMT poles for a mast ,
> how high not sure yet, no restrictions except budget and not too ugly
> for XYL

I would seriously consider the 43' wire (otherwise supported
vertically) and a very good tuner. (possibly in a telescoping fiber
glass tube set {~40 feet})
(the tube set are not too bad if bought properly)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33426. Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 11:21:48 UTC
From: email4utoo@...
Topic: 33422 Message: 33426

Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details ,links ,pics, will be of help. Got questions for Ken, first- you mentioned - bits of pvc for mounting driven element or at ground level ? any pics you have would help a lot, do you use a tuner ? the 160 meter switched coil, where is that mounted inside your nice looking shack or ? (switch is what type ?), you have cool looking Heath kit Equipt. !! . Tnx for much detail you gave me .
Ron, on 43 wire, with radials and how long and number of them? any articles you recommend ? How Far or mounting method could i use with my Tall Trees ? Will consider Fiber mast you mentioned ,just concerned about 50 Mph winds we get infrequently . Would not that mast to fall on our Family Milk Cows ,hihi. Tnx Ron.

Mike, Helical Mag-Loop, how high up is appropriate ? I did buy some old air Variable Caps. to build one this winter for fun to see if i can use it during our lightening Storms here in the Ozarks . Mike Tnx.

Any others please chime in , appreciate this Group, Antennas are a major part of my Transmission , Thanks & 73s, AJ W5Heh

33427. Re: [ham-antennas] Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 13:22:50 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33422 Message: 33427

My MFJ (which is not what I would consider really well made) --- First overseas contact was at 5' elevation in the back yard at 5-8 watts on a KX3 to northern Italy on 15 meters....SSB no less.

Does that count?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 1, 2014 7:21 AM
Subject: [ham-antennas] Re: Does any of you use Verticles either wire or solid elements ?

Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details ,links ,pics, will be of help. Got questions for Ken, first- you mentioned - bits of pvc for mounting driven element or at ground level ? any pics you have would help a lot, do you use a tuner ? the 160 meter switched coil, where is that mounted inside your nice looking shack or ? (switch is what type ?), you have cool looking Heath kit Equipt. !! . Tnx for much detail you gave me .

Ron, on 43 wire, with radials and how long and number of them? any articles you recommend ? How Far or mounting method could i use with my Tall Trees ? Will consider Fiber mast you mentioned ,just concerned about 50 Mph winds we get infrequently . Would not that mast to fall on our Family Milk Cows ,hihi. Tnx Ron.

Mike, Helical Mag-Loop, how high up is appropriate ? I did buy some old air Variable Caps. to build one this winter for fun to see if i can use it during our lightening Storms here in the Ozarks . Mike Tnx.

Any others please chime in , appreciate this Group, Antennas are a major part of my Transmission , Thanks & 73s, AJ W5Heh

33428. Re: [ham-antennas] Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 13:51:06 UTC
From: email4utoo@...
Topic: 33422 Message: 33428

Well, this morning i pulled the trigger on the LDG 31' portable Vertical, is on sale at Cheapham for 75.oo, the 43 footer is 125. , but to heavy for portable, so i will run a Vertical wire up in one of our Trees, will utilize either a Petoway Coil or Radials or both if needed for both . Looking forward to setting it up and experimenting with the Shack Wire ,will find the Tallest Tree , hoping at least 40ft. Any suggestions /advice will be appreciated . 73s, AJ W5heh

ps yes will update how it goes !

33429. Re: [ham-antennas] Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 14:27:37 UTC
From: Ron Youvan
Topic: 33422 Message: 33429

On 08/01/2014 07:21 AM, email4utoo@... wrote:

> Ron, on 43 wire, with radials and how long and number of
> them? any articles you recommend ? How Far or mounting method could i
> use with my Tall Trees ? Will consider Fiber mast you mentioned ,just
> concerned about 50 Mph winds we get infrequently . Would not that mast
> to fall on our Family Milk Cows ,hihi. Tnx Ron.

I have only read favorable reports from others here and I put one up
fed with a Yaesu FC-40 + FT-857D and it worked good on 6 and 10 meters,
a steel fireplace was the counterpoise, (then I went on vacation) you
should use 120 radials 1/4 wl on the lowest frequency you wish to use.
(or the frame of a car or pickup truck)
The fiberglass extendable pole can be unextended as desired at any time,
but generally they are quite rugged and flexible.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33430. Re: [ham-antennas] Re: Does any of you use Verticals either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 15:39:04 UTC
From: Kenneth G. Gordon
Topic: 33422 Message: 33430

On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:

>Got questions for Ken, first- you mentioned - bits of
> pvc for mounting driven element or at ground level ?

Yes. When I first installed this vertical, I used an empty wine bottle as the base insulator. A couple of years ago, I went out back to look the vertical over a bit more closely, once the snow was gone, to see why the "guy wires" were a bit slack.

I found the wine bottle shattered and the bottom end of the vertical, with the coax connection to it, buried at least 6 inches into the dirt.

What amazed me was that there was no difference in how it loaded nor its operation. The only conclusion I could come to was that the ground there was a pretty good insulator. (!)

So I made a better, more robust, insulator out of pieces of PVC pipe.

> any pics you have would
> help a lot,

OK. I'll take some...

> do you use a tuner ?

Yes. A home-brew tuner which I have had for years. I built it many years ago. It has a rotary inductor, two large capacitors, and many fixed capacitors. It has an SWR bridge built into it, and switching for three antennas.

> the 160 meter switched coil, where is that
> mounted inside your nice looking shack or ?

No. It is out at the base of the antenna and is remotely switched from the shack.

> (switch is what type ?),

It is a large relay.

> you have
> cool looking Heath kit Equipt. !! .

Well, I have retired the SB-102 until such time as I can completely rebuild it since that photo was taken. I have several other rigs I can use now.

> Tnx for much detail you gave me .

Sure. Glad to help.

Ken W7EKB

33431. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 16:28:18 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 33431

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

33432. Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 20:14:08 UTC
From: jerrybosak@...
Topic: 33422 Message: 33432

Don't you just love it when a no code Technician comes along and starts using CW terms to make it sound like he is a class A Operator.

The HIHI stuff should be left at the front door when you talk two meters FM or on an internet forum.

The only Verticals I use are for 10 meters and FM.
I have a Hustler 5 BVT, but it's performance is lackluster at best!

Unless you had a 300' tower, there is no way I would recommend anyone trying to work 160 meters with a vertical.

33433. Re: [ham-antennas] Re: Does any of you use Verticals either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 20:27:11 UTC
From: Original Woodchuck
Topic: 33422 Message: 33433

On Fri, Aug 01, 2014 at 08:39:04AM -0700, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] wrote:
> On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:
>
> >Got questions for Ken, first- you mentioned - bits of
> > pvc for mounting driven element or at ground level ?
>
> Yes. When I first installed this vertical, I used an empty wine bottle as the
> base insulator. A couple of years ago, I went out back to look the vertical
> over a bit more closely, once the snow was gone, to see why the "guy wires"
> were a bit slack.
>
> I found the wine bottle shattered and the bottom end of the vertical, with the
> coax connection to it, buried at least 6 inches into the dirt.

Was it a champagne bottle? They're usually stronger.

I wonder if filling the bottle with some sort of polymer, say a quart of fiberglass resin would have helped or hindered? One would want a polymer that neither expanded nor contracted on curing. Such a polymer may not exist. (I know of metal alloys with this property, but we want a dielectric here.)

Anyone have any experience making their own ceramic insulators?

First, find someone with a pottery hobby. (Much like the recipe for rabbit stew.)

> What amazed me was that there was no difference in how it loaded nor its
> operation. The only conclusion I could come to was that the ground there
> was a pretty good insulator. (!)

I agree. Maybe it was sitting on a pile of glass shards, too.

> So I made a better, more robust, insulator out of pieces of PVC pipe.

Probably a better scheme, but you wouldn't get to guzzle the champagne! (Champagne, buckwheat crepes [bliny] with sour cream and cherries -- breakfast of champions!)

Hmmm, take wine bottle, coat inside with mold release, fill with polyester resin + lots of fibers + catalyst, let cure, break off bottle. A quart of resin (more than enough) is about $15 at amazon. Or use 1L plastic coke bottle. Hmmmm. Cut the bottom off, fill it from the big end.

Another free idea from the fertile compost heap of my mind: bowling balls. See this page: https://www.sff.net/people/j.oltion/trackball.htm Imagine a bowling ball, with a socket drilled out to accept the bottom of a vertical. For permanent installation, make some sort of ring for it to rest in. For field use, just set it in a depression in the ground. Use guys. Get clever: put a little bullseye level in the ball. Drilling out the socket is /not that hard to do/ although I have never tried. BTW, telescope hobbyists have all kinds of swell ideas for mounting things. A bowling ball weighs around 15 lbs, diameter ~8.5 in. See https://en.wikipedia.org/wiki/Bowling_ball for the inside story.

Dave AB3NR

33434. "from:" column

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 22:42:23 UTC
From: dalecole3502@...
Topic: 33434 Message: 33434

When I receive an email from these two groups in .....yahoogroups.com, all that shows in the "from" column is "Name, From" with no ID as to the sender. I can tell where it is coming from as the subject line shows what group it came from. Very annoying. Most other groups show the senders name.
Any ideas?
Dale K8TS

33435. Re: [ham-antennas] "from:" column

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 22:49:51 UTC
From: Artek Manuals
Topic: 33434 Message: 33435

The moderator can change that ..but a recent "dumbdate" ("Update" and
Yahoo in the same sentence no longer makes sense) but the default is no
name...most of the groups I belong to are still set at no name :-(
Dave
NR1DX

On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
>
> When I receive an email from these two groups in
> .....yahoogroups.com, all that shows in the "from" column is "Name,
> From" with no ID as to the sender. I can tell where it is coming from
> as the subject line shows what group it came from. Very annoying.
> Most other groups show the senders name.
> Any ideas?
> Dale K8TS
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33436. Re: [ham-antennas] "from:" column

Yahoo group: ham-antennas (2014)
Date: 2014-08-01 23:42:17 UTC
From: Chuck Schultz
Topic: 33434 Message: 33436

It is not so bad here as most are proud of & use their ham calls to
identify .....Chuck Wq5B
On 8/1/2014 5:49 PM, Artek Manuals nr1dx@... [ham-antennas] wrote:
>
> The moderator can change that ..but a recent "dumbdate" ("Update" and
> Yahoo in the same sentence no longer makes sense) but the default is
> no name...most of the groups I belong to are still set at no name :-(
> Dave
> NR1DX
>
> On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
>>
>> When I receive an email from these two groups in
>> .....yahoogroups.com, all that shows in the "from" column is "Name,
>> From" with no ID as to the sender. I can tell where it is coming from
>> as the subject line shows what group it came from. Very annoying.
>> Most other groups show the senders name.
>> Any ideas?
>> Dale K8TS
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33437. Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 01:11:12 UTC
From: Richard Schmuke
Topic: 33437 Message: 33437

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who can't build a mono-band vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

33438. RE: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 01:17:46 UTC
From: Dave
Topic: 33437 Message: 33438

Hi Richard ☐ Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna ☐ I put a 6 M Ringo in place of an inverted J-Pole ☐ and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do ☐
73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who can☐t build a mono-band vertical? I have made several, all different bands.
The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

33439. Re: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 01:26:03 UTC
From: Mike
Topic: 33437 Message: 33439

Or WWV ... ??
On 08/01/2014 06:11 PM, 'Richard Schmuke' rdj@...
[ham-antennas] wrote:
>
> After beating my head on a rock for a few days and trying to get my
> MFJ-259B to give me good readings on my 30M vertical, I rechecked it
> to a known good 50ohm calibration load, OK thru the whole range,
> checked out my 160M loop on all bands , checked out my NA4RR hex beam
> on its bands. No problem, all good with the MFJ-259B. Went back to my
> vertical, and who can’t build a mono-band vertical? I have made
> several, all different bands. The 30M vert is bad. I then took the
> advice of those wiser than me and got out my 35 year old Swan SWR
> meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does
> not like to operate on 10 Mhz in the middle of Missouri, must be a
> defect in the grey matter. That is the grey matter caused at the
> solder joints for not using lead any more, no personal defective grey
> matter that I can remember.
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
>

--
Mike KC7NOA

33440. RE: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 02:25:24 UTC
From: Richard Schmuke
Topic: 33437 Message: 33440

I do my best for K2HT, got him to use LOtW and computer logging, he likes my MFJ-259B so much he got one. He and I conversed several times the last few days about my antenna problem. He is one of the finest but don☐t let him know I said that, don☐t want him to get a big head, hihi. The MFJ-259 has been a great help until this antenna.

ZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:18 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Problem Solved

Hi Richard ☐ Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna ☐ I put a 6 M Ringo in place of an inverted J-Pole ☐ and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do ☐ 73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who can☐t build a mono-band vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

33441. Re: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 03:19:52 UTC
From: Richard Solomon
Topic: 33437 Message: 33441

How close is your nearest Broadcast Band Transmitter ?? They can do a
number on the MFJ
Analyzer.

73, Dick, W1KSZ

On Fri, Aug 1, 2014 at 7:25 PM, 'Richard Schmuke' rdj@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I do my best for K2HT, got him to use LOtW and computer logging, he likes
> my
> MFJ-259B so much he got one. He and I conversed several times the last few
> days about my antenna problem. He is one of the finest but don't let him
> know I said that, don't want him to get a big head, hihi. The MFJ-259 has
> been a great help until this antenna.
>
> ZZ
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:18 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Problem Solved
>
> Hi Richard – Same problem here except mine did not like 52.525 mhz. I
> changed an antenna at 160 feet because it complained about it and I think
> the one I removed was the better antenna – I put a 6 M Ringo in place of an
> inverted J-Pole – and that was the wrong thing to do (maybe) trusting the
> 259 was the wrong thing to do – 73 Dave / WØDR
>
> try and keep K2HT inline up there
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:11 PM
> To: Richard Schmuke
> Subject: [ham-antennas] Problem Solved
>
> After beating my head on a rock for a few days and trying to get my
> MFJ-259B
> to give me good readings on my 30M vertical, I rechecked it to a known good
> 50ohm calibration load, OK thru the whole range, checked out my 160M loop
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> all bands , checked out my NA4RR hex beam on its bands. No problem, all
> good
> with the MFJ-259B. Went back to my vertical, and who can't build a

> mono-band
> vertical? I have made several, all different bands. The 30M vert is bad. I
> then took the advice of those wiser than me and got out my 35 year old Swan
> SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does
> not like to operate on 10 Mhz in the middle of Missouri, must be a defect
> in
> the grey matter. That is the grey matter caused at the solder joints for
> not
> using lead any more, no personal defective grey matter that I can
> remember.
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
> [Non-text portions of this message have been removed]
>
>
>

33442. Re: [ham-antennas] Digest Number 3610

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 03:28:41 UTC
From: Dave Rickmers
Topic: 33442 Message: 33442

I have a 43' vertical on the roof. It is fiberglass and the 12g wire up the middle is solid. Stranded should not be used for transmitting. If you elevate the feed point and radials you can eliminate 75% of them. MFJ-928 auto tuner at the feed point. See my QRZ. 73 de dave/kd6il

via mobile device

33443. Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 04:37:23 UTC
From: email4utoo@...
Topic: 33422 Message: 33443

Dave , you are Funny! and gave some usable tips ,details that i will have to investigate , Thanks, 73s, AJ

ps seems like some do not motivate well like you , they ASSume your an inexperienced newbee, HIHi , (let's see now i belong to at least 4 QRP CW type groups, yes ,my CW is rusty, but improving every day !), will not help Grow the Hobby that some give negative feedback , why do they bother ? , glad i have thick skin, and will GrandFather my CW General,from my teen years in 11days, at next club meet.

33444. Re: [ham-antennas] Re: Does any of you use Verticles either wire or solid elements ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 05:05:18 UTC
From: email4utoo@...
Topic: 33422 Message: 33444

Bill, yes Good Job, glad to hear you are having fun with your KX3, heard some good things about that Elecraft Tcvr. , 73s, AJ W5HEH

33445. RE: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 11:12:43 UTC
From: Richard Schmuke
Topic: 33437 Message: 33445

Closest cell tower is 3.5 miles and AM broadcast is about 12 miles. Closest neighbor is half mile so I am lost except MFJ does not like 10Mhz.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 10:20 PM
To: Ham Antennas
Subject: Re: [ham-antennas] Problem Solved

How close is your nearest Broadcast Band Transmitter ?? They can do a number on the MFJ

Analyzer.

73, Dick, W1KSZ

On Fri, Aug 1, 2014 at 7:25 PM, 'Richard Schmuke' rdj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I do my best for K2HT, got him to use LOtW and computer logging, he likes my MFJ-259B so much he got one. He and I conversed several times the last few days about my antenna problem. He is one of the finest but don't let him know I said that, don't want him to get a big head, hihi. The MFJ-259 has been a great help until this antenna.

ZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:18 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Problem Solved

Hi Richard – Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna – I put a 6 M Ringo in place of an inverted J-Pole – and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do – 73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who can't build a mono-band

vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

33446. Re: [ham-antennas] Digest Number 3610

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 13:06:41 UTC
From: Joe
Topic: 33442 Message: 33446

Why would stranded not be used for transmitting?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/1/2014 10:28 PM, Dave Rickmers daverickmers@...
[ham-antennas] wrote:
>
>
> I have a 43' vertical on the roof. It is fiberglass and the 12g wire
> up the middle is solid. Stranded should not be used for transmitting.
> If you elevate the feed point and radials you can eliminate 75% of
> them. MFJ-928 auto tuner at the feed point. See my QRZ. 73 de dave/kd6il
>
> via mobile device
>
>
> ---
> *From: * ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * [ham-antennas] Digest Number 3610
> *Sent: * Sat, Aug 2, 2014 2:25:30 AM
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlcTdqMjZzBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyB
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwNjk0NjMzMA-->
>
> ham-antennas Group
> <https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJlOWNyM3RpBF9TAzk3MzU5
NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTQwNjk0Nj
MzMA-->
>
>
>
> 15 Messages
>
> Digest #3610
> 1a
> Re: Does any of you use Verticles either wire or solid elements ?
> <#1a> by w5heh
> 1b
> Re: Does any of you use Verticles either wire or solid elements ?

> <#1b> by "Bill Blomgren (kk4qdz)" billblomgren
> 1c
> Re: Does any of you use Verticles either wire or solid elements ?
> <#1c> by w5heh
> 1d
> Re: Does any of you use Verticles either wire or solid elements ?
> <#1d> by "Ron Youvan" ka4inm
> 1e
> Re: Does any of you use Verticals either wire or solid elements ?
> <#1e> by "Kenneth G. Gordon" w7ekb
> 1f
> Re: Does any of you use Verticles either wire or solid elements ?
> <#1f> by nascar_welderman
> 1g
> Re: Does any of you use Verticals either wire or solid elements ?
> <#1g> by "Original Woodchuck" marmot2399
> 2.1
> File - rules2.txt <#2.1> by
> 3a
> "from:" column <#3a> by dchamguy@...
> 3b
> Re: "from:" column <#3b> by "Artek Manuals" nr1dx@...
> 3c
> Re: "from:" column <#3c> by "Chuck Schultz" wq5b
> 4a
> Problem Solved <#4a> by "Richard Schmuke" richdjschmuke
> 4b
> Re: Problem Solved <#4b> by "Dave" dew0dr
> 4c
> Re: Problem Solved <#4c> by "Mike" seth_otherpower
> 4d
> Re: Problem Solved <#4d> by "Richard Schmuke" richdjschmuke
>
>
> Messages
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>
> 1a
>
>
> Re: Does any of you use Verticles either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33426;_ylc=X3oDMTJzYmcyNnZsBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 4:21 am (PDT) . Posted by:
>
>

> w5heh <javascript:return>
>
> Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details
> ,links ,pics, will be of help. Got questions for Ken, first- you
> mentioned - bits of pvc for mounting driven element or at ground level
> ? any pics you have would help a lot, do you use a tuner ? the 160
> meter switched coil, where is that mounted inside your nice looking
> shack or ? (switch is what type ?), you have cool looking Heath kit
> Equipt. !! . Tnx for much detail you gave me .
> Ron, on 43 wire, with radials and how long and number of them? any
> articles you recommend ? How Far or mounting method could i use with
> my Tall Trees ? Will consider Fiber mast you mentioned ,just concerned
> about 50 Mph winds we get infrequently . Would not that mast to fall
> on our Family Milk Cows ,hihi. Tnx Ron.
>
> Mike, Helical Mag-Loop, how high up is appropriate ? I did buy some
> old air Variable Caps. to build one this winter for fun to see if i
> can use it during our lightening Storms here in the Ozarks . Mike Tnx.
>
> Any others please chime in , appreciate this Group, Antennas are a
> major part of my Transmission , Thanks & 73s, AJ W5Heh
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33426;_ylc=X3oD
MTJzbGRram44BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNg
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33426>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT
M4aTZnY3RlBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNgRz
ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
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> Re: Does any of you use Verticles either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33427;_ylc=X3oDMT
JzMTk1M2lpBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNwRz
ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 6:25 am (PDT) . Posted by:
>
>
> "Bill Blomgren (kk4qdz)" billblomgren <javascript:return>
>
> My MFJ (which is not what I would consider really well made) --- First
> overseas contact was at 5' elevation in the back yard at 5-8 watts on

> a KX3 to northern Italy on 15 meters....SSB no less.
>
> Does that count?
>
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
> _____
> From: "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Friday, August 1, 2014 7:21 AM
> Subject: [ham-antennas] Re: Does any of you use Verticles either wire
> or solid elements ?
>
>
> Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details
> ,links ,pics, will be of help. Got questions for Ken, first- you
> mentioned - bits of pvc for mounting driven element or at ground level
> ? any pics you have would help a lot, do you use a tuner ? the 160
> meter switched coil, where is that mounted inside your nice looking
> shack or ? (switch is what type ?), you have cool looking Heath kit
> Equipt. !! . Tnx for much detail you gave me .
> Ron, on 43 wire, with radials and how long and number of
> them? any articles you recommend ? How Far or mounting method could i
> use with my Tall Trees ? Will consider Fiber mast you mentioned ,just
> concerned about 50 Mph winds we get infrequently . Would not that mast
> to fall on our Family Milk Cows ,hihi. Tnx Ron.
>
> Mike, Helical Mag-Loop, how high up is appropriate
> ? I did buy some old air Variable Caps. to build one this winter for
> fun to see if i can use it during our lightening Storms here in the
> Ozarks . Mike Tnx.
>
> Any others please chime in , appreciate this Group, Antennas are a
> major part of my Transmission , Thanks & 73s, AJ W5Heh
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33427;_ylc=X3oD
MTJzZWJwOGc5BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNw
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33427>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
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> Re: Does any of you use Verticles either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33428;_ylc=X3oDMTJzanZ1cWt0BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOARzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
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>
> Fri Aug 1, 2014 6:51 am (PDT) . Posted by:
>
>
> w5heh <javascript:return>
>
> Well, this morning i pulled the trigger on the LDG 31' portable
> Vertical, is on sale at Cheapham for 75.oo, the 43 footer is 125. ,
> but to heavy for portable, so i will run a Vertical wire up in one of
> our Trees, will utilize either a Petoway Coil or Radials or both if
> needed for both . Looking forward to setting it up and experimenting
> with the Shack Wire ,will find the Tallest Tree , hoping at least
> 40ft. Any suggestions /advice will be appreciated . 73s, AJ W5heh
>
> ps yes will update how it goes !
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33428;_ylc=X3oDMTJza3NqcmljBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOARzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33428>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMTM4Z2tic2pqBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOARzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
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> Re: Does any of you use Verticles either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33429;_ylc=X3oDMTJzNTBlc25iBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOQRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
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>
>
> Fri Aug 1, 2014 7:27 am (PDT) . Posted by:
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>
> "Ron Youvan" ka4inm <javascript:return>
>
> On 08/01/2014 07:21 AM, email4utoo@... wrote:

>
> > Ron, on 43 wire, with radials and how long and number of
> > them? any articles you recommend ? How Far or mounting method could i
> > use with my Tall Trees ? Will consider Fiber mast you mentioned ,just
> > concerned about 50 Mph winds we get infrequently . Would not that mast
> > to fall on our Family Milk Cows ,hihi. Tnx Ron.
>
> I have only read favorable reports from others here and I put one up
> fed with a Yaesu FC-40 + FT-857D and it worked good on 6 and 10 meters,
> a steel fireplace was the counterpoise, (then I went on vacation) you
> should use 120 radials 1/4 wl on the lowest frequency you wish to use.
> (or the frame of a car or pickup truck)
> The fiberglass extendable pole can be unextended as desired at any time,
> but generally they are quite rugged and flexible.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33429;_ylc=X3oD
MTJzZ2kyOXRwBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOQ
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33429>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
> . Top ^ <#toc>
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> Re: Does any of you use Verticals either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33430;_ylc=X3oDMT
JzaWw5MHZkBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMARz
ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 8:39 am (PDT) . Posted by:
>
>
> "Kenneth G. Gordon" w7ekb <javascript:return>
>
> On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:
>
> >Got questions for Ken, first- you mentioned - bits of
> > pvc for mounting driven element or at ground level ?
>

> Yes. When I first installed this vertical, I used an empty wine bottle
> as the
> base insulator. A couple of years ago, I went out back to look the
> vertical
> over a bit more closely, once the snow was gone, to see why the "guy
> wires"
> were a bit slack.
>
> I found the wine bottle shattered and the bottom end of the vertical,
> with the
> coax connection to it, buried at least 6 inches into the dirt.
>
> What amazed me was that there was no difference in how it loaded nor its
> operation. The only conclusion I could come to was that the ground there
> was a pretty good insulator. (!)
>
> So I made a better, more robust, insulator out of pieces of PVC pipe.
>
> > any pics you have would
> > help a lot,
>
> OK. I'll take some...
>
> > do you use a tuner ?
>
> Yes. A home-brew tuner which I have had for years. I built it many
> years ago.
> It has a rotary inductor, two large capacitors, and many fixed
> capacitors. It
> has an SWR bridge built into it, and switching for three antennas.
>
> > the 160 meter switched coil, where is that
> > mounted inside your nice looking shack or ?
>
> No. It is out at the base of the antenna and is remotely switched from
> the
> shack.
>
> > (switch is what type ?),
>
> It is a large relay.
>
> > you have
> > cool looking Heath kit Equipt. !! .
>
> Well, I have retired the SB-102 until such time as I can completely
> rebuild it
> since that photo was taken. I have several other rigs I can use now.
>
> > Tnx for much detail you gave me .

>
> Sure. Glad to help.
>
> Ken W7EKB
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33430;_ylc=X3oD
MTJzczUwYmhkBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMA
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33430>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT
M4bWQ5dWwxBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMARz
ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
> . Top ^ <#toc>
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> Re: Does any of you use Verticles either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33432;_ylc=X3oDMT
JzdG1zNjRtBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMgRz
ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
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>
> Fri Aug 1, 2014 1:14 pm (PDT) . Posted by:
>
>
> nascar_welderman <javascript:return>
>
> Don't you just love it when a no code Technician comes along and
> starts using CW terms to make it sound like he is a class A Operator.
>
> The HIHI stuff should be left at the front door when you talk two
> meters FM or on an internet forum.
>
> The only Verticals I use are for 10 meters and FM.
> I have a Hustler 5 BVT, but it's performance is lackluster at best!
>
> Unless you had a 300' tower, there is no way I would recommend anyone
> trying to work 160 meters with a vertical.
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33432;_ylc=X3oD
MTJzN25vcjRwBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMg
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33432>
> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT

M4aG5rMmpyBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMgRz
ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy>
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> Re: Does any of you use Verticals either wire or solid elements ?
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33433;_ylc=X3oDMT
JzMGdsdGw3BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMwRz
ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
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>
> "Original Woodchuck" marmot2399 <javascript:return>
>
> On Fri, Aug 01, 2014 at 08:39:04AM -0700, 'Kenneth G. Gordon'
> kgordon2006@... [ham-antennas] wrote:
> > On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:
> >
> > >Got questions for Ken, first- you mentioned - bits of
> > > pvc for mounting driven element or at ground level ?
> >
> > Yes. When I first installed this vertical, I used an empty wine
> bottle as the
> > base insulator. A couple of years ago, I went out back to look the
> vertical
> > over a bit more closely, once the snow was gone, to see why the "guy
> wires"
> > were a bit slack.
> >
> > I found the wine bottle shattered and the bottom end of the
> vertical, with the
> > coax connection to it, buried at least 6 inches into the dirt.
>
> Was it a champagne bottle? They're usually stronger.
>
> I wonder if filling the bottle with some sort of polymer, say a quart
> of fiberglass resin would have helped or hindered? One would want a
> polymer that neither expanded nor contracted on curing. Such a polymer
> may not exist. (I know of metal alloys with this property, but we want
> a dielectric here.)
>
> Anyone have any experience making their own ceramic insulators?
>
> First, find someone with a pottery hobby. (Much like the recipe for
> rabbit stew.)

>
> > What amazed me was that there was no difference in how it loaded nor
> its
> > operation. The only conclusion I could come to was that the ground
> there
> > was a pretty good insulator. (!)
>
> I agree. Maybe it was sitting on a pile of glass shards, too.
>
> > So I made a better, more robust, insulator out of pieces of PVC pipe.
>
> Probably a better scheme, but you wouldn't get to guzzle the champagne!
> (Champagne, buckwheat crepes [bliny] with sour cream and cherries --
> breakfast of champions!)
>
> Hmmm, take wine bottle, coat inside with mold release, fill with polyester
> resin + lots of fibers + catalyst, let cure, break off bottle. A quart
> of resin (more than enough) is about $15 at amazon. Or use 1L plastic
> coke bottle. Hmmmm. Cut the bottom off, fill it from the big end.
>
> Another free idea from the fertile compost heap of my mind: bowling
> balls. See this page: https://www.sff.net/people/j.oltion/trackball.htm
> Imagine a bowling ball, with a socket drilled out to accept the bottom
> of a vertical. For permanent installation, make some sort of ring
> for it to rest in. For field use, just set it in a depression in
> the ground. Use guys. Get clever: put a little bullseye level in the
> ball. Drilling out the socket is /not that hard to do/ although I have
> never tried. BTW, telescope hobbyists have all kinds of swell ideas for
> mounting things. A bowling ball weighs around 15 lbs, diameter ~8.5 in.
> See https://en.wikipedia.org/wiki/Bowling_ball for the inside story.
>
> Dave AB3NR
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33433;_ylc=X3oD
MTJzcTQzZ2V1BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMw
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> . All Messages (11)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMT
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> . Top ^ <#toc>
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> 2.1
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>
> File - rules2.txt
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33431;_ylc=X3oDMT

Jza3QwaDZ2BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMQRz
ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 9:28 am (PDT) . Posted by:
>
>
> <javascript:return>
>
>
> OK FOLKS:
>
> Here are the rules of the reflector : HAM-ANTENNAS
> This file will be sent once a month automatically to remind all users.
>
> 1. Name calling (race, religion, politics, gender, etc.), is prohibited.
> 2. Telling someone they are ignorant (in any way, shape, or form), is
> prohibited.
> 3. Denigrating other races or minorities, or expressing POLITICAL VIEWS
> will earn you moderation or banning.
> 4. If you do it privately it is a private dispute. When/if it spills over
> onto the reflector, you will be moderated or banned.
> 5. Even coming close to these boundaries is to be avoided.
> 6. Banning/moderation will be used, with NO notification to the
> transgressor.
> 7. Civil chatter and Civil wordage is THE rule.
> 8. IF the Moderators are offended, then penalties will be applied.
> 9. There are two Moderators, EITHER can ban/moderate you.
> 10. Moderators ARE the final arbitrator of disputes, we hate bickering!
> 11. USE Private or Direct Emails to address your concerns to the
> Moderators, because public postings may likely result in penalties as
> above.
> !!!!
> 12. Use common sense. If you would be hurt or upset if you received what
> you are about to send, and you are intentionally meaning to do that,
> DON'T DO
> IT!
>
> 13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing
> more.
>
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33431;_ylc=X3oD
MTJzNmFlZ3NrBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMQ
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> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/12267;_ylc=X3oDMT
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>
> 3a
>
>
> "from:" column
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 3:42 pm (PDT) . Posted by:
>
>
> dchamguy@... <javascript:return>
>
>
> When I receive an email from these two groups in .....yahoogroups.
> com, all that shows in the "from" column is "Name, From" with no ID
> as to the sender. I can tell where it is coming from as the subject
> line shows what group it came from. Very annoying. Most other groups
> show the senders name.
> Any ideas?
> Dale K8TS
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33434;_ylc=X3oD
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> . All Messages (3)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMT
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>
> 3b
>
>
> Re: "from:" column
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33435;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 3:50 pm (PDT) . Posted by:
>

>
> "Artek Manuals" nr1dx@... <javascript:return>
>
> The moderator can change that ..but a recent "dumbdate" ("Update" and
> Yahoo in the same sentence no longer makes sense) but the default is no
> name...most of the groups I belong to are still set at no name :-(
> Dave
> NR1DX
>
> On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
> >
> > When I receive an email from these two groups in
> > .....yahoogroups.com, all that shows in the "from" column is "Name,
> > From" with no ID as to the sender. I can tell where it is coming from
> > as the subject line shows what group it came from. Very annoying.
> > Most other groups show the senders name.
> > Any ideas?
> > Dale K8TS
> >
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33435;_ylc=X3oD
MTJzaWQ3bHFiBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNQ
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33435>
> . All Messages (3)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMT
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>
> 3c
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>
> Re: "from:" column
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>

>
> Fri Aug 1, 2014 4:43 pm (PDT) . Posted by:
>
>
> "Chuck Schultz" wq5b <javascript:return>
>
> It is not so bad here as most are proud of & use their ham calls to
> identify .....Chuck Wq5B
> On 8/1/2014 5:49 PM, Artek Manuals nr1dx@... [ham-antennas] wrote:
> >
> > The moderator can change that ..but a recent "dumbdate" ("Update" and
> > Yahoo in the same sentence no longer makes sense) but the default is
> > no name...most of the groups I belong to are still set at no name :-(
> > Dave
> > NR1DX
> >
> > On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
> >>
> >> When I receive an email from these two groups in
> >> .....yahoogroups.com, all that shows in the "from" column is "Name,
> >> From" with no ID as to the sender. I can tell where it is coming from
> >> as the subject line shows what group it came from. Very annoying.
> >> Most other groups show the senders name.
> >> Any ideas?
> >> Dale K8TS
> >
> >
> > --
> > Dave
> > Manuals@...
> > www.ArtekManuals.com
> >
> >
> > ---
> > <http://www.avast.com/>
> >
> > This email is free from viruses and malware because avast! Antivirus
> > <http://www.avast.com/> protection is active.
> >
> >
> >
>
> ---
> This email is free from viruses and malware because avast! Antivirus
> protection is active.
> http://www.avast.com
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33436;_ylc=X3oD
MTJzaDFhYjl1BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNg

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> . All Messages (3)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMT
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> 4a
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>
> Problem Solved
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 6:11 pm (PDT) . Posted by:
>
>
> "Richard Schmuke" richdjschmuke <javascript:return>
>
> After beating my head on a rock for a few days and trying to get my
> MFJ-259B
> to give me good readings on my 30M vertical, I rechecked it to a known
> good
> 50ohm calibration load, OK thru the whole range, checked out my 160M
> loop on
> all bands , checked out my NA4RR hex beam on its bands. No problem,
> all good
> with the MFJ-259B. Went back to my vertical, and who can't build a
> mono-band
> vertical? I have made several, all different bands. The 30M vert is bad. I
> then took the advice of those wiser than me and got out my 35 year old
> Swan
> SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does
> not like to operate on 10 Mhz in the middle of Missouri, must be a
> defect in
> the grey matter. That is the grey matter caused at the solder joints
> for not
> using lead any more, no personal defective grey matter that I can
> remember.
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33437;_ylc=X3oD

MTJzYjlxMG5wBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNw
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> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMT
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>
> 4b
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>
> Re: Problem Solved
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33438;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 6:17 pm (PDT) . Posted by:
>
>
> "Dave" dew0dr <javascript:return>
>
> Hi Richard Same problem here except mine did not like 52.525
> mhz. I changed an antenna at 160 feet because it complained about
> it and I think the one I removed was the better antenna I put a
> 6 M Ringo in place of an inverted J-Pole and that was the wrong
> thing to do (maybe) trusting the 259 was the wrong thing to do
> 73 Dave / WØDR
>
> try and keep K2HT inline up there
>
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:11 PM
> To: Richard Schmuke
> Subject: [ham-antennas] Problem Solved
>
> After beating my head on a rock for a few days and trying to get
> my MFJ-259B to give me good readings on my 30M vertical, I
> rechecked it to a known good 50ohm calibration load, OK thru the
> whole range, checked out my 160M loop on all bands , checked out
> my NA4RR hex beam on its bands. No problem, all good with the
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> mono-band vertical? I have made several, all different bands.
> The 30M vert is bad. I then took the advice of those wiser than me
> and got out my 35 year old Swan SWR meter. Gee the Swan likes the
> antenna as does my radio. MFJ-259B does not like to operate on 10
> Mhz in the middle of Missouri, must be a defect in the grey
> matter. That is the grey matter caused at the solder joints for

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> can remember.
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>
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>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33438;_ylc=X3oD
MTJzZnJsMGl2BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOA
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33438>
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> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMT
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> 4c
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>
> Re: Problem Solved
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33439;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 6:26 pm (PDT) . Posted by:
>
>
> "Mike" seth_otherpower <javascript:return>
>
> Or WWV ... ??
> On 08/01/2014 06:11 PM, 'Richard Schmuke' rdj@...
> [ham-antennas] wrote:
> >
> > After beating my head on a rock for a few days and trying to get my
> > MFJ-259B to give me good readings on my 30M vertical, I rechecked it
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> >
> > The above post can be fictional, hypothetical, or downright nonsensical.
> >
> > Rich, Kd0zz
> >
> >
>
> --
> Mike KC7NOA
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33439;_ylc=X3oD
MTJzZnI5ZG5rBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOQ
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33439>
> . All Messages (4)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMT
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> 4d
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>
> Re: Problem Solved
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33440;_ylc=X3oDMT
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ZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw>
>
>
>
> Fri Aug 1, 2014 7:25 pm (PDT) . Posted by:
>
>
> "Richard Schmuke" richdjschmuke <javascript:return>
>
> I do my best for K2HT, got him to use LOtW and computer logging, he
> likes my
> MFJ-259B so much he got one. He and I conversed several times the last few
> days about my antenna problem. He is one of the finest but dont let him
> know I said that, dont want him to get a big head, hihi. The MFJ-259 has
> been a great help until this antenna.
>
> ZZ
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:18 PM

> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Problem Solved
>
> Hi Richard Same problem here except mine did not like 52.525 mhz. I
> changed an antenna at 160 feet because it complained about it and I think
> the one I removed was the better antenna I put a 6 M Ringo in place of an
> inverted J-Pole and that was the wrong thing to do (maybe) trusting the
> 259 was the wrong thing to do 73 Dave / WØDR
>
> try and keep K2HT inline up there
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:11 PM
> To: Richard Schmuke
> Subject: [ham-antennas] Problem Solved
>
> After beating my head on a rock for a few days and trying to get my
> MFJ-259B
> to give me good readings on my 30M vertical, I rechecked it to a known
> good
> 50ohm calibration load, OK thru the whole range, checked out my 160M
> loop on
> all bands , checked out my NA4RR hex beam on its bands. No problem,
> all good
> with the MFJ-259B. Went back to my vertical, and who cant build a
> mono-band
> vertical? I have made several, all different bands. The 30M vert is bad. I
> then took the advice of those wiser than me and got out my 35 year old
> Swan
> SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does
> not like to operate on 10 Mhz in the middle of Missouri, must be a
> defect in
> the grey matter. That is the grey matter caused at the solder joints
> for not
> using lead any more, no personal defective grey matter that I can
> remember.
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
> [Non-text portions of this message have been removed]
>
> Reply to sender <javascript:return> . Reply to group
> <javascript:return> . Reply via Web Post
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33440;_ylc=X3oD
MTJzZWtscnZ0BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQ0MA
RzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33440>
> . All Messages (4)
> <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMT

M4MGFoYnVoBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQ0MARz
ZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM3>
> . Top ^ <#toc>
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NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MDY5ND
YzMzA->
>
>
> * New Members
> <https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJnYmluZ2U2BF9TA
zk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQM
xNDA2OTQ2MzMw>
> 8
>
> Yahoo! Groups
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlcTdqMjZzBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyB
GdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwNjk0NjMzMA-->
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33447. MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 13:58:07 UTC
From: Art Nienhouse
Topic: 33447 Message: 33447

Hi Richard
Years ago I lived 20 miles from WLS am tower between my house and the TX tower, there were interstate power lines that were between my house and the tx tower I think the distance from the WLS tower was about a mile as was the distance my house was from the power lines to my antenna.
WLS .890am clear channel signal would hitch a ride on the interstate power lines 20 miles from the tower and over powering the car radio when driving under them. When the interstate power line insulators were changed out after so many years of service a lot of QRN was eliminated.

When I tried to use my MFJ analyzer on my 40 /160 & 80 twin element 1/2 sloper it worked ok on all frequency's but 160 meter I would see the meter if attenuated enough bouncing to the broadcast signal peaks, when not attenuated the MFJ meter was just pegged.

The solution was a ICE broad cast band filter (model 402x) 1.8 -30 Mhz (300 w) 50 ohm Non-Polar Non-DC Passive.....Contest guys use this filter it will keep everything out below and above.
MFJ used to sell a coil kit you put on the analyzer I have one somewhere but never used it.

I found the FET that runs the MFJ to be (very sensitive to RF) any RF, if the analyzer was on the table next to the amp it would fry, and it needing a trip to Starkville MS for a $60 repair, this happened twice the first time it was connected to a Alpha Delta coax switch but not switched in line, the second time just sitting near the Command Amp..... not connected via coax at all and not even on..... another $60 dollar trip to Starkville.

This is a very useful tool but has its faults, now I keep it in the closet ten feet away from the station equipment, and many years later its still working just don't let alkaline batteries in it for a long time they will corrode.

Regards
Art
ka9zap

33448. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 14:34:25 UTC
From: Richard Schmuke
Topic: 33447 Message: 33448

Good information Art, I find the MFJ is handy for me and the price was affordable. This experience working with 10Mhz was something new. My analyzer seems to be OK on all the other bands. The closest AM station tower is low power and about 12 miles away.

I find batteries in a large pack from Costco a good value, everything takes AA's.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, August 02, 2014 8:58 AM
To: 'Richard Schmuke' rdj@... [ham-antennas]
Subject: [ham-antennas] MFJ Analizer

Hi Richard
Years ago I lived 20 miles from WLS am tower between my house and the TX tower, there were interstate power lines that were between my house and the tx tower I think the distance from the WLS tower was about a mile as was the distance my house was from the power lines to my antenna.
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MFJ used to sell a coil kit you put on the analyzer I have one somewhere but never used it.

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This is a very useful tool but has its faults, now I keep it in the closet ten feet away from the station equipment, and many years later its still working just don't let alkaline batteries in it for a long time they will corrode.

Regards
Art
ka9zap

[Non-text portions of this message have been removed]

33449. RE: [ham-antennas] Digest Number 3610/ Stranded??

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 14:38:16 UTC
From: Richard Schmuke
Topic: 33442 Message: 33449

I wondered the same thing Joe, my 160 loop and 6 band hex beam are all stranded.

Rich, Kd0zz

Subject: Re: [ham-antennas] Digest Number 3610

Why would stranded not be used for transmitting?

Joe WB9SBD

Error! Filename not specified.
The Original Rolling Ball Clock
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Idle-Tyme.com
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On 8/1/2014 10:28 PM, Dave Rickmers daverickmers@... [ham-antennas] wrote:

I have a 43' vertical on the roof. It is fiberglass and the 12g wire up the middle is solid. Stranded should not be used for transmitting. If you elevate the feed point and radials you can eliminate 75% of them. MFJ-928 auto tuner at the feed point. See my QRZ. 73 de dave/kd6il

via mobile device

From: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com> <ham-antennas@yahoogroups.com>;
To: <mailto:ham-antennas@yahoogroups.com> <ham-antennas@yahoogroups.com>;
Subject: [ham-antennas] Digest Number 3610
Sent: Sat, Aug 2, 2014 2:25:30 AM

<https://groups.yahoo.com/neo;_ylc=X3oDMTJlcTdqMjZzBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQwNjk0NjMzMA--> Image removed by sender. Yahoo! Groups

<https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJlOWNyM3RpBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDaGRyBHNsawNocGgEc3RpbWUDMTQwNjk0NjMzMA--> ham-antennas Group

15 Messages

Digest #3610

1a

Re: Does any of you use Verticles either wire or solid elements ? by w5heh

1b

Re: Does any of you use Verticles either wire or solid elements ? by "Bill Blomgren (kk4qdz)" billblomgren

1c

Re: Does any of you use Verticles either wire or solid elements ? by w5heh

1d

Re: Does any of you use Verticles either wire or solid elements ? by "Ron Youvan" ka4inm

1e

Re: Does any of you use Verticals either wire or solid elements ? by "Kenneth G. Gordon" w7ekb

1f

Re: Does any of you use Verticles either wire or solid elements ? by nascar_welderman

1g

Re: Does any of you use Verticals either wire or solid elements ? by "Original Woodchuck" marmot2399

2.1

File - rules2.txt by

3a

"from:" column by dchamguy@...

3b

Re: "from:" column by "Artek Manuals" nr1dx@...

3c

Re: "from:" column by "Chuck Schultz" wq5b

4a

Problem Solved by "Richard Schmuke" richdjschmuke

4b

Re: Problem Solved by "Dave" dew0dr

4c

Re: Problem Solved by "Mike" seth_otherpower

4d

Re: Problem Solved by "Richard Schmuke" richdjschmuke

Messages

1a

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33426;_ylc=X3oDMTJzYmcyNnZsBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticles either wire or solid elements ?

Fri Aug 1, 2014 4:21 am (PDT) . Posted by:

w5heh

Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details ,links ,pics, will be of help. Got questions for Ken, first- you mentioned - bits of pvc for mounting driven element or at ground level ? any pics you have would help a lot, do you use a tuner ? the 160 meter switched coil, where is that mounted inside your nice looking shack or ? (switch is what type ?), you have cool looking Heath kit Equipt. !! . Tnx for much detail you gave me .
Ron, on 43 wire, with radials and how long and number of them? any articles you recommend ? How Far or mounting method could i use with my Tall Trees ? Will consider Fiber mast you mentioned ,just concerned about 50 Mph winds we get infrequently . Would not that mast to fall on our Family Milk Cows ,hihi. Tnx Ron.

Mike, Helical Mag-Loop, how high up is appropriate ? I did buy some old air Variable Caps. to build one this winter for fun to see if i can use it during our lightening Storms here in the Ozarks . Mike Tnx.

Any others please chime in , appreciate this Group, Antennas are a major part of my Transmission , Thanks & 73s, AJ W5Heh

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1b

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33427;_ylc=X3oDMTJzMTk1M2lpBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyNwRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticles either wire or solid elements ?

Fri Aug 1, 2014 6:25 am (PDT) . Posted by:

"Bill Blomgren (kk4qdz)" billblomgren

My MFJ (which is not what I would consider really well made) --- First overseas contact was at 5' elevation in the back yard at 5-8 watts on a KX3 to northern Italy on 15 meters....SSB no less.

Does that count?

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

_____
From: <mailto:email4utoo@...[ham-antennas]> "email4utoo@... [ham-antennas]" <mailto:ham-antennas@yahoogroups.com> <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, August 1, 2014 7:21 AM
Subject: [ham-antennas] Re: Does any of you use Verticles either wire or solid elements ?

Hihi , misspelled Vertical ! Thank you Ken, Ron, Mike, and the details ,links ,pics, will be of help. Got questions for Ken, first- you mentioned - bits of pvc for mounting driven element or at ground level ? any pics you have would help a lot, do you use a tuner ? the 160 meter switched coil, where is that mounted inside your nice looking shack or ? (switch is what type ?), you have cool looking Heath kit Equipt. !! . Tnx for much detail you gave me .
Ron, on 43 wire, with radials and how long and number of them? any articles you recommend ? How Far or mounting method could i use with my Tall Trees ? Will consider Fiber mast you mentioned ,just concerned about 50 Mph winds we get infrequently . Would not that mast to fall on our Family Milk Cows ,hihi. Tnx Ron.

Mike, Helical Mag-Loop, how high up is appropriate ? I did buy some old air Variable Caps. to build one this winter for fun to see if i can use it during our lightening Storms here in the Ozarks . Mike Tnx.

Any others please chime in , appreciate this Group, Antennas are a major part of my Transmission , Thanks & 73s, AJ W5Heh

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1c

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Fri Aug 1, 2014 6:51 am (PDT) . Posted by:

w5heh

Well, this morning i pulled the trigger on the LDG 31' portable Vertical, is on sale at Cheapham for 75.oo, the 43 footer is 125. , but to heavy for portable, so i will run a Vertical wire up in one of our Trees, will utilize either a Petoway Coil or Radials or both if needed for both . Looking forward to setting it up and experimenting with the Shack Wire ,will find the Tallest Tree , hoping at least 40ft. Any suggestions /advice will be appreciated . 73s, AJ W5heh

ps yes will update how it goes !

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1d

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33429;_ylc=X3oDMTJzNTBlc25iBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQyOQRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticles either wire or solid elements ?

Fri Aug 1, 2014 7:27 am (PDT) . Posted by:

"Ron Youvan" ka4inm

On 08/01/2014 07:21 AM, email4utoo@... wrote:

> Ron, on 43 wire, with radials and how long and number of
> them? any articles you recommend ? How Far or mounting method could i
> use with my Tall Trees ? Will consider Fiber mast you mentioned ,just
> concerned about 50 Mph winds we get infrequently . Would not that mast
> to fall on our Family Milk Cows ,hihi. Tnx Ron.

I have only read favorable reports from others here and I put one up
fed with a Yaesu FC-40 + FT-857D and it worked good on 6 and 10 meters,
a steel fireplace was the counterpoise, (then I went on vacation) you
should use 120 radials 1/4 wl on the lowest frequency you wish to use.
(or the frame of a car or pickup truck)
The fiberglass extendable pole can be unextended as desired at any time,
but generally they are quite rugged and flexible.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

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1e

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33430;_ylc=X3oDMTJzaWw5MHZkBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMARzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticals either wire or solid elements ?

Fri Aug 1, 2014 8:39 am (PDT) . Posted by:

"Kenneth G. Gordon" w7ekb

On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:

>Got questions for Ken, first- you mentioned - bits of
> pvc for mounting driven element or at ground level ?

Yes. When I first installed this vertical, I used an empty wine bottle as the base insulator. A couple of years ago, I went out back to look the vertical over a bit more closely, once the snow was gone, to see why the "guy wires" were a bit slack.

I found the wine bottle shattered and the bottom end of the vertical, with the coax connection to it, buried at least 6 inches into the dirt.

What amazed me was that there was no difference in how it loaded nor its operation. The only conclusion I could come to was that the ground there was a pretty good insulator. (!)

So I made a better, more robust, insulator out of pieces of PVC pipe.

> any pics you have would
> help a lot,

OK. I'll take some...

> do you use a tuner ?

Yes. A home-brew tuner which I have had for years. I built it many years ago. It has a rotary inductor, two large capacitors, and many fixed capacitors. It has an SWR bridge built into it, and switching for three antennas.

> the 160 meter switched coil, where is that
> mounted inside your nice looking shack or ?

No. It is out at the base of the antenna and is remotely switched from the shack.

> (switch is what type ?),

It is a large relay.

> you have
> cool looking Heath kit Equipt. !! .

Well, I have retired the SB-102 until such time as I can completely rebuild it since that photo was taken. I have several other rigs I can use now.

> Tnx for much detail you gave me .

Sure. Glad to help.

Ken W7EKB

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WQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMARzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33430> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMTM4bWQ5dWwxBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMARzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy> All Messages (11) . Top ^

1f

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33432;_ylc=X3oDMTJzdG1zNjRtBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticles either wire or solid elements ?

Fri Aug 1, 2014 1:14 pm (PDT) . Posted by:

nascar_welderman

Don't you just love it when a no code Technician comes along and starts using CW terms to make it sound like he is a class A Operator.

The HIHI stuff should be left at the front door when you talk two meters FM or on an internet forum.

The only Verticals I use are for 10 meters and FM.
I have a Hustler 5 BVT, but it's performance is lackluster at best!

Unless you had a 300' tower, there is no way I would recommend anyone trying to work 160 meters with a vertical.

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33432;_ylc=X3oDMTJzN25vcjRwBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMgRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33432> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMTM4aG5rMmpyBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMgRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy> All Messages (11) . Top ^

1g

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33433;_ylc=X3oDMTJzMGdsdGw3BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMwRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Does any of you use Verticals either wire or solid elements ?

Fri Aug 1, 2014 1:27 pm (PDT) . Posted by:

"Original Woodchuck" marmot2399

On Fri, Aug 01, 2014 at 08:39:04AM -0700, 'Kenneth G. Gordon' kgordon2006@frontier.com [ham-antennas] wrote:
> On 1 Aug 2014 at 4:21, email4utoo@... [ham-antennas] wrote:
>
> >Got questions for Ken, first- you mentioned - bits of
> > pvc for mounting driven element or at ground level ?
>

> Yes. When I first installed this vertical, I used an empty wine bottle as the
> base insulator. A couple of years ago, I went out back to look the vertical
> over a bit more closely, once the snow was gone, to see why the "guy wires"
> were a bit slack.
>
> I found the wine bottle shattered and the bottom end of the vertical, with the
> coax connection to it, buried at least 6 inches into the dirt.

Was it a champagne bottle? They're usually stronger.

I wonder if filling the bottle with some sort of polymer, say a quart
of fiberglass resin would have helped or hindered? One would want a
polymer that neither expanded nor contracted on curing. Such a polymer
may not exist. (I know of metal alloys with this property, but we want
a dielectric here.)

Anyone have any experience making their own ceramic insulators?

First, find someone with a pottery hobby. (Much like the recipe for
rabbit stew.)

> What amazed me was that there was no difference in how it loaded nor its
> operation. The only conclusion I could come to was that the ground there
> was a pretty good insulator. (!)

I agree. Maybe it was sitting on a pile of glass shards, too.

> So I made a better, more robust, insulator out of pieces of PVC pipe.

Probably a better scheme, but you wouldn't get to guzzle the champagne!
(Champagne, buckwheat crepes [bliny] with sour cream and cherries --
breakfast of champions!)

Hmmm, take wine bottle, coat inside with mold release, fill with polyester
resin + lots of fibers + catalyst, let cure, break off bottle. A quart
of resin (more than enough) is about $15 at amazon. Or use 1L plastic
coke bottle. Hmmmm. Cut the bottom off, fill it from the big end.

Another free idea from the fertile compost heap of my mind: bowling
balls. See this page: https://www.sff.net/people/j.oltion/trackball.htm
Imagine a bowling ball, with a socket drilled out to accept the bottom
of a vertical. For permanent installation, make some sort of ring
for it to rest in. For field use, just set it in a depression in
the ground. Use guys. Get clever: put a little bullseye level in the
ball. Drilling out the socket is /not that hard to do/ although I have
never tried. BTW, telescope hobbyists have all kinds of swell ideas for
mounting things. A bowling ball weighs around 15 lbs, diameter ~8.5 in.
See https://en.wikipedia.org/wiki/Bowling_ball for the inside story.

Dave AB3NR

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conve
rsations/messages/33433;_ylc=X3oDMTJzcTQzZ2V1BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwS

WQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMwRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33433> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33422;_ylc=X3oDMTM4cnBuaWViBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMwRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDIy> All Messages (11) . Top ^

2.1

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33431;_ylc=X3oDMTJza3QwaDZ2BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMQRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> File - rules2.txt

Fri Aug 1, 2014 9:28 am (PDT) . Posted by:

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33431;_ylc=X3oDMTJzNmFlZ3NrBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMQRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33431> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/12267;_ylc=X3oDMTM4Nzh0OWx0BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzMQRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzEyMjY3> All Messages (59) . Top ^

3a

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMTJzcWRkZjEyBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNARzZW

MDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> "from:" column

Fri Aug 1, 2014 3:42 pm (PDT) . Posted by:

dchamguy@...

When I receive an email from these two groups in .....yahoogroups. com, all that shows in the "from" column is "Name, From" with no ID as to the sender. I can tell where it is coming from as the subject line shows what group it came from. Very annoying. Most other groups show the senders name.
Any ideas?
Dale K8TS

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33434;_ylc=X3oDMTJzbmlyZWJzBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNARzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33434> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMTM4YzhjN3NrBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNARzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM0> All Messages (3) . Top ^

3b

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33435;_ylc=X3oDMTJzM2Vhc28wBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNQRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: "from:" column

Fri Aug 1, 2014 3:50 pm (PDT) . Posted by:

"Artek Manuals" nr1dx@...

The moderator can change that ..but a recent "dumbdate" ("Update" and
Yahoo in the same sentence no longer makes sense) but the default is no
name...most of the groups I belong to are still set at no name :-(
Dave
NR1DX

On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
>
> When I receive an email from these two groups in
> .....yahoogroups.com, all that shows in the "from" column is "Name,
> From" with no ID as to the sender. I can tell where it is coming from
> as the subject line shows what group it came from. Very annoying.
> Most other groups show the senders name.
> Any ideas?
> Dale K8TS
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33435;_ylc=X3oDMTJzaWQ3bHFiBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNQRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33435> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMTM4bzdnbXUyBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNQRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM0> All Messages (3) . Top ^

3c

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33436;_ylc=X3oDMTJzNzFhdnVqBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNgRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: "from:" column

Fri Aug 1, 2014 4:43 pm (PDT) . Posted by:

"Chuck Schultz" wq5b

It is not so bad here as most are proud of & use their ham calls to
identify .....Chuck Wq5B
On 8/1/2014 5:49 PM, Artek Manuals nr1dx@... [ham-antennas] wrote:
>
> The moderator can change that ..but a recent "dumbdate" ("Update" and
> Yahoo in the same sentence no longer makes sense) but the default is
> no name...most of the groups I belong to are still set at no name :-(
> Dave
> NR1DX
>
> On 8/1/2014 5:42 PM, dalecole3502@... [ham-antennas] wrote:
>>
>> When I receive an email from these two groups in
>> .....yahoogroups.com, all that shows in the "from" column is "Name,
>> From" with no ID as to the sender. I can tell where it is coming from
>> as the subject line shows what group it came from. Very annoying.
>> Most other groups show the senders name.
>> Any ideas?
>> Dale K8TS
>
>
> --
> Dave
> Manuals@...
> www.ArtekManuals.com
>
>
> ----------
> <http://www.avast.com/> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus

> <http://www.avast.com/> <http://www.avast.com/> protection is active.
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33436;_ylc=X3oDMTJzaDFhYjl1BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNgRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33436> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33434;_ylc=X3oDMTM4YzF1ZjE4BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNgRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM0> All Messages (3) . Top ^

4a

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMTJzbjhydnNsBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNwRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Problem Solved

Fri Aug 1, 2014 6:11 pm (PDT) . Posted by:

"Richard Schmuke" richdjschmuke

After beating my head on a rock for a few days and trying to get my MFJ-259B
to give me good readings on my 30M vertical, I rechecked it to a known good
50ohm calibration load, OK thru the whole range, checked out my 160M loop on
all bands , checked out my NA4RR hex beam on its bands. No problem, all good
with the MFJ-259B. Went back to my vertical, and who can't build a mono-band
vertical? I have made several, all different bands. The 30M vert is bad. I
then took the advice of those wiser than me and got out my 35 year old Swan
SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does
not like to operate on 10 Mhz in the middle of Missouri, must be a defect in
the grey matter. That is the grey matter caused at the solder joints for not
using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33437;_ylc=X3oDMTJzYjlxMG5wBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNwRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33437> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMTM4NGMzaTFxBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzNwRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM3> All Messages (4) . Top ^

4b

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33438;_ylc=X3oDMTJzM2JoZWduBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOARzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Problem Solved

Fri Aug 1, 2014 6:17 pm (PDT) . Posted by:

"Dave" dew0dr

Hi Richard Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna I put a 6 M Ringo in place of an inverted J-Pole and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do 73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com
[mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who cant build a mono-band vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

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Rich, Kd0zz

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33438;_ylc=X3oDMTJzZnJsMGl2BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOARzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33438> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMTM4YmpsMzdlBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOARzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM3> All Messages (4) . Top ^

4c

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33439;_ylc=X3oDMTJzM2ZiaHNvBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOQRzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Problem Solved

Fri Aug 1, 2014 6:26 pm (PDT) . Posted by:

"Mike" seth_otherpower

Or WWV ... ??
On 08/01/2014 06:11 PM, 'Richard Schmuke' rdj@...
[ham-antennas] wrote:
>
> After beating my head on a rock for a few days and trying to get my
> MFJ-259B to give me good readings on my 30M vertical, I rechecked it
> to a known good 50ohm calibration load, OK thru the whole range,
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>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
> Rich, Kd0zz
>
>

--
Mike KC7NOA

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33439;_ylc=X3oDMTJzZnI5ZG5rBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOQRzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33439> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMTM4djI4Z3VqBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQzOQRzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM3> All Messages (4) . Top ^

4d

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33440;_ylc=X3oDMTJzcW1vZjZkBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQ0MARzZWMDZG1zZwRzbGsDdm1zZwRzdGltZQMxNDA2OTQ2MzMw> Re: Problem Solved

Fri Aug 1, 2014 7:25 pm (PDT) . Posted by:

"Richard Schmuke" richdjschmuke

I do my best for K2HT, got him to use LOtW and computer logging, he likes my MFJ-259B so much he got one. He and I conversed several times the last few days about my antenna problem. He is one of the finest but dont let him know I said that, dont want him to get a big head, hihi. The MFJ-259 has been a great help until this antenna.

ZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:18 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Problem Solved

Hi Richard Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna I put a 6 M Ringo in place of an inverted J-Pole and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do 73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who cant build a mono-band vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

Reply to sender . Reply to group . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/33440;_ylc=X3oDMTJzZWtscnZ0BF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQ0MARzZWMDZG1zZwRzbGsDcnBseQRzdGltZQMxNDA2OTQ2MzMw?act=reply&messageNum=33440> Reply via Web Post . <https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/33437;_ylc=X3oDMTM4MGFoYnVoBF9TAzk3MzU5NzE1BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzMzQ0MARzZWMDZG1zZwRzbGsDdnRwYwRzdGltZQMxNDA2OTQ2MzMwBHRwY0lkAzMzNDM3> All Messages (4) . Top ^

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[Non-text portions of this message have been removed]

33450. Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 15:32:06 UTC
From: soona4sail@...
Topic: 33450 Message: 33450

I have always used stranded wire for transmitting and receiving, and it has worked very well. I

However, with that said, I always use insulated stranded copper wire, and make sure any exposed copper strands, are is completely weatherproofed, either with shrink tubing, liquid electrical tape or both. The worst enemy of stranded copper wire, is moisture, salty air, and all the other elements of nature. Corrosion will build in very quickly.

On the plus side, stranded copper wire has more surface area, and as electrical currents like to flow on the outside of a conductor, it makes sense that stranded copper wire, may be more efficient than solid...or so my Elmer tells me!!

73 John VE7MTW

33451. Re: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-02 20:53:53 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33437 Message: 33451

If the AM station is directional (and a huge percentage are) - and if that signal is in your general direction.. even low power stations can put big signals out.

Example: WLCY was at the top of Tampa Bay - 5kw 3 tower directional at night. I had problems with them getting into my recording equipment at the Mahafey Theater in Downtown St Petersburg, at least 18 miles away. Despite good (CORRECT) cabling (pin 1 problem not present) -- and so on, I could hear that station while recording the orchestra unless I was VERY careful with grounds on the equipment I took in there. (I was doing digital recording back in the 80's..)

The problem: that 5kw was "aimed" over the very area I was in. And it was booming in more like a 50kw station. You may still be getting significant energy from the am that is 12 miles away.. and that vertical is the ideal antenna for capturing it.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, August 2, 2014 7:12 AM
Subject: RE: [ham-antennas] Problem Solved

Closest cell tower is 3.5 miles and AM broadcast is about 12 miles. Closest neighbor is half mile so I am lost except MFJ does not like 10Mhz.

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 10:20 PM
To: Ham Antennas
Subject: Re: [ham-antennas] Problem Solved

How close is your nearest Broadcast Band Transmitter ?? They can do a number on the MFJ

Analyzer.

73, Dick, W1KSZ

On Fri, Aug 1, 2014 at 7:25 PM, 'Richard Schmuke' rdj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I do my best for K2HT, got him to use LOtW and computer logging, he likes my MFJ-259B so much he got one. He and I conversed several times the last few days about my antenna problem. He is one of the finest but don’t let him know I said that, don’t want him to get a big head, hihi. The MFJ-259 has been a great help until this antenna.

ZZ

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:18 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Problem Solved

Hi Richard – Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna – I put a 6 M Ringo in place of an inverted J-Pole – and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do – 73 Dave / WØDR

try and keep K2HT inline up there

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 01, 2014 8:11 PM
To: Richard Schmuke
Subject: [ham-antennas] Problem Solved

After beating my head on a rock for a few days and trying to get my MFJ-259B to give me good readings on my 30M vertical, I rechecked it to a known good 50ohm calibration load, OK thru the whole range, checked out my 160M loop on all bands , checked out my NA4RR hex beam on its bands. No problem, all good with the MFJ-259B. Went back to my vertical, and who can't build a mono-band vertical? I have made several, all different bands. The 30M vert is bad. I then took the advice of those wiser than me and got out my 35 year old Swan SWR meter. Gee the Swan likes the antenna as does my radio. MFJ-259B does not like to operate on 10 Mhz in the middle of Missouri, must be a defect in the grey matter. That is the grey matter caused at the solder joints for not using lead any more, no personal defective grey matter that I can remember.

The above post can be fictional, hypothetical, or downright nonsensical.

Rich, Kd0zz

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

Posted by: "Richard Schmuke" <rdj@...>

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33452. Re: [ham-antennas] End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 00:25:28 UTC
From: emrops@...
Topic: 33409 Message: 33452

Kieth, You are correct, If I did not have the obligation mentioned, I'd be spending all of my time building antennas.

If that were the case right now, I'd be spending my time building and no time on the air.

Thanks.

ROGER~
KD2CRS

33453. Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 02:14:42 UTC
From: k2dfc@...
Topic: 33450 Message: 33453

More efficient in what way?

K2DFC

33454. Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 04:57:37 UTC
From: soona4sail@...
Topic: 33450 Message: 33454

The difference between solid wire and stranded wire efficiency would be almost immeasurable. I only mention it to emphasize the point that most electrical activity happens on the surface of the conductor. Many strands of wire have more surface area than a single solid wire.....and thus may carry more current.

By far the best part of stranded wire, to me, has been its supple nature, and ease to work with. It is simple to handle, easy to rollup (field day ops), and performs well as both a receiving and transmitting antenna.

73 John

33455. AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 09:10:42 UTC
From: siegfried jackstien
Topic: 33447 Message: 33455

I also have a very handy analyzer ... kc901h

From 100kc up to 3 gig!!!

Graphical display with direct readout

2 port analyzer (so can also be used for filters/duplexers)

And ... does NOT cost an arm and a leg like similar devices from agilent/hp/whatever

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 2. August 2014 14:34
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] MFJ Analizer
>
>
>
> Good information Art, I find the MFJ is handy for me and the price was
> affordable. This experience working with 10Mhz was something new. My
> analyzer seems to be OK on all the other bands. The closest AM station
> tower
> is low power and about 12 miles away.
>
> I find batteries in a large pack from Costco a good value, everything
> takes
> AA's.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Saturday, August 02, 2014 8:58 AM
> To: 'Richard Schmuke' rdj@wildblue.net [ham-antennas]
> Subject: [ham-antennas] MFJ Analizer
>
> Hi Richard
> Years ago I lived 20 miles from WLS am tower between my house and the TX
> tower, there were interstate power lines that were between my house and
> the
> tx tower I think the distance from the WLS tower was about a mile as was

> the
> distance my house was from the power lines to my antenna.
> WLS .890am clear channel signal would hitch a ride on the interstate power
> lines 20 miles from the tower and over powering the car radio when driving
> under them. When the interstate power line insulators were changed out
> after
> so many years of service a lot of QRN was eliminated.
>
> When I tried to use my MFJ analyzer on my 40 /160 & 80 twin element 1/2
> sloper it worked ok on all frequency's but 160 meter I would see the meter
> if attenuated enough bouncing to the broadcast signal peaks,
> when not attenuated the MFJ meter was just pegged.
>
> The solution was a ICE broad cast band filter (model 402x) 1.8 -30 Mhz
> (300
> w) 50 ohm Non-Polar Non-DC Passive.....Contest guys use this filter it
> will keep everything out below and above.
> MFJ used to sell a coil kit you put on the analyzer I have one somewhere
> but never used it.
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> I found the FET that runs the MFJ to be (very sensitive to RF) any RF, if
> the analyzer was on the table next to the amp it would fry, and it needing
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> trip to Starkville MS for a $60 repair, this happened twice the first time
> it was connected to a Alpha Delta coax switch but not switched in line,
> the
> second time just sitting near the Command Amp..... not connected via coax
> at all and not even on..... another $60 dollar trip to Starkville.
>
> This is a very useful tool but has its faults, now I keep it in the closet
> ten feet away from the station equipment, and many years later its still
> working just don't let alkaline batteries in it for a long time they will
> corrode.
>
> Regards
> Art
> ka9zap
>
> [Non-text portions of this message have been removed]
>
>
>
>

33456. Re: Digest Number 3610/ Stranded??

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 10:29:08 UTC
From: Graham
Topic: 33442 Message: 33456

Please trim your reply posts - on digest mode it makes for many many many many ..... extra computer screens to have to scroll through to get to the next message. It is consider correct netiquette to trim post but all for the barest of relevant previous post.

thanks,
Graham
ZL3TV

33457. Re: [ham-antennas] Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 14:25:26 UTC
From: Keith Heimbold
Topic: 33437 Message: 33457

Back when I had a small antenna farm...My MFJ 259B would not work at all on 160m and I almost took my 1/4 reduced sloper down though both my SPE 1k and K3 had no issues with it. Running K3 EZ program on the 160m antenna showed tuned at bottom of band on 160 at near 1:1 and on MFJ 259B pegged at >25:1. At the time I lived a few miles from Tijuana in Imperial beach area and there are some massive AM broadcast stations just across the border. Glad to know the answer to my issue now. Thanks for this thread and knowledgeable hams on it.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Aug 1, 2014, at 6:17 PM, "'Dave' w0dr@charter.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hi Richard – Same problem here except mine did not like 52.525 mhz. I changed an antenna at 160 feet because it complained about it and I think the one I removed was the better antenna – I put a 6 M Ringo in place of an inverted J-Pole – and that was the wrong thing to do (maybe) trusting the 259 was the wrong thing to do – 73 Dave / WØDR
>
>
>
> try and keep K2HT inline up there
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 01, 2014 8:11 PM
> To: Richard Schmuke
> Subject: [ham-antennas] Problem Solved
>
>
>
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>
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>

>
>
> The above post can be fictional, hypothetical, or downright nonsensical.
>
>
>
> Rich, Kd0zz
>
>
>
>
>

33458. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 17:50:54 UTC
From: Timothy-Allen Albertson
Topic: 33450 Message: 33458

im wont to answer questions with another question:

a car battery carries a lot of current, especially in cranking the starter-
has anyone every seen solid battery leads on a motor vehicle? Im
pushing 60, been around a few cars mostly 5th owners and I cant
recall, having seen that

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sat, Aug 2, 2014 at 11:57 PM, soona4sail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> The difference between solid wire and stranded wire efficiency would be
> almost immeasurable. I only mention it to emphasize the point that most
> electrical activity happens on the surface of the conductor. Many strands
> of wire have more surface area than a single solid wire.....and thus may
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> By far the best part of stranded wire, to me, has been its supple nature,
> and ease to work with. It is simple to handle, easy to rollup (field day
> ops), and performs well as both a receiving and transmitting antenna.
>
> 73 John
>
>
>

33459. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 19:31:54 UTC
From: Kenneth G. Gordon
Topic: 33450 Message: 33459

On 3 Aug 2014 at 12:50, Timothy-Allen Albertson kd0oia@... wrote:

>
>
> im wont to answer questions with another question:
>
> a car battery carries a lot of current, especially in cranking the starter- has
> anyone every seen solid battery leads on a motor vehicle?

Since they are at least 1/2" in diameter, you could not bend a solid one, and vibration would very soon break them.

Ken W7EKB

33460. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 19:32:39 UTC
From: Kenneth G. Gordon
Topic: 33450 Message: 33460

On 3 Aug 2014 at 12:50, Timothy-Allen Albertson kd0oia@... wrote:

> im wont to answer questions with another question:
>
> a car battery carries a lot of current, especially in cranking the starter- has
> anyone every seen solid battery leads on a motor vehicle?

Same thing goes for welding cables: ever seen solid ones? No, and for the
same reasons...

Ken W7EKB

33461. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 19:33:58 UTC
From: Timothy-Allen Albertson
Topic: 33450 Message: 33461

true---but they also would not conduct the amps the stranded cables do

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Aug 3, 2014 at 2:31 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 3 Aug 2014 at 12:50, Timothy-Allen Albertson kd0oia@... wrote:
>
> >
> >
> > im wont to answer questions with another question:
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>
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> vibration would very soon break them.
>
> Ken W7EKB
>
>
>

33462. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:04:36 UTC
From: Walt Wilson
Topic: 33447 Message: 33462

$979.00 dollars US is not less than an arm and a leg

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, August 03, 2014 5:10 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] MFJ Analizer

I also have a very handy analyzer ... kc901h

From 100kc up to 3 gig!!!

Graphical display with direct readout

2 port analyzer (so can also be used for filters/duplexers)

And ... does NOT cost an arm and a leg like similar devices from
agilent/hp/whatever

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 2. August 2014 14:34
> An: ham-antennas@yahoogroups.com
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> I find batteries in a large pack from Costco a good value, everything
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>
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>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Saturday, August 02, 2014 8:58 AM
> To: 'Richard Schmuke' rdj@... [ham-antennas]

> Subject: [ham-antennas] MFJ Analizer
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> Hi Richard
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> tower, there were interstate power lines that were between my house and
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>
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> when not attenuated the MFJ meter was just pegged.
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> MFJ used to sell a coil kit you put on the analyzer I have one somewhere
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> the analyzer was on the table next to the amp it would fry, and it needing
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> trip to Starkville MS for a $60 repair, this happened twice the first time
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> second time just sitting near the Command Amp..... not connected via coax
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> This is a very useful tool but has its faults, now I keep it in the closet
> ten feet away from the station equipment, and many years later its still
> working just don't let alkaline batteries in it for a long time they will
> corrode.
>
> Regards
> Art
> ka9zap
>
> [Non-text portions of this message have been removed]
>
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4744 / Virus Database: 3986/7973 - Release Date: 08/03/14

33463. Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:20:30 UTC
From: k2dfc@...
Topic: 33450 Message: 33463

I agree, stranded wire is easier to work with for antennas. Beyond that it would have no effect on it's transmitting or receiving capabilities.

I'm amazed at how much we over analyze everything today. When I got into the hobby we found wire and made antennas. Put them up and worked the world. Now we have to worry about all kind of things we never even thought about. We actually made antennas without modeling software or antenna analyzers. And it was before personal computers and Internet forums.
K2DFC

33464. Wire Antennas and the Weather

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:26:40 UTC
From: soona4sail@...
Topic: 33464 Message: 33464

Good comments coming back on stranded wire.

The most important thing you can do for any antenna, especially stranded wire antennas, coax braid etc, is to protect it from the elements, ESPECIALLY water. Worse still, is salty air blowing in from the ocean.

Once water gets into stranded wire, coax braid, aluminum slip joints, the corrosion process begins.Copper greens, aluminum powders.....braid in coax will suck up water like a paper towel.

Bottom line, keep a good supply of shrink tubing (buy it in 4 ft lengths from a good quality auto parts store...much cheaper than those little packets from the box store) . I always have a can of liquid electrical tape on hand as well. Use it liberally. Cheap preventive maintenance.

Electrical tapes are ok, but invariably the water gets under the windings, loosens the glue and the tape comes loose. Not a good plan when its, 50 ft up your tower.

Do whatever you can do, to keep moisture out of your stranded wire (I use insulated wire for my antennas), your pl259 connectors, your coax, your traps, your baluns., your aluminum tubing slip joints....and any other parts of your antenna you can think of.

73 John VE7MTW

33465. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:32:16 UTC
From: Joe
Topic: 33450 Message: 33465
Attachments: 1 described; binary payloads are missing from this source WARC

This all started when someone was giving advice to someone about an antenna, and also mentioned that they should not use stranded wire. And thus the question of why not was asked, but never answered.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/3/2014 4:20 PM, k2dfc@... [ham-antennas] wrote:
>
>
> I agree, stranded wire is easier to work with for antennas. Beyond
> that it would have no effect on it's transmitting or receiving
> capabilities.
>
> I'm amazed at how much we over analyze everything today. When I got
> into the hobby we found wire and made antennas. Put them up and worked
> the world. Now we have to worry about all kind of things we never even
> thought about. We actually made antennas without modeling software or
> antenna analyzers. And it was before personal computers and Internet
> forums.
> K2DFC
>
>

33466. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:32:49 UTC
From: Original Woodchuck
Topic: 33447 Message: 33466

On Sun, Aug 03, 2014 at 05:04:36PM -0400, 'Walt Wilson' WWILSON@... [ham-antennas] wrote:
> $979.00 dollars US is not less than an arm and a leg

Yeah, but it's cheaper than a kidney!

List price of the latest MFJ analyzers are creeping upwards, though.
Well over $300 these days. Amazing.

Dave AB3NR

33467. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:49:08 UTC
From: Mike
Topic: 33447 Message: 33467

How long has mfj analyser been production?

On 08/03/2014 02:32 PM, Original Woodchuck marmota@...
[ham-antennas] wrote:
>
> On Sun, Aug 03, 2014 at 05:04:36PM -0400, 'Walt Wilson'
> WWILSON@... [ham-antennas] wrote:
> > $979.00 dollars US is not less than an arm and a leg
>
> Yeah, but it's cheaper than a kidney!
>
> List price of the latest MFJ analyzers are creeping upwards, though.
> Well over $300 these days. Amazing.
>
> Dave AB3NR
>
>

--
Mike KC7NOA

33468. RE: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 21:49:37 UTC
From: John Murphy
Topic: 33450 Message: 33468

Frederick,

I agree. In the age before computers and the internet, we just grabbed the edition of the ARRL Handbook or ARRL Antenna Book that was available (yes even if it was 3, 4, 5, or 6 years old) read up on what we wanted to do, and then did it. Want put up a dipole …. well go to the (insert whichever book you had access to here), read about dipoles then put one up. And you are right, we didn't worry about whether we had stranded or solid wire, or whether we had to solder or if we could just wrap 500 pieces of wire end to end, and put it up and tried it. If it didn't work, we took it down and remade it and then tried it again, and repeated until it worked.

While I do understand the need of some of the newer hams to get all the information possible to avoid redoing what is thought about, sometimes the trying it and retrying it and repeating until it works like you want IS the learning process, and when it finally works you are proud because you went through that learning process.

When a friend of mine and I were in high school (1972) and got our first novice licenses, we cobbled together a station out of old TV and radio scraps that the repair shops were throwing away, and we eventually found that we learned much more, by doing and redoing and repeating until something worked.

Sometimes a person can overthink a project and it may be months or years (or never) when it gets done. I like Nike's slogan, "Just do it!". If it is antenna, just put it up and try it. If it works, great, if not then take down and rework it until you get it right.

Just my 0.02 worth.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio's

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, August 03, 2014 3:21 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Stranded Copper Wire for Transmitting

I agree, stranded wire is easier to work with for antennas. Beyond that it would have no effect on it's transmitting or receiving capabilities.

I'm amazed at how much we over analyze everything today. When I got into the hobby we found wire and made antennas. Put them up and worked the world. Now we have to worry about all kind of things we never even thought about. We actually made antennas without modeling software or antenna analyzers. And it was before personal computers and Internet forums.
K2DFC

33469. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 22:07:14 UTC
From: Original Woodchuck
Topic: 33447 Message: 33469

On Sun, Aug 03, 2014 at 02:49:08PM -0700, Mike Patriot121@... [ham-antennas] wrote:
> How long has mfj analyser been production?

This is hardly scientific, but the oldest review I found on eham
came from 2003, and the reviewer said he had had the unit "4-5 years",
so call that 1998, or 16 years minimum. In the world of electronics,
that works out to "since dinosaurs roamed the earth."

That's certainly long enough to have recovered their R&D costs, if that's
what you're driving at.

Maybe they can work out a way to cram a USB port into the case, and put
some useful data on it, and accept some useful commands. (And figure
out a battery door. There's plenty of existing technology they could
research for clues about how to make replaceable batteries replaceable
without tools and a clean room. I have some swell ideas on the subject,
having just glanced at a flashlight.)

Dave AB3NR

33470. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 22:58:51 UTC
From: Mike
Topic: 33447 Message: 33470

Im not wanting to be exact either .... but

I won one shortly after i became a ham .... and my call expires next
year ...

So in all this time .. it still cost the same or more?

On 08/03/2014 03:07 PM, Original Woodchuck marmota@...
[ham-antennas] wrote:
>
> On Sun, Aug 03, 2014 at 02:49:08PM -0700, Mike Patriot121@...
> [ham-antennas] wrote:
> > How long has mfj analyser been production?
>
> This is hardly scientific, but the oldest review I found on eham
> came from 2003, and the reviewer said he had had the unit "4-5 years",
> so call that 1998, or 16 years minimum. In the world of electronics,
> that works out to "since dinosaurs roamed the earth."
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> what you're driving at.
>
> Maybe they can work out a way to cram a USB port into the case, and put
> some useful data on it, and accept some useful commands. (And figure
> out a battery door. There's plenty of existing technology they could
> research for clues about how to make replaceable batteries replaceable
> without tools and a clean room. I have some swell ideas on the subject,
> having just glanced at a flashlight.)
>
> Dave AB3NR
>
>

--
Mike KC7NOA

33471. AW: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 23:02:47 UTC
From: siegfried jackstien
Topic: 33447 Message: 33471

Compare that with a professional analyzer from hp agilent etc ... and you know how expensive "an arm and a leg" is ...

You can measure not only antennas (like mfj 259 269) ... but also filters

It is a 2 port analyzer

Graphical display

Can be brought to antenna site (for the bigger professional devices you need a truck hi hi)

It is handy, accurate and for what it can do for you it is very cheap

Remember it has over 100db dynamic range!!! Even up to 3 gig!!!

Nwa3 goes up to 1.3 gig but dynamic goes down above 500 megs

And you need a pc with the nwa3!!

So ... for me it was a good buy from china :-)

As an example ... I have some uhf cavity filters (6 cavities in both ways so there are 12 cavities to tune)

With that analyzer it was very easy .... and I could get about 100-120 db damping of the unwanted signal ... with only 2 db inline loss

Without the big dynamic range of the kc901h such a thing is difficult to tune (nearly impossible with nwa3!!!)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 3. August 2014 21:05
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] MFJ Analizer
>
>
>
> $979.00 dollars US is not less than an arm and a leg
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Sunday, August 03, 2014 5:10 AM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] MFJ Analizer

>
>
>
> I also have a very handy analyzer ... kc901h
>
> From 100kc up to 3 gig!!!
>
> Graphical display with direct readout
>
> 2 port analyzer (so can also be used for filters/duplexers)
>
> And ... does NOT cost an arm and a leg like similar devices from
> agilent/hp/whatever
>
> Greetz
>
> Sigi
>
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Samstag, 2. August 2014 14:34
> > An: ham-antennas@yahoogroups.com
> > Betreff: RE: [ham-antennas] MFJ Analizer
> >
> >
> >
> > Good information Art, I find the MFJ is handy for me and the price was
> > affordable. This experience working with 10Mhz was something new. My
> > analyzer seems to be OK on all the other bands. The closest AM station
> > tower
> > is low power and about 12 miles away.
> >
> > I find batteries in a large pack from Costco a good value, everything
> > takes
> > AA's.
> >
> > Rich, Kd0zz
> >
> > From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Sent: Saturday, August 02, 2014 8:58 AM
> > To: 'Richard Schmuke' rdj@... [ham-antennas]
> > Subject: [ham-antennas] MFJ Analizer
> >
> > Hi Richard
> > Years ago I lived 20 miles from WLS am tower between my house and the TX
> > tower, there were interstate power lines that were between my house and
> > the
> > tx tower I think the distance from the WLS tower was about a mile as was

> > the
> > distance my house was from the power lines to my antenna.
> > WLS .890am clear channel signal would hitch a ride on the interstate
> power
> > lines 20 miles from the tower and over powering the car radio when
> driving
> > under them. When the interstate power line insulators were changed out
> > after
> > so many years of service a lot of QRN was eliminated.
> >
> > When I tried to use my MFJ analyzer on my 40 /160 & 80 twin element 1/2
> > sloper it worked ok on all frequency's but 160 meter I would see the
> meter
> > if attenuated enough bouncing to the broadcast signal peaks,
> > when not attenuated the MFJ meter was just pegged.
> >
> > The solution was a ICE broad cast band filter (model 402x) 1.8 -30 Mhz
> > (300
> > w) 50 ohm Non-Polar Non-DC Passive.....Contest guys use this filter it
> > will keep everything out below and above.
> > MFJ used to sell a coil kit you put on the analyzer I have one somewhere
> > but never used it.
> >
> > I found the FET that runs the MFJ to be (very sensitive to RF) any RF,
> if
> > the analyzer was on the table next to the amp it would fry, and it
> needing
> > a
> > trip to Starkville MS for a $60 repair, this happened twice the first
> time
> > it was connected to a Alpha Delta coax switch but not switched in line,
> > the
> > second time just sitting near the Command Amp..... not connected via
> coax
> > at all and not even on..... another $60 dollar trip to Starkville.
> >
> > This is a very useful tool but has its faults, now I keep it in the
> closet
> > ten feet away from the station equipment, and many years later its still
> > working just don't let alkaline batteries in it for a long time they
> will
> > corrode.
> >
> > Regards
> > Art
> > ka9zap
> >
> > [Non-text portions of this message have been removed]
> >
> >

> >
> >
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4744 / Virus Database: 3986/7973 - Release Date: 08/03/14
>
>

33472. Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-03 23:39:42 UTC
From: Jeffrey Lord
Topic: 33450 Message: 33472

The issue with single/ solid wire , is that it could have a tendency to work harden and break at the bends and solder joins
I have used stranded wire on all but 1 antenna , my wire comes from old extension leads , I have never had an issue with them or from the single wire(solid wire), so the argument is a little pointless
Use what you have available
Jeff
Vk4fnrs

Sent from my iPhone

33473. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 00:44:19 UTC
From: Gerald Bishop
Topic: 33447 Message: 33473

I got one from RS in 2000 de w8kq
----- Original Message -----
From: Mike Patriot121@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 03, 2014 6:58 PM
Subject: Re: AW: [ham-antennas] MFJ Analizer

Im not wanting to be exact either .... but

I won one shortly after i became a ham .... and my call expires next year ...

So in all this time .. it still cost the same or more?

On 08/03/2014 03:07 PM, Original Woodchuck marmota@... [ham-antennas] wrote:

On Sun, Aug 03, 2014 at 02:49:08PM -0700, Mike Patriot121@... [ham-antennas] wrote:
> How long has mfj analyser been production?

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came from 2003, and the reviewer said he had had the unit "4-5 years",
so call that 1998, or 16 years minimum. In the world of electronics,
that works out to "since dinosaurs roamed the earth."

That's certainly long enough to have recovered their R&D costs, if that's
what you're driving at.

Maybe they can work out a way to cram a USB port into the case, and put
some useful data on it, and accept some useful commands. (And figure
out a battery door. There's plenty of existing technology they could
research for clues about how to make replaceable batteries replaceable
without tools and a clean room. I have some swell ideas on the subject,
having just glanced at a flashlight.)

Dave AB3NR

--
Mike KC7NOA

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33474. Re: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 01:05:15 UTC
From: WVØH
Topic: 33450 Message: 33474

It kind of depends on how high the RF current density the antenna has. A short loaded vertical will need to have greater conductance whereas a halfwave dipole doesn't care too much about diameter or stranding. Heck I even ran the small gauge electric fence wire on my coax fed 80m dipole for years as a Novice, worked all the bands with 100-Watts. (Didn't know what mismatch loss was or how it gobbled up my power radiated).

So if we were to look at skin depth for a given frequency and set our depth of RF current density to say 5-skin depths, one could use 27 gauge at 3.5 MHz in copper for a half wave dipole. 5 skin depths at 3.5MHz is 6.88 mils (13.76 mils diameter=27 gauge), 5 skin depths at 7 MHz is 4.87 mils (9.74 mils diameter=30 gauge). I use #26 stranded wire for all of my field ops because it is lightweight and easily spools onto most anything and usually only get down to 40m.

Since Rac = Rdc at approximately 3-skin depths, the dominating resistive component is the DC resistance of the wire. Upon entering these gauges into EZNEC and push the analysis button on many dipole antennas I've modeled, once you get to 26 gauge wire for 80m and above, the gain difference that I can see is factions of a dB. I mean I put in #6 and #26 and see at most 0.7 dB for a dipole. The height above ground, ground conductivity, element orientation play a bigger role in overall gain than the wire size.

Another great resource is N7LF. He published a good read called "Conductors for HF Antennas".

Bottom Line: The amount of current density is the key to realizing if you need bigger wire or not. The shorter the antenna, the higher the current density.

Myron WVØH
Printed on Recycled Data

> On Aug 3, 2014, at 5:39 PM, "Jeffrey Lord jc_2aussie@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> The issue with single/ solid wire , is that it could have a tendency to work harden and break at the bends and solder joins
> I have used stranded wire on all but 1 antenna , my wire comes from old extension leads , I have never had an issue with them or from the single wire(solid wire), so the argument is a little pointless
> Use what you have available
> Jeff
> Vk4fnrs
>
> Sent from my iPhone
>
>

33475. Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 02:34:23 UTC
From: p_chap@...
Topic: 33475 Message: 33475

Where I live RFI should not be part of the equation, but it is S9 plus 10 on the fourty meter antenna. Today I have been unplugging all suspects from the dozen plus UPS units in the house and unplugging them as well.

One of the sources moved out of the neighborhood, a plasma TV with a modulating machine gun. I think the other one might be me for a couple of reasons. The problem is mainly 40 meters on a dipole. The coax for that antenna lays on the roof, only 5-8 feet from the main wiring bundle going to the two 200 amp breaker panels. The antenna with center insulator and balun is clear of the roof at least 15 ft or so. The 20 meter antenna does not lay on the roof, but is in clear space, coax and all.

Whacked my back out of joint and will be a few days before I trust myself on a ladder again so searching for helping thoughts.

Assuming that we are all familiar that an antenna resonant is going to receive better than one that is not, lets go from there. The 20 dipole on 40 is quite a few db down of course, but no machine gun fire in and out. A little bit of the buzz pulsing, but at a S2-S3 level and I can see signals popping easily and good read to S9.

On 40 with the 40 dipole, When the noise is present 75 percent of the time it is a steady dead on s9 plus 10 and everything competes with that. I can switch to the 20 dipole and have clarity for SWL, yet lose them in the rapid fire on the 40 dipole.

Logic tells me to get the coax further away from the wiring bundle going to the panels.....comments???? or other ideas would be welcome.....

33476. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 02:41:32 UTC
From: Kenneth G. Gordon
Topic: 33475 Message: 33476

On 3 Aug 2014 at 19:34, p_chap@... [ham-antennas] wrote:

> Logic tells me to get the coax further away from the wiring bundle going to the
> panels.....comments???? or other ideas would be welcome.....

The very first thing **I** do in similar situations is, 1) connect my rig to a battery, and then 2) kill the main breaker to the house.

This permits me to know whether the noise is coming from my own home or from something external to it.

Most modern rigs will run at least the receiver from a 12 volt car battery. My borrowed FT-890 sure does.

If I find that the noise IS from my own residence, then battery-powering the receiver, while turning off the breakers one by one will often isolate the noise to a particular branch circuit.

If the noise turns out to be OUTSIDE the home, then more drastic measures are called for.

In my case here, I have a constant, 24/7/365 10 to 20 db over S-9 noise level on 80 meters which is NOT coming from my home.

Ken W7EKB

33477. Re: Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 02:53:01 UTC
From: v32hoosier@...
Topic: 33475 Message: 33477

Since the RFI is worse on the 40M antenna, which is closer to the house, I would still suspect there is something in your house causing RFI on the 110VAC wiring which is coupling to your 40M antenna. Other than UPSs and plasma TVs, some other likely culprits to check are halogen lights (sometimes used in kitchens) (the power converters can create nasty noise), flourescent lighting, grow lamp controllers, and light dimmers.

If you have a way to run your rig/receiver off a battery (or generator) for the short periods of time needed for RFI testing, you can start pulling breakers.

Good luck and keep us posted!

73,
Bob, KC9UR

33478. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 02:53:24 UTC
From: Andy
Topic: 33475 Message: 33478

I noticed the inclusion of "UPS units" in your description. I have no personal experience with them, but of course they have inverters that might generate lots of power line RFI on their outputs. Don't know if that RF stuff radiates, or if it can get back into the power mains.

Have you considered adding a balun or isolator in the coax line, in the shack? I'm trying to think how RF would get from the power lines into the coax, other than as a current on the outside of the shield. A balun might break that path.

Regards,
Andy

33479. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 11:14:17 UTC
From: David Cole
Topic: 33475 Message: 33479

Hi,
I have a short write up on removing RFI from my shack. Part I is here:
http://nk7z.net/rfi-now/
and Part II is here:
http://nk7z.net/rfi-now-house-cleaning/

Both cover how I removed most of my RFI from the shack...

I don't have a Plasma TV though... Good luck with that one...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-08-03 at 19:34 -0700, p_chap@... [ham-antennas]
wrote:
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>
> Where I live RFI should not be part of the equation, but it is S9 plus
> 10 on the fourty meter antenna. Today I have been unplugging all
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> them as well.
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>
> One of the sources moved out of the neighborhood, a plasma TV with a
> modulating machine gun. I think the other one might be me for a couple
> of reasons. The problem is mainly 40 meters on a dipole. The coax for
> that antenna lays on the roof, only 5-8 feet from the main wiring
> bundle going to the two 200 amp breaker panels. The antenna with
> center insulator and balun is clear of the roof at least 15 ft or so.
> The 20 meter antenna does not lay on the roof, but is in clear space,
> coax and all.
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> Whacked my back out of joint and will be a few days before I trust
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>
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> receive better than one that is not, lets go from there. The 20 dipole
> on 40 is quite a few db down of course, but no machine gun fire in and
> out. A little bit of the buzz pulsing, but at a S2-S3 level and I can
> see signals popping easily and good read to S9.
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> time it is a steady dead on s9 plus 10 and everything competes with
> that. I can switch to the 20 dipole and have clarity for SWL, yet lose
> them in the rapid fire on the 40 dipole.
>
>
> Logic tells me to get the coax further away from the wiring bundle
> going to the panels.....comments???? or other ideas would be
> welcome.....
>
>
>
>
>

33480. Re: [ham-antennas] Re: Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 14:01:12 UTC
From: Gerald Bishop
Topic: 33475 Message: 33480

Router hash will show on 40 mtrs as a 120 hz multi burst. No doogo ,at least. Got new router and went away. ON 80 mtrs ,found a cable phone modem really bad,changed out and now clear !! De w8kq
----- Original Message -----
From: v32hoosier@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Sunday, August 03, 2014 10:53 PM
Subject: [ham-antennas] Re: Coax vs RFI ?

Since the RFI is worse on the 40M antenna, which is closer to the house, I would still suspect there is something in your house causing RFI on the 110VAC wiring which is coupling to your 40M antenna. Other than UPSs and plasma TVs, some other likely culprits to check are halogen lights (sometimes used in kitchens) (the power converters can create nasty noise), flourescent lighting, grow lamp controllers, and light dimmers.

If you have a way to run your rig/receiver off a battery (or generator) for the short periods of time needed for RFI testing, you can start pulling breakers.

Good luck and keep us posted!

73,
Bob, KC9UR

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33481. RE: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 15:13:42 UTC
From: Scott Myers
Topic: 33475 Message: 33481

Very nice articles. I need to build a loop for 80M as I have some local noise that I cannot find that I have determined isn't in the house. Thanks for sharing!

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, August 04, 2014 7:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax vs RFI ?

Hi,
I have a short write up on removing RFI from my shack. Part I is here:
http://nk7z.net/rfi-now/
and Part II is here:
http://nk7z.net/rfi-now-house-cleaning/

Both cover how I removed most of my RFI from the shack...

I don't have a Plasma TV though... Good luck with that one...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-08-03 at 19:34 -0700, p_chap@... [ham-antennas]
wrote:
>
>
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> Logic tells me to get the coax further away from the wiring bundle
> going to the panels.....comments???? or other ideas would be
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33482. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 16:13:02 UTC
From: David Cole
Topic: 33475 Message: 33482

Thank you!
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Mon, 2014-08-04 at 11:13 -0400, 'Scott Myers' ac8de@...
[ham-antennas] wrote:
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> Very nice articles. I need to build a loop for 80M as I have some
> local noise that I cannot find that I have determined isn't in the
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>
> Scott AC8DE
>
>
>
> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]
> Sent: Monday, August 04, 2014 7:14 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Coax vs RFI ?
>
>
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33483. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 16:29:10 UTC
From: David Cole
Topic: 33475 Message: 33483

Hi Scott,
Part III will be on building and using loops to locate external RFI.
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
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On Mon, 2014-08-04 at 11:13 -0400, 'Scott Myers' ac8de@...
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> From: ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]
> Sent: Monday, August 04, 2014 7:14 AM
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> Subject: Re: [ham-antennas] Coax vs RFI ?
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33484. RE: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 17:43:03 UTC
From: Scott Myers
Topic: 33475 Message: 33484

Well... Chop, Chop! ;-)

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, August 04, 2014 12:29 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Coax vs RFI ?

Hi Scott,
Part III will be on building and using loops to locate external RFI.
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33485. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 17:55:53 UTC
From: David Cole
Topic: 33475 Message: 33485

You and I have the same humor... :)
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On Mon, 2014-08-04 at 13:43 -0400, 'Scott Myers' ac8de@...
[ham-antennas] wrote:
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> Well... Chop, Chop! ;-)
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33486. [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 18:05:27 UTC
From: Geoff NW7GM
Topic: 33475 Message: 33486

Some UPSs create a 'modified sine wave' (using a PWM signal) instead of a true sine wave. This PWM signal usually isn't very clean and can create RFI.

On Sunday, August 3, 2014, Andy ai.egrps@...
<javascript:_e(%7B%7D,'cvml','ai.egrps@...');> [ham-antennas] <
ham-antennas@...m
<javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:

>
>
> I noticed the inclusion of "UPS units" in your description. I have no
> personal experience with them, but of course they have inverters that might
> generate lots of power line RFI on their outputs. Don't know if that RF
> stuff radiates, or if it can get back into the power mains.
>
> Have you considered adding a balun or isolator in the coax line, in the
> shack? I'm trying to think how RF would get from the power lines into the
> coax, other than as a current on the outside of the shield. A balun might
> break that path.
>
> Regards,
> Andy
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33487. Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-04 23:37:30 UTC
From: jeffreyclay@...
Topic: 33409 Message: 33487

I have quietly followed this thread with some surprise. I have an offset fed Dipole, for 10-80 meters, an end fed Dipole 6-80 meters

Is an "Offset dipole" the same as an Off-center Fed dipole?

33488. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 00:10:28 UTC
From: p_chap@...
Topic: 33475 Message: 33488

Thanks Andy: There is a Balun Designs 1113 used as the center insulator sealed properly etc except for the weep holes on the bottom of course. I have pretty much committed myself to leaving the coax where it is until the weekend whereas I can shut power down in the house and rule myself out. Do not have a spare 12 v battery, but have several dual battery UPS units with a 1250 va 850 watt capacity made by CyberPower and sold at Costco, LED display etc. So will report back on my progress after the weekend.

33489. RE: [ham-antennas] Re: End Fed Long wire Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 00:31:57 UTC
From: John Murphy
Topic: 33409 Message: 33489

Yes it is.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, August 04, 2014 5:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: End Fed Long wire Antennas

I have quietly followed this thread with some surprise. I have an offset fed Dipole, for 10-80 meters, an end fed Dipole 6-80 meters

Is an "Offset dipole" the same as an Off-center Fed dipole?

33490. Re: [ham-antennas] Coax vs RFI ?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 00:38:55 UTC
From: Andy
Topic: 33475 Message: 33490

"There is a Balun Designs 1113 used as the center insulator ..."

The balun at the antenna is good, but how about one at the shack end? If there is significant RF being coupled onto the outside of the coax shield, it might follow its way down into the shack. Putting a balun or isolator there would break up that path, which *might* help. I don't really know fur sure, I'm kind of guessing. But that seems like the most likely way for RF to be getting in, if it is doing it by way of that part of the feedline.

Andy

33491. unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 20:34:03 UTC
From: Ray, W4BYG
Topic: 33491 Message: 33491

I have a number of files which are on my computer which I do not recognize what program they are used with. They end with .ant.

I can guess what they are about by the names but I am unable to associate them with and executable. Does anyone know what program they go with?

Your attention is appreciated.
Ray, W4BYG

33492. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 21:34:14 UTC
From: Gary Brown
Topic: 33491 Message: 33492

.ANT SimAnt for Windows Saved Game File
SimAnt - Wikipedia, the free encyclopedia

From: "'Ray, W4BYG' w4byg@...t [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 5, 2014 4:34 PM
Subject: [ham-antennas] unknown antenna CAD files?

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files which are on my computer which I do not recognize what program they are
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Your attention is
appreciated.
Ray,
W4BYG

33493. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 21:41:36 UTC
From: Ronald Smith, Jr.
Topic: 33491 Message: 33493

How about http://www.nec2go.com/product.asp

Ron N2MSV

On 8/5/2014 5:34 PM, Gary Brown k4gpb@... [ham-antennas] wrote:

.ANT SimAnt for Windows Saved Game File

SimAnt - Wikipedia, the free encyclopedia (http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0CB8QFjAA&url=http%3A%2F%2Fen.wikipedia.org%2Fwiki%2FSimAnt&ei=pk3hU7aZB4WM7AbTwoDwCQ&usg=AFQjCNE9Ger15HZB8b3joyx8CnWi6yj3BQ&sig2=dK508TN3afMq1j36swJ5fg&bvm=bv.72197243,d.ZGU)

From: "'Ray, W4BYG' w4byg@... [ham-antennas]"
To: ham-antennas@yahoogroups.com
Sent: Tuesday, August 5, 2014 4:34 PM
Subject: [ham-antennas] unknown antenna CAD files?

I have a number of files which are on my computer which I do not recognize what program they are used with. They end with .ant.

I can guess what they are about by the names but I am unable to associate them with and executable. Does anyone know what program they go with?

Your attention is appreciated.

Ray, W4BYG

33494. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 22:44:59 UTC
From: Robert Cavanaugh
Topic: 33491 Message: 33494

Can you open the files in a text editor? If they are readable and contain rows of numbers and text, They could be MANNA-GAL or MININECPro input files. These are antenna analysis programs.

73,
Bob Cavanaugh - AG6YK

On Tuesday, August 5, 2014 2:48 PM, "'Ronald Smith, Jr.' rsmithjr6@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

How about http://www.nec2go.com/product.asp

Ron N2MSV

On 8/5/2014 5:34 PM, Gary Brown k4gpb@... [ham-antennas] wrote:

>
>.ANT SimAnt for Windows Saved Game File
>SimAnt - Wikipedia, the free encyclopedia
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>_____
> From: "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 5, 2014 4:34 PM
>Subject: [ham-antennas] unknown antenna CAD files?
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>Ray, W4BYG
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33495. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-05 23:01:42 UTC
From: WALTER FIPPS
Topic: 33491 Message: 33495

Take a look at radiomobile.pew1mew.nl, not sure maybe .

73
kd4ovr

Walter A. Fipps Jr.

On Tuesday, August 5, 2014 6:45 PM, "Robert Cavanaugh osianfion@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Can you open the files in a text editor? If they are readable and contain rows of numbers and text, They could be MANNA-GAL or MININECPro input files. These are antenna analysis programs.

73,
Bob Cavanaugh - AG6YK

On Tuesday, August 5, 2014 2:48 PM, "'Ronald Smith, Jr.' rsmithjr6@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

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> From: "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
>To: ham-antennas@yahoogroups.com
>Sent: Tuesday, August 5, 2014 4:34 PM
>Subject: [ham-antennas] unknown antenna CAD files?
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>Ray, W4BYG
>
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33496. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-06 04:58:26 UTC
From: Ron Youvan
Topic: 33491 Message: 33496

Hi 'Ray, W4BYG' w4byg@...:

> I have a number of files which are on my computer which I do not
> recognize what program they are used with. They end with .ant.
> I can guess what they are about by the names but I am unable to
> associate them with and executable. Does anyone know what program they
> go with?
> Your attention is appreciated.

No, but attempt to open them (a smaller one) with notepad or wordpad
or word and see what "writing" is inside of them. That may tell you.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33497. FILE EXTENTIONS: follow up to W4BYG's mystery .ANT files

Yahoo group: ham-antennas (2014)
Date: 2014-08-06 10:08:05 UTC
From: kb3svj@...
Topic: 33497 Message: 33497

In an effort to make the info easier to find for the current future Group users, I'm starting a new thread. When I saw Mr. La Rue's post regarding .ANT files, I had no idea as to what type of program they were assigned.

I went to one of my book marked sites that had a link to an extensive list of file extensions. I hope you all find this link of some benefit.

FILExt - The File Extension Source http://filext.com/

FILExt - The File Extension Source http://filext.com/ FILExt.com is the file extension source. Here you'll find a collection of file extensions; many linked to the programs that created the files. This is the FILExt home page.

View on filext.com http://filext.com/
Preview by Yahoo

Regards,
John KB3SVJ

33498. Re: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-06 12:27:00 UTC
From: WALTER FIPPS
Topic: 33491 Message: 33498

Correction the url should have read : radiomobile.pe1mew.nl

73
KD4OVR
Walter A. Fipps Jr.

On Tuesday, August 5, 2014 7:01 PM, WALTER FIPPS <wafipps@...> wrote:

Take a look at radiomobile.pew1mew.nl, not sure maybe .

73
kd4ovr

Walter A. Fipps Jr.

On Tuesday, August 5, 2014 6:45 PM, "Robert Cavanaugh osianfion@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Can you open the files in a text editor? If they are readable and contain rows of numbers and text, They could be MANNA-GAL or MININECPro input files. These are antenna analysis programs.

73,
Bob Cavanaugh - AG6YK

On Tuesday, August 5, 2014 2:48 PM, "'Ronald Smith, Jr.' rsmithjr6@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

How about http://www.nec2go.com/product.asp

Ron N2MSV

On 8/5/2014 5:34 PM, Gary Brown k4gpb@yahoo.com [ham-antennas] wrote:

>
>.ANT SimAnt for Windows Saved Game File
>SimAnt - Wikipedia, the free encyclopedia
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> From: "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
>To: ham-antennas@yahoogroups.com
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>Ray, W4BYG
>
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33499. RE: [ham-antennas] unknown antenna CAD files?

Yahoo group: ham-antennas (2014)
Date: 2014-08-06 12:40:09 UTC
From: Ray, W4BYG
Topic: 33491 Message: 33499

I appreciate the several responses to my query. It appears the .ant files go with NEC2Go.

73,
Ray, W4BYG

Kindness is the inability to remain at ease in the presence of another person who is ill at ease, the inability to remain comfortable in the presence of another who is uncomfortable, the inability to have peace of mind when one's neighbor is troubled... Samuel Holdenson

---

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, August 05, 2014 4:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] unknown antenna CAD files?

I have a number of files which are on my computer which I do not recognize what program they are used with. They end with .ant.

I can guess what they are about by the names but I am unable to associate them with and executable. Does anyone know what program they go with?

Your attention is appreciated.
Ray, W4BYG

33500. Final(?) 4-el 2m portable Yagi results - files posted

Yahoo group: ham-antennas (2014)
Date: 2014-08-06 18:09:06 UTC
From: rob@...
Topic: 33500 Message: 33500

I've posted in the files section a K6RGI-Yagi folder which contains: the MMANA-GAL geometry file: photos of construction details; and both modeled and measured impedance etc. The objective was a Yagi whose elements would fit inside the boom for transport, and which could be set up quickly with no tools. The boom is 1-1/4" Schedule 40 PVC, and elements are 6mm Al rod. The feedpoint uses screw-type butt connectors soldered to thin brass strips. A piece of 1/4" acrylic is epoxied through the boom and the butt connectors are zip-tied and epoxied to the acrylic. (This design was shamelessly taken from M0UKD's). It's fed directly with LMR240, and there's a 5-coil ugly balun about 4' from the end cap of the boom. I tried various hairpin match options, but all made it worse. Reflector and directors slide through the boom and are clipped in place with small hairpin-type cotters. I optimized in MMANA-GAL for forward gain and wideband SWR match on 2m, with no priority given to F/B or directionality. Results look pretty good. The model says on UHF it's got a very strange pattern (max gain is at ~45 degree elevation) and a lousy SWR (3.6 at 435). The analyzer (Array Solutions) says the SWR actually isn't too bad on UHF. Haven't tested it much there yet.

Thoughts for the future - I may put the choke balun on the boom and add a female BNC at the tail of the boom so the feedline can be disconnect. Also, 1-1/4" PVC is overkill for the boom. 3/4" (maybe even 1/2") would likely be rigid enough, but might require a different feedpoint design. I'm hoping to do some real-world comparisons vs. Elks and Arrows using a field strength meter. I suspect they're

Thanks to Sigi, Geoff, Bill and others who've helped me through my mistakes on design!
73 de Rob K6RGI

33501. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 04:28:55 UTC
From: jerrybosak@...
Topic: 33447 Message: 33501

10.7 MHz is the IF frequency for a FM radio.

You wouldn't need a broadcast radio station in the neighborhood to interfere with it, just a plain old pocket radio would suffice to create enough interference to cause you problems.,
This is the reason why the FAA does not allow you to carry on any ham radio FM handhelds onto a plane and the reason why they did not allow any electronic devices to be used while in flight for many years.

Today you can have practically anything except a transmitter.

33502. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 04:33:28 UTC
From: jerrybosak@...
Topic: 33447 Message: 33502

The alpha delta coax switch does not have enough separation to be able to use it to isolate a antenna analyzer from a transmitter.
I barely trust it between two radios on the same switch with the radios on either side of the switch.

33503. Antenna Switch Separation

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 10:33:21 UTC
From: Scott Myers
Topic: 33503 Message: 33503

I've often wondered about separation on antenna switches. I need to buy a new 4 port switch. I need either a desktop type with ports out the back or perhaps panel mount.

Alpha-Delta switches are well built. Other than Alpha Delta, there's MFJ, Diamond and Jetstream, but I suspect they are worse than Alpha-Delta and they do not have all ports out the back. I've got an old round panel mount B & W in a box, but it turns very stiffly and I haven't tested to see if it is any good. I'd need a larger diameter knob on it at a minimum.

Then there are the Hofi switches which are at a "slightly" different price point.

Of course I could always go with a remote switch, like and Array solutions Rat-Pack, and use it in the shack getting rid of the coax coming to the operation position.

Anyone done any testing on isolation on any of these witches?

Scott AC0DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, August 07, 2014 12:33 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

The alpha delta coax switch does not have enough separation to be able to use it to isolate a antenna analyzer from a transmitter.
I barely trust it between two radios on the same switch with the radios on either side of the switch.

33504. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 11:50:20 UTC
From: Timothy-Allen Albertson
Topic: 33447 Message: 33504

take a handheld on any aircraft and one will light up repeaters 100s of
miles away--i did that once
on a general aviation plane

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Wed, Aug 6, 2014 at 11:28 PM, jerrybosak@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> 10.7 MHz is the IF frequency for a FM radio.
>
> You wouldn't need a broadcast radio station in the neighborhood to
> interfere with it, just a plain old pocket radio would suffice to create
> enough interference to cause you problems.,
> This is the reason why the FAA does not allow you to carry on any ham
> radio FM handhelds onto a plane and the reason why they did not allow any
> electronic devices to be used while in flight for many years.
>
> Today you can have practically anything except a transmitter.
>
>

33505. Re: [ham-antennas] Antenna Switch Separation

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 13:07:26 UTC
From: WVØH
Topic: 33503 Message: 33505

Way back when I tested an MFJ, Alpha Delta, and an old B&W, the highest isolation from port to port was had in the opposite ends of the AD, then the MFJ, then the B&W. The highest isolation was in the neighborhood of 50-60 dB in the AD down to 20 dB in the B&W. So I use the AD on my VHF/UHF antennas, the MFJ on my 6m antennas, the B&W on my HF antennas.

Myron WVØH
Printed on Recycled Data

> On Aug 7, 2014, at 4:33 AM, "'Scott Myers' ac8de@ameritech.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I’ve often wondered about separation on antenna switches. I need to buy a new 4 port switch. I need either a desktop type with ports out the back or perhaps panel mount.
>
>
>
> Alpha-Delta switches are well built. Other than Alpha Delta, there’s MFJ, Diamond and Jetstream, but I suspect they are worse than Alpha-Delta and they do not have all ports out the back. I’ve got an old round panel mount B & W in a box, but it turns very stiffly and I haven’t tested to see if it is any good. I’d need a larger diameter knob on it at a minimum.
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> Then there are the Hofi switches which are at a “slightly” different price point.
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> Of course I could always go with a remote switch, like and Array solutions Rat-Pack, and use it in the shack getting rid of the coax coming to the operation position.
>
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> Anyone done any testing on isolation on any of these witches?
>
>
>
> Scott AC0DE
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Thursday, August 07, 2014 12:33 AM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] MFJ Analizer

>
>
>
>
>
> The alpha delta coax switch does not have enough separation to be able to use it to isolate a antenna analyzer from a transmitter.
> I barely trust it between two radios on the same switch with the radios on either side of the switch.
>
>
>

33506. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 13:08:15 UTC
From: WVØH
Topic: 33447 Message: 33506

Usually. But not always.

Myron WVØH
Printed on Recycled Data

> On Aug 6, 2014, at 10:28 PM, "jerrybosak@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> 10.7 MHz is the IF frequency for a FM radio.

33507. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 16:15:05 UTC
From: Andy
Topic: 33447 Message: 33507

'jerrybosak' wrote:

"10.7 MHz is the IF frequency for a FM radio.
You wouldn't need a broadcast radio station in the neighborhood to
interfere with it ..."

That's a good point.

On the other hand, it is my understanding that the MFJ 259/269 have a
wideband detector, so it doesn't need to be tuned to a band close to the
interfering signal, to be affected by it. So this might not explain why
Richard's MFJ-259B misbehaved only on 30 meters.

(Also if I remember right, some of his 259B's *calculations* seemed to be
off ... as in, the numbers for R, X, and SWR were not consistent with one
another. That doesn't make sense; seems more like a firmware error. Beats
me why it would be band-specific.)

"This is the reason why the FAA does not allow you to carry on any ham
radio FM handhelds onto a plane ..."

Indeed, they didn't allow even radio receivers (i.e. Walkman) to be turned
on, for this reason. Too much concern about the radiated IF at 10.7 MHz
and 455 kHz, and the latter is right in the middle of the aeronautical
beacon frequencies.

Regards,
Andy

33508. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 17:01:16 UTC
From: Mel Farrer
Topic: 33447 Message: 33508

One thing I might add. I have built up a set of impedance references. That is 25, 37.5, 50, 75 and 100 ohm resistive terminations. I also made up a tee where I can connect a reactance in parallel with the load. Again at the frequencies of interest, like 10 MHz. Not difficult to calculate and build up, but sure puts a cap on whether or not the analyzer is in calibration and giving me the appropriate data. Just a thought. No more questionable readings.

As a side note, last year I started using the FG-01 analyzer and the first one did not agree with the terminations with reactance, resistive terminations were fine. I put the analyzer into my HP8920 and found the 2nd harmonic was only down 6 dB. Sent it back and all is well now. Without the reactive termination, and the checking of the calibration, I would have had REALLY bad data.

I have checked several MFJ 259 units and the second is always >35 dB below the fundamental.

Mel, K6KBE

On Thursday, August 7, 2014 9:16 AM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

'jerrybosak' wrote:

"10.7 MHz is the IF frequency for a FM radio.
You wouldn't need a broadcast radio station in the neighborhood to interfere with it ..."

That's a good point.

On the other hand, it is my understanding that the MFJ 259/269 have a wideband detector, so it doesn't need to be tuned to a band close to the interfering signal, to be affected by it. So this might not explain why Richard's MFJ-259B misbehaved only on 30 meters.

(Also if I remember right, some of his 259B's *calculations* seemed to be off ... as in, the numbers for R, X, and SWR were not consistent with one another. That doesn't make sense; seems more like a firmware error. Beats me why it would be band-specific.)

"This is the reason why the FAA does not allow you to carry on any ham radio FM handhelds onto a plane ..."

Indeed, they didn't allow even radio receivers (i.e. Walkman) to be turned on, for this reason. Too much concern about the radiated IF at 10.7 MHz and 455 kHz, and the latter is right in the middle of the aeronautical beacon frequencies.

Regards,
Andy

33509. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 17:18:05 UTC
From: Richard Schmuke
Topic: 33447 Message: 33509

Gentlemen , I am still confused about my strange readings with my MFJ-259B on my 10MHz vertical. I was hoping someone else would have a similar problem at 10MHz.

I cannot afford to buy a different analyzer to check this one antenna, unless it was the XYL’s idea, hihi.

I have no other radio turned on when checking.

There is no other houses within a half mile of me

Low power, single vertical antenna FM station 12 miles away.

My Kenwood TS-590 is limited to ham bands only and I don’t want to open it.

With the small spread of less than 50 KHz it looks about the same.

It is good enough as it is today but it seem strange how great it was as a homemade 7Mhz antenna and shorting up the elements you can’t make it as good on 10Mhz

It is easy to confuse a old man, I am proof of that.

Rich, Kd0zz

33510. RE: [ham-antennas] Re: Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 17:40:25 UTC
From: k7abe@...
Topic: 33450 Message: 33510

I agree that wire is pretty much wire. I have roles of different kinds from garage sales yard sales and estate sales bought for less than scrap price. My 574 foot loop has 500 feet of stranded wire from an electronic dog fence and 74 feet of solid wire from something. both are insulated and tied together (36K20 Army style). It goes up and down a few times a year, for the last 6 or 7 years, for field day camping and such but spends most of its time on a spool where it is now. I've stopped worrying about it breaking from getting work hard. I think I noticed it getting a little bit work hard but I'm not sure because as I near 60 my steering wheel and wrenches are getting work hard too. I try to stick with copper wire because it is harder for me to guestimate the velocity factor difference in aluminum and stainless steel. I think what I'm trying to say here is don't sweat the small stuff you can have a lot of antenna for very little money If you're willing to put it up and down a few times to get it zeroed in. My total cost for the loop with 4:1 balun is under $7 (that kinda' feels like an arm but at least it's not an arm and a leg). And life sure got a lot easier with the MFJ 259. Abe

33511. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 17:42:38 UTC
From: jim burns
Topic: 33447 Message: 33511

The Alpha Delta coax switches have >60 dB isolation from port to port. All "unselected" positions are internally grounded.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, August 07, 2014 12:33 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

The alpha delta coax switch does not have enough separation to be able to use it to isolate a antenna analyzer from a transmitter.
I barely trust it between two radios on the same switch with the radios on either side of the switch.

33512. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 17:46:55 UTC
From: Gerald Bishop
Topic: 33447 Message: 33512

I have a MFJ- Can't say that I ever had a problem on 10meg . I use it to check all my ants and others. Mine does work ok. Some have said theirs doesn't ,but mine does. Got it in nov. 1999. Thought it was lying to me on 2 mtrs,but the Bird says its right on. Confuse away !!HI HII de Jerry W8KQ
----- Original Message -----
From: 'Richard Schmuke' rdj@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 07, 2014 1:18 PM
Subject: RE: [ham-antennas] MFJ Analizer

Gentlemen , I am still confused about my strange readings with my MFJ-259B on my 10MHz vertical. I was hoping someone else would have a similar problem at 10MHz.

I cannot afford to buy a different analyzer to check this one antenna, unless it was the XYL’s idea, hihi.

I have no other radio turned on when checking.

There is no other houses within a half mile of me

Low power, single vertical antenna FM station 12 miles away.

My Kenwood TS-590 is limited to ham bands only and I don’t want to open it.

With the small spread of less than 50 KHz it looks about the same.

It is good enough as it is today but it seem strange how great it was as a homemade 7Mhz antenna and shorting up the elements you can’t make it as good on 10Mhz

It is easy to confuse a old man, I am proof of that.

Rich, Kd0zz

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33513. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 18:09:40 UTC
From: Don Sanders
Topic: 33447 Message: 33513

Richard, seems to me you are near 10 Mhz WWV and with a 10 Mhz antenna you are possibly getting overload from them. Just a thought out of the box.

Don W4BWS

On Thu, Aug 7, 2014 at 12:18 PM, 'Richard Schmuke' rdj@wildblue.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Gentlemen , I am still confused about my strange readings with my MFJ-259B
> on my 10MHz vertical. I was hoping someone else would have a similar
> problem at 10MHz.
>
> I cannot afford to buy a different analyzer to check this one antenna,
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> good on 10Mhz
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> It is easy to confuse a old man, I am proof of that.
>
>
>
> Rich, Kd0zz
>
>
>

--
Dr. Don W4BWS

33514. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 18:19:51 UTC
From: WVØH
Topic: 33447 Message: 33514

Rich,

Since measuring 10MHz is at the near end stop of the two ranges the analyzer has, maybe your unit is in need of calibration or is defective. When getting close to one of those ranges, my 269 acts "weird" when going below 10Mhz.

Just a thought.

Myron WVØH
Printed on Recycled Data

> On Aug 7, 2014, at 11:18 AM, "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Gentlemen , I am still confused about my strange readings with my MFJ-259B on my 10MHz vertical. I was hoping someone else would have a similar problem at 10MHz.
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> I cannot afford to buy a different analyzer to check this one antenna, unless it was the XYL’s idea, hihi.
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> I have no other radio turned on when checking.
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> There is no other houses within a half mile of me
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> Low power, single vertical antenna FM station 12 miles away.
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> My Kenwood TS-590 is limited to ham bands only and I don’t want to open it.
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> With the small spread of less than 50 KHz it looks about the same.
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> It is good enough as it is today but it seem strange how great it was as a homemade 7Mhz antenna and shorting up the elements you can’t make it as good on 10Mhz
>
> It is easy to confuse a old man, I am proof of that.
>
>
>
> Rich, Kd0zz
>
>

33515. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 18:19:57 UTC
From: Kenneth G. Gordon
Topic: 33447 Message: 33515

On 7 Aug 2014 at 13:09, Don Sanders w4bws1@... [ham-antenna
wrote:

> Richard, seems to me you are near 10 Mhz WWV and with a 10 Mhz antenna you are
> possibly getting overload from them. Just a thought out of the box.
>
> Don W4BWS

Actually, he is around 800 miles from Ft. Collins. Shouldn't that be enough?
Then again, maybe not....

Ken W7EKB

33516. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 18:33:49 UTC
From: Don Sanders
Topic: 33447 Message: 33516

DUN-NO but he can check it with a calibrated S meter or such. Also any high
power Short wave station close by could contribute. A spectrum analyzer
would be nice to see what is putting a signal into his location.
does appear to be either malfunction of equipment or over load.
I used to have trouble with AM and FM stations years ago in Florida. Had to
add filters to all my receivers and station monitor.
Had interfering signal on repeater also and found it was rectification in
rusted guy cables mixing local FM and Police transmitter. Heck to locate
due to intermittant interruption. So RFI can come from anywhere.

Don W4BWS

On Thu, Aug 7, 2014 at 1:19 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 7 Aug 2014 at 13:09, Don Sanders w4bws1@... [ham-antenna
> wrote:
>
>
> > Richard, seems to me you are near 10 Mhz WWV and with a 10 Mhz antenna
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> > Don W4BWS
>
> Actually, he is around 800 miles from Ft. Collins. Shouldn't that be
> enough?
> Then again, maybe not....
>
> Ken W7EKB
>
>
>

--
Dr. Don W4BWS

33517. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 18:44:09 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33447 Message: 33517

Amen! The FCC warned me not to work for a specific FM station that they were about to descend on.. Oddities with the transmitter and corrosion on guy wires resulted in a spur from their tower (not necessarily their transmitter) in the aircraft band. Multiple other stations in the immediate vicinity, and the fact that they were within 2 miles of the approach path made that a "high priority fix" to say the least.. Apparently the chief field engineer in Tampa at the time had asked the station to clean up.. and they had not in a month or two, so he was getting ready to make mincemeat of 1) their budget and 2) their CE's license....

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "Don Sanders w4bws1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 7, 2014 2:33 PM
Subject: Re: [ham-antennas] MFJ Analizer

DUN-NO but he can check it with a calibrated S meter or such. Also any high power Short wave station close by could contribute. A spectrum analyzer would be nice to see what is putting a signal into his location.
does appear to be either malfunction of equipment or over load.
I used to have trouble with AM and FM stations years ago in Florida. Had to add filters to all my receivers and station monitor.
Had interfering signal on repeater also and found it was rectification in rusted guy cables mixing local FM and Police transmitter. Heck to locate due to intermittant interruption. So RFI can come from anywhere.

Don W4BWS

On Thu, Aug 7, 2014 at 1:19 PM, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>On 7 Aug 2014 at 13:09, Don Sanders w4bws1@... [ham-antenna
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>
>
>> Richard, seems to me you are near 10 Mhz WWV and with a 10 Mhz antenna you are
>> possibly getting overload from them. Just a thought out of the box.
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>> Don W4BWS
>
>
Actually, he is around 800 miles from Ft. Collins. Shouldn't that be enough?
>Then again, maybe not....
>

>Ken W7EKB
>

--
Dr. Don W4BWS

33518. AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 20:10:18 UTC
From: siegfried jackstien
Topic: 33447 Message: 33518

A ham can not have enough equipment ... be it analyzers or rigs ...

So ... take your xyl out for a good meal ... and then ask here if you are allowed to spent a few hundred bucks for a GOOD analyzer

... and then go out and buy a kc901h

...

I have one and I am REALLY impressed how good that thingy works

... and for shortwave work I also have bought a "sark100"

Best bang for the buck :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 7. August 2014 17:18
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] MFJ Analizer
>
>
>
> Gentlemen , I am still confused about my strange readings with my MFJ-259B
> on my 10MHz vertical. I was hoping someone else would have a similar
> problem at 10MHz.
>
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> There is no other houses within a half mile of me
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> homemade 7Mhz antenna and shorting up the elements you can□t make it as
> good on 10Mhz
>
> It is easy to confuse a old man, I am proof of that.
>
>
>
> Rich, Kd0zz
>
>

33519. Re: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 20:16:55 UTC
From: Bill Blomgren (kk4qdz)
Topic: 33447 Message: 33519

Wish the SARK were available here... but with the problems with patents and so on... don't think it will happen.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, August 7, 2014 4:10 PM
Subject: AW: [ham-antennas] MFJ Analizer

A ham can not have enough equipment ... be it analyzers or rigs ...

So ... take your xyl out for a good meal ... and then ask here if you are allowed to spent a few hundred bucks for a GOOD analyzer

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... and for shortwave work I also have bought a "sark100"

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Sigi

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> Gesendet: Donnerstag, 7. August 2014 17:18
> An: ham-antennas@yahoogroups.com
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>
>
>
> Rich, Kd0zz
>
>

Posted by: "siegfried jackstien" <siegfried.jackstien@freenet.de>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
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33520. AW: AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 20:38:09 UTC
From: siegfried jackstien
Topic: 33447 Message: 33520

Aehem ... why is the sark100/mini60 not available ?!?

Just buy it online and a few days later it will arrive

Nothing difficult with that

....

Or build your own (pcb and firmware are available online ... see below)

But I am guessing that buying a complete device is a lot easier

Just look in evilbay

http://www.ebay.com/sch/i.html?_from=R40&_sacat=0&_nkw=sark100&_sop=15

Or on aliexpress

http://www.aliexpress.com/w/wholesale-sark100.html?SearchText=sark100&CatId=0&shipCountry=de&initiative_id=SB_20140807122150&SortType=price_asc&filterCat=15370308,15370305,153712&groupsort=1

.....

Or ...

All show the sark100 for about 90-100 bucks and the mini60 for around 120-150 bucks

Mini60 is nearly the same thingy but it is smaller, has a built-in Bluetooth and build-in rechargeable battery pack

Sark100 has no Bluetooth but that can be added (bt module for around 5 bucks) ...

So its on your side to think what model you would prefer

... if you like homebrewing things

http://www.ea4frb.eu/antenna-analyzers/sark100/Archive

here you find ALL building info for that analyzer, pcb design, firmware ... etc.

...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 7. August 2014 20:17
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] MFJ Analizer
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> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
> _____
>
> From: "'siegfried jackstien' siegfried.jackstien@... [ham-
> antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, August 7, 2014 4:10 PM
> Subject: AW: [ham-antennas] MFJ Analizer
>
>
> A ham can not have enough equipment ... be it analyzers or rigs ...
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> I have one and I am REALLY impressed how good that thingy works
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> ... and for shortwave work I also have bought a "sark100"
>
> Best bang for the buck :-)
>
> Dg9bfc
>
> Sigi
>
>
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 7. August 2014 17:18
> > An: ham-antennas@yahoogroups.com
> > Betreff: RE: [ham-antennas] MFJ Analizer
> >

> >
> >
> > Gentlemen , I am still confused about my strange readings with my MFJ-
> 259B
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> >
> > Rich, Kd0zz
> >
> >
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>
>
> ---
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
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33521. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 20:45:15 UTC
From: Andy
Topic: 33447 Message: 33521

My understanding about the MFJ 259/269 analyzers (designed by Tom W8JI by the way) is that they have broadband detectors. Thus, if it is being affected by strong RFI, it would happen irrespective of the band or frequency setting. The fact that it's close in frequency to a 10KW radio station hundreds of miles away, should be irrelevant.

What can mess them up (and I think this was mentioned just recently), is the waveform purity, i.e., harmonic content of the oscillator inside the 259/269. Its oscillator runs at a somewhat high power level ... hence draining the batteries faster ... in order to get the low harmonic content it needs.

However, if for some reason its oscillator's harmonic or spurious level shot up in the vicinity of 10 MHz, that could explain why Rich couldn't get the SWR to appear low enough only on that band. It would be measuring the reflection coefficient at 10 MHz AND other frequencies simultaneously.

10 MHz appears on two of the MFJ-259B's overlapping ranges: at the upper end of the 4-10 range where C is minimum, and at the bottom end of the 10-27 range where C is maximum. It is unlikely but possible that the oscillator is running out of steam at the far end of one of those ranges, and generating either a harmonic, or a spurious signal of some sort.

It might be useful for Rich to repeat his measurements with his '259B set to both the 4-10 range and the 10-27 range, and see how they compare.

But the thing that really puzzles me is why he was getting good readings for R+jX and simultaneous not-so-good readings for SWR. Like I say, that seems to me more like a miscalculation by the '259B's CPU, than anything of an analog nature. Weird.

Regards,
Andy

33522. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 23:06:18 UTC
From: Andy
Topic: 33450 Message: 33522

I think we all agree that antennas can work no matter how little theory goes into them. Any wire can radiate. Someone gave the example of oldtimers using nothing more than the ARRL books; but folks before that didn't even have those books to go by. They strung up some wire, any old wire they could find, and lo, most of them worked. Good old tube rigs.

Just the same, it doesn't hurt for some people to look at the finer points of antenna theory, at least so we can see IF it makes any difference.

Someone wrote: "they (solid cables) also would not conduct the amps the stranded cables do".

I disagree. At DC and very LF, equal copper cross-section conducts exactly the same, whether stranded or solid. The stranded cable actually needs to be a little fatter, to get the same cross-section and conduct the same as solid.

Have you seen those solid bus wires at electrical substations? Yup, they work pretty darn well.

Stranded wire may be the preferred choice for battery and welding cables, but it's because it handles easier. Solid of the same size conducts just as many amps.

The issue of AC resistance and skin effect is an interesting one. John suggested that stranded is slightly superior because it has more surface area. That's partly correct, but on the other hand, the current tends to congregate or gather on the outermost surfaces ... the ridges that stick out the furthest, with less current in the valleys between them. The result is a less efficient utilization of available surface area, and actually more AC resistance than solid wire with its perfectly uniform surface. It is frequency dependent, and just like the difference between solid and stranded, mostly not noticeable anyway.

Litz wire is the exception. Litz wire is a specially made stranded wire where each tiny strand is individually insulated, and the twist pattern is carefully controlled so that each strand spends an equal amount of time on the outside of the bundle. This prevents the current from congregating on the ridges. The result is an equal current distribution and a true reduction in AC resistance. But this works only up to a couple MHz. (FYI - NIST uses a monster Litz wire in the antenna tuning unit for WWVB.)

Regards,
Andy

33523. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-07 23:32:33 UTC
From: Tom Becker
Topic: 33450 Message: 33523

On 08/07/2014 07:06 PM, Andy ai.egrps@... [ham-antennas] wrote:
> Stranded wire may be the preferred choice for battery and welding
> cables, but it's because it handles easier...
Beaten to death, but I can make one contribution.

Stranded surely handles better in welding but it is used on auto and marine batteries because of the vibrating environment - not unlike a wire antenna in wind.

Crimped, not soldered, stranded cables are best in a pounding hull because everything moves. Given a choice, I'd opt for stranded in the wind for the same reason.

Tom

33524. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 00:09:24 UTC
From: nonlinear@...
Topic: 33450 Message: 33524

wires do not radiate

the E and H fields created by the "electrified wires" radiate photons

photons are not transferred from the wire surface to the aether

p

33525. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 00:16:44 UTC
From: Andy
Topic: 33450 Message: 33525

Touché!

33526. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 00:31:03 UTC
From: Joe
Topic: 33450 Message: 33526
Attachments: 1 described; binary payloads are missing from this source WARC

Photons! COOL I can actually see my radiation pattern now!
HE HE HE :-)

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/7/2014 7:09 PM, nonlinear@... [ham-antennas] wrote:
>
>
> wires do not radiate
>
> the E and H fields created by the "electrified wires" radiate photons
>
>
> photons are not transferred from the wire surface to the aether
>
> p
>
>

33527. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 01:14:42 UTC
From: Stan Labinsky Jr.
Topic: 33447 Message: 33527

Wonder if plugging one of them into a spectrum analyzer might offer some insight?

Perhaps the offending instrument which started this thread, check on both frequency range switch settings.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, August 07, 2014 2:19 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

Rich,

Since measuring 10MHz is at the near end stop of the two ranges the analyzer has, maybe your unit is in need of calibration or is defective. When getting close to one of those ranges, my 269 acts "weird" when going below 10Mhz.

Just a thought.

Myron WVØH
Printed on Recycled Data

On Aug 7, 2014, at 11:18 AM, "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Gentlemen , I am still confused about my strange readings with my MFJ-259B on my 10MHz vertical. I was hoping someone else would have a similar problem at 10MHz.

I cannot afford to buy a different analyzer to check this one antenna, unless it was the XYL’s idea, hihi.

I have no other radio turned on when checking.

There is no other houses within a half mile of me

Low power, single vertical antenna FM station 12 miles away.

My Kenwood TS-590 is limited to ham bands only and I don’t want to open it.

With the small spread of less than 50 KHz it looks about the same.

It is good enough as it is today but it seem strange how great it was as a homemade 7Mhz antenna and shorting up the elements you can’t make it as good on 10Mhz

It is easy to confuse a old man, I am proof of that.

Rich, Kd0zz

33528. Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 01:19:22 UTC
From: Billy McFarland
Topic: 33528 Message: 33528

Hello all,

Wondering if anyone has built one of these:

http://www.google.co.uk/url?sa=t&source=web&cd=1&ved=0CAoQFjAA&url=http%3A%2F%2Fwww.hamradio.me%2Fantennas%2Fasymmetrical-hatted-dipole-antenna.html&ei=7yTkU_72Fq-w7AaqtoDwCA&usg=AFQjCNHkK1_5OON-eJVYbhMazV0WFhhOyw

Wondering what the performance was. Like and if it was near the sea

Thanks

73 Billy
GM0OBX

33529. Re: MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 01:20:32 UTC
From: Chris Boone
Topic: 33447 Message: 33529

Not the IFs...that doesn't radiate...or else it would not part 15..

It's the Local Oscillator on FM radios....they are high side injection....so radios tuned 97.3 or higher are radiating the LO into the aero band...So that could throw off VOR reception and interfere with voice channels as well....

Ham gear is not allowed because the prohibition covers all radiating equipment (you can carry on, you just cannot legally use it while in flight)....IF you get permission from the carrier on a commercial flight (NOT the pilot...he is not the carrier), you can operate legally (good luck)....On private planes, permission of the pilot is all that you need.

BTW JVC Kenwood (owner of Panasonic) has been testing under an experimental license (WF2XLF) recently in test aircraft at certain airports...as a Society of Broadcast Engineers Frequency Coordinator, I was contacted some time ago about testing going on this week at Chennault airport (former AF Base) in Lake Charles, La (to make sure no Remote Pickups or TV ENG was interferred with)...it involves mostly UHF and 2GHz on this test at LCH at up to 15w ERP. They are checking Panasonic Avionics Global Communications Suite (“GCS”) featuring the“eXConnect” Ku-band earth stations aboard aircraft (“ESAA”) system to provide broadband connectivity onboard aircraft in flight.

However, the FCC will never allow FM radios or high power RF devices which could?interfere?with the fly by wire systems or comm/navigation.

Chris
WB5ITT

==========

"This is the reason why the FAA does not allow you to carry on any ham radio FM handhelds onto a plane ..."

Indeed, they didn't allow even radio receivers (i.e. Walkman) to be turned on, for this reason. Too much concern about the radiated IF at 10.7 MHz and 455 kHz, and the latter is right in the middle of the aeronautical beacon frequencies.

Regards,
Andy

33530. Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 02:05:18 UTC
From: wayne58@...
Topic: 33530 Message: 33530

Hi

I am just getting back into HF after selling my house a the 60 ft. hd tower and TH6Dxx antenna duet health. I installed a MFJ balcony antenna that uses loading coil and opposite end about 10 ' away a 75m. hamstick. I can not get a good ground plane. First I used the metal railing and no luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still way out of range. The rig is a Yaesu FT-897d. I thought about taking my ATAS-120 and mounting it on my railing but it would be too dangerous as I am 8 stories up. Any help would be so appreciated.

`73 Wayne VE3JET

33531. RE: [ham-antennas] Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 02:12:01 UTC
From: Dan
Topic: 33530 Message: 33531

Wayne,

I also bought the MFJ balcony antenna and had little luck with it. However, the bracket that it has is the support for my current end fed wire. I put a wooden pole in the bracket so that the long wire is about 5-6 ft from the side of the building. This helps prevent courious people from below grabbing the wire. My wire is about 66.5 ft so might be a bit long for your 6th floor (I am on 15th) but I'm sure a shorter wire could be tuned. I also have a counterpoise (3 different length wires). Look as my QRZ.com page for a picture.

73, Dan

9V1DB

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 10:05 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Balcony antennas

Hi

I am just getting back into HF after selling my house a the 60 ft. hd tower and TH6Dxx antenna duet health. I installed a MFJ balcony antenna that uses loading coil and opposite end about 10 ' away a 75m. hamstick. I can not get a good ground plane. First I used the metal railing and no luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still way out of range. The rig is a Yaesu FT-897d. I thought about taking my ATAS-120 and mounting it on my railing but it would be too dangerous as I am 8 stories up. Any help would be so appreciated.

`73 Wayne VE3JET

33532. Re: [ham-antennas] Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 05:33:35 UTC
From: Ron Youvan
Topic: 33530 Message: 33532

On 08/07/2014 10:05 PM, wayne58@... wrote:

> I am just getting back into HF after selling my house and the 60 ft. high
> tower and TH6Dxx antenna due to health. I installed a MFJ balcony antenna
> that uses loading coil and opposite end about 10 ' away a 75m. hamstick.
> I can not get a good ground plane. First I used the metal railing and no
> luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still
> way out of range. The rig is a Yaesu FT-897d. I thought about taking my
> ATAS-120 and mounting it on my railing but it would be too dangerous as
> I am 8 stories up. Any help would be so appreciated.

I know of the MFJ balcony mount, but I don't own one. What frequency
are you operating on?
It seem to me adding a loading coil to a 80 meter HAM stick would put it
on 160 meters and a 140 foot "tiger tail" would be required. (14 stories)
Have you tried a 10 meter HAM stick on 15 or 20 meters?
Tell us more of your operating plans.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33533. Re: [ham-antennas] Stranded Copper Wire for Transmitting

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 06:50:50 UTC
From: Original Woodchuck
Topic: 33450 Message: 33533

On Thu, Aug 07, 2014 at 05:09:24PM -0700, nonlinear@... [ham-antennas] wrote:
> wires do not radiate
>
> the E and H fields created by the "electrified wires" radiate photons
>
>
> photons are not transferred from the wire surface to the aether
>

The "photon" and the E and H fields are the same thing, looked at in different ways (particle vs. wave). The photon is the quantum of the electromagnetic field.

There is thought to be no aether.

Dave AB3NR "Schroedinger's Woodchuck"

33534. RE: [ham-antennas] Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 09:53:42 UTC
From: KB3YRC
Topic: 33530 Message: 33534

I was looking over the MFJ 1625 this morning, The first thing I don’t like is you mount the antenna on the back of the tuner.

Can you mount the antenna on the balcony and use the tuner in the house?

My second thought was to run a wire from the frame of the antenna to the Grounded (Green) screw or pin of a receptacle to give you a ground grid.

Richard

KB3YRC

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 1:34 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Balcony antennas

On 08/07/2014 10:05 PM, wayne58@... wrote:

> I am just getting back into HF after selling my house and the 60 ft. high
> tower and TH6Dxx antenna due to health. I installed a MFJ balcony antenna
> that uses loading coil and opposite end about 10 ' away a 75m. hamstick.
> I can not get a good ground plane. First I used the metal railing and no
> luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still
> way out of range. The rig is a Yaesu FT-897d. I thought about taking my
> ATAS-120 and mounting it on my railing but it would be too dangerous as
> I am 8 stories up. Any help would be so appreciated.

I know of the MFJ balcony mount, but I don't own one. What frequency
are you operating on?
It seem to me adding a loading coil to a 80 meter HAM stick would put it
on 160 meters and a 140 foot "tiger tail" would be required. (14 stories)
Have you tried a 10 meter HAM stick on 15 or 20 meters?
Tell us more of your operating plans.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 3986/8000 - Release Date: 08/07/14

33535. AW: [ham-antennas] Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 11:28:18 UTC
From: siegfried jackstien
Topic: 33530 Message: 33535

What about installing an autotuner (with "random wire") ... installed at balcony ... railing and maybe a few wires added as "counterpoise" (something the tuner can work against) ...

Wire thrown in the next available tree (we call that a potato antenna ... grin) ... (add some rope and an insulator at the end)

Should work MUCH better then any mobile or "balcony" antenna

And it is nearly invisible if installed high enough (8 stories is high enough for that!)

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 8. August 2014 02:05
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Balcony antennas
>
>
>
> Hi
>
>
>
>
> I am just getting back into HF after selling my house a the 60 ft. hd
> tower and TH6Dxx antenna duet health. I installed a MFJ balcony antenna
> that uses loading coil and opposite end about 10 ' away a 75m. hamstick. I
> can not get a good ground plane. First I used the metal railing and no
> luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still way
> out of range. The rig is a Yaesu FT-897d. I thought about taking my ATAS-
> 120 and mounting it on my railing but it would be too dangerous as I am 8
> stories up. Any help would be so appreciated.
>
>
>
>
> `73 Wayne VE3JET
>
>

33536. AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 11:47:40 UTC
From: siegfried jackstien
Topic: 33528 Message: 33536

Like any vertical installed at the beach it should work well

I modelled a similar thing in mmana for 40m ... 7.5m vertical with 2 radials
and 2 top wires ... fed at the base (so asymmetrical feeding!)

Impedance is around 50 ohms (no tuner needed ... no lossy coils or caps at
the feeding point)

Did not build in real (yet) but the results seems promising

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 8. August 2014 01:19
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Asymmetrical hatted vertical dipole
>
>
>
> Hello all,
>
> Wondering if anyone has built one of these:
>
> http://www.google.co.uk/url?sa=t&source=web&cd=1&ved=0CAoQFjAA&url=http%3A
> %2F%2Fwww.hamradio.me%2Fantennas%2Fasymmetrical-hatted-dipole-
> antenna.html&ei=7yTkU_72Fq-w7AaqtoDwCA&usg=AFQjCNHkK1_5OON-
> eJVYbhMazV0WFhhOyw
>
>
> Wondering what the performance was. Like and if it was near the sea
>
>
> Thanks
>
> 73 Billy
> GM0OBX
>
>
>

33537. RE: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 11:57:20 UTC
From: Billy McFarland
Topic: 33528 Message: 33537

Hi sigi,

I've been looking at the k2kw team antenna pages and it looks a good set up. I have a 12m spiderbeam pole. Was thinking if doing one for 40m 1/4 radiator with two raised 1/4 radials. But I've not got the modelling software to see what it's like. If I uses 12m mast then the feedpoint will be up about 2m.

73 Billy
GM0OBX

33538. AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 12:08:10 UTC
From: siegfried jackstien
Topic: 33528 Message: 33538

Hi Billy

Mmana is freeware so it is easy ... just download and install it

http://hamsoft.ca/pages/mmana-gal.php

And then I can send you a model from my version (and it is also easy to make own modelling with it)

Mmana has a nice graphical editor built-in

If you ever used ANY paint software you will know how to draw your own antenna models (click at beginning of wire, hold mouse button and draw the line to the end ... then reelease button ... easy)

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 8. August 2014 11:57
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: [ham-antennas] Asymmetrical hatted vertical dipole
>
>
>
> Hi sigi,
>
> I've been looking at the k2kw team antenna pages and it looks a good set
> up. I have a 12m spiderbeam pole. Was thinking if doing one for 40m 1/4
> radiator with two raised 1/4 radials. But I've not got the modelling
> software to see what it's like. If I uses 12m mast then the feedpoint will
> be up about 2m.
>
> 73 Billy
> GM0OBX
>
>
> _____
>
> From: 'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]
> <ham-antennas@yahoogroups.com>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: AW: [ham-antennas] Asymmetrical hatted vertical dipole

> Sent: Fri, Aug 8, 2014 11:47:40 AM
>
>
>
>
> Like any vertical installed at the beach it should work well
>
> I modelled a similar thing in mmana for 40m ... 7.5m vertical with 2
> radials
> and 2 top wires ... fed at the base (so asymmetrical feeding!)
>
> Impedance is around 50 ohms (no tuner needed ... no lossy coils or caps at
> the feeding point)
>
> Did not build in real (yet) but the results seems promising
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 8. August 2014 01:19
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Asymmetrical hatted vertical dipole
> >
> >
> >
> > Hello all,
> >
> > Wondering if anyone has built one of these:
> >
> >
> http://www.google.co.uk/url?sa=t&source=web&cd=1&ved=0CAoQFjAA&url=http%3A
> > %2F%2Fwww.hamradio.me%2Fantennas%2Fasymmetrical-hatted-dipole-
> > antenna.html&ei=7yTkU_72Fq-w7AaqtoDwCA&usg=AFQjCNHkK1_5OON-
> > eJVYbhMazV0WFhhOyw
> >
> >
> > Wondering what the performance was. Like and if it was near the sea
> >
> >
> > Thanks
> >
> > 73 Billy
> > GM0OBX
> >
> >
> >
>

>
>
>

33539. RE: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 12:12:11 UTC
From: Billy McFarland
Topic: 33528 Message: 33539

I'll get it downloaded just now. Thanks :)

73 Billy
GM0OBX

33540. RE: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 12:39:53 UTC
From: Billy McFarland
Topic: 33528 Message: 33540

Sigi

I've just downloaded that maybe you could send me your version of the 40m antenna to see what it's like?

Thanks

73 Billy
GM0OBX

33541. AW: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 12:53:53 UTC
From: siegfried jackstien
Topic: 33528 Message: 33541

Already on the way

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 8. August 2014 12:40
> An: ham-antennas@yahoogroups.com
> Betreff: RE: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole
>
>
>
> Sigi
>
> I've just downloaded that maybe you could send me your version of the 40m
> antenna to see what it's like?
>
> Thanks
>
> 73 Billy
> GM0OBX
>
>
> _____
>
> From: Billy McFarland gm0obx@... [ham-antennas] <ham-
> antennas@yahoogroups.com>;
> To: ham-antennas@yahoogroups.com <ham-antennas@yahoogroups.com>;
> Subject: RE: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole
> Sent: Fri, Aug 8, 2014 12:12:11 PM
>
>
>
>
> I'll get it downloaded just now. Thanks :)
>
> 73 Billy
> GM0OBX
>
>
>
> _____
>
> From: 'siegfried jackstien' siegfried.jackstien@... [ham-antennas]

> <ham-antennas@yahoogroups.com>;
> To: <ham-antennas@yahoogroups.com>;
> Subject: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole
> Sent: Fri, Aug 8, 2014 12:08:10 PM
>
>
>
>
> Hi Billy
>
> Mmana is freeware so it is easy ... just download and install it
>
> http://hamsoft.ca/pages/mmana-gal.php
>
> And then I can send you a model from my version (and it is also easy to
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> own modelling with it)
>
> Mmana has a nice graphical editor built-in
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> If you ever used ANY paint software you will know how to draw your own
> antenna models (click at beginning of wire, hold mouse button and draw the
> line to the end ... then reelease button ... easy)
>
> Greetz
>
> Sigi
>
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Freitag, 8. August 2014 11:57
> > An: ham-antennas@yahoogroups.com
> > Betreff: RE: AW: [ham-antennas] Asymmetrical hatted vertical dipole
> >
> >
> >
> > Hi sigi,
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> > I've been looking at the k2kw team antenna pages and it looks a good set
> > up. I have a 12m spiderbeam pole. Was thinking if doing one for 40m 1/4
> > radiator with two raised 1/4 radials. But I've not got the modelling
> > software to see what it's like. If I uses 12m mast then the feedpoint
> will
> > be up about 2m.
> >
> > 73 Billy
> > GM0OBX
> >

> >
> > _____
> >
> > From: 'siegfried jackstien' siegfried.jackstien@... [ham-
> antennas]
> > <ham-antennas@yahoogroups.com>;
> > To: <ham-antennas@...m>;
> > Subject: AW: [ham-antennas] Asymmetrical hatted vertical dipole
> > Sent: Fri, Aug 8, 2014 11:47:40 AM
> >
> >
> >
> >
> > Like any vertical installed at the beach it should work well
> >
> > I modelled a similar thing in mmana for 40m ... 7.5m vertical with 2
> > radials
> > and 2 top wires ... fed at the base (so asymmetrical feeding!)
> >
> > Impedance is around 50 ohms (no tuner needed ... no lossy coils or caps
> at
> > the feeding point)
> >
> > Did not build in real (yet) but the results seems promising
> >
> > Dg9bfc
> >
> > Sigi
> >
> > > -----Ursprüngliche Nachricht-----
> > > Von: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> > > Gesendet: Freitag, 8. August 2014 01:19
> > > An: ham-antennas@yahoogroups.com
> > > Betreff: [ham-antennas] Asymmetrical hatted vertical dipole
> > >
> > >
> > >
> > > Hello all,
> > >
> > > Wondering if anyone has built one of these:
> > >
> > >
> >
> http://www.google.co.uk/url?sa=t&source=web&cd=1&ved=0CAoQFjAA&url=http%3A
> > > %2F%2Fwww.hamradio.me%2Fantennas%2Fasymmetrical-hatted-dipole-
> > > antenna.html&ei=7yTkU_72Fq-w7AaqtoDwCA&usg=AFQjCNHkK1_5OON-
> > > eJVYbhMazV0WFhhOyw
> > >
> > >

> > > Wondering what the performance was. Like and if it was near the sea
> > >
> > >
> > > Thanks
> > >
> > > 73 Billy
> > > GM0OBX
> > >
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>

33542. Re: AW: AW: AW: [ham-antennas] Asymmetrical hatted vertical dipole

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 20:48:06 UTC
From: farrerfolks@...
Topic: 33528 Message: 33542

This antenna concept strikes a lot of similar thinking of the C off center fed dipole???

Mel, K6KBE

33543. Antenna turns counter

Yahoo group: ham-antennas (2014)
Date: 2014-08-08 22:10:53 UTC
From: farrerfolks@...
Topic: 33543 Message: 33543

I got tired of looking at the automatic, manual, etc., screwdriver controllers >>$100. Most of us started with just a up down toggle switch. What all that is needed now is to count turns.

Here is a little afternoon project for a self powered, up down LCD display counter. Li coin battery <5 uA all day long. Total parts count without the terminal strip, box, and wiring, "4". A diode to sense motor direction, relay to instruct the counter to change directions, 2430-T battery, and the Trumeter 7400AS 8 digit LCD counter assembly. The bench picture shows the basic parts save the relay, I used a toggle switch. I set it up on my Hi-Q antenna and it works great. I mounted the box in front of the Odometer. Now I do need to calibrate the counts with the bands. Make a cheat card and I am on my way. Thought you might like to see what I did this afternoon.

Mel, K6KBE

33544. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 00:19:50 UTC
From: Ken Burchfield
Topic: 33447 Message: 33544

Just a reminder that there is a MFJ-259,YahooGroup

Lots of good info there.

mfj-259@yahoogroups.com
73
Ken k5jxl
PacketRadio is Still Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

33545. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 01:43:32 UTC
From: Richard Schmuke
Topic: 33447 Message: 33545

Thanks Ken but not sure it is just a MFJ problem. I think there is a antenna problem I am not seeing, been building antennas for 35years so my eyes might have gone bad. When it was a 40M (7MHz) antenna things agreed perfect with the tape measure and SWR meter, 1.2:1. I am not too close to house or other antenna and no power lines around, coax checked and double checked. I trimmed the raised radials and adjusted the vertical element to 23.1 ft , 30M (10MHz) length, SWR is 2.5:1 at 10.1MHz, the low SWR point is 1.5:1 at 9MHz but all elements are at 23ft not 26ft. I will let it rest for a few days and start over.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 7:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

Just a reminder that there is a MFJ-259,YahooGroup

Lots of good info there.

mfj-259@yahoogroups.com

73
Ken k5jxl
PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

[Non-text portions of this message have been removed]

33546. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 02:00:56 UTC
From: Mike
Topic: 33447 Message: 33546

Check it on a harmonic that should also work on ...
On 08/08/2014 06:43 PM, 'Richard Schmuke' rdj@...
[ham-antennas] wrote:
>
> Thanks Ken but not sure it is just a MFJ problem. I think there is a
> antenna
> problem I am not seeing, been building antennas for 35years so my eyes
> might
> have gone bad. When it was a 40M (7MHz) antenna things agreed perfect with
> the tape measure and SWR meter, 1.2:1. I am not too close to house or
> other
> antenna and no power lines around, coax checked and double checked. I
> trimmed the raised radials and adjusted the vertical element to 23.1 ft ,
> 30M (10MHz) length, SWR is 2.5:1 at 10.1MHz, the low SWR point is 1.5:1 at
> 9MHz but all elements are at 23ft not 26ft. I will let it rest for a few
> days and start over.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Friday, August 08, 2014 7:20 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] MFJ Analizer
>
> Just a reminder that there is a MFJ-259,YahooGroup
>
> Lots of good info there.
>
> mfj-259@yahoogroups.com
>
> 73
> Ken k5jxl
> PacketRadio is Still
> Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud
>
> [Non-text portions of this message have been removed]
>
>

--
Mike KC7NOA

33547. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 16:50:21 UTC
From: Richard Schmuke
Topic: 33447 Message: 33547

Good I idea mike to check it out on harmonic. Ran into a snag doing that. Checking at different harmonic frequencies the antenna then needs a 2:1 balun at the base and my 2:1 is too big to attach at the feed point. SO-239 too close to wood mast. I thought adding coax jumper might mess things up. I could use a 75ohm coax matching section but then would not be able the check different frequencies. I have used the 2:1 balun with dipoles having 3, quarter wave lengths per side and it worked fine. Checking at the shack end I do get slightly better reading on some multiples of 10MHz, others on multiples of 9MHz. I still can't understand why bad SWR at 23ft elements. High SWR with radio and separate SWR meter as well as the MFJ-259.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 9:01 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

Check it on a harmonic that should also work on ...

On 08/08/2014 06:43 PM, 'Richard Schmuke' rdj@... [ham-antennas]
wrote:

Thanks Ken but not sure it is just a MFJ problem. I think there is a antenna problem I am not seeing, been building antennas for 35years so my eyes might have gone bad. When it was a 40M (7MHz) antenna things agreed perfect with the tape measure and SWR meter, 1.2:1. I am not too close to house or other antenna and no power lines around, coax checked and double checked. I trimmed the raised radials and adjusted the vertical element to 23.1 ft , 30M (10MHz) length, SWR is 2.5:1 at 10.1MHz, the low SWR point is 1.5:1 at 9MHz but all elements are at 23ft not 26ft. I will let it rest for a few days and start over.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 7:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

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mfj-259@yahoogroups.com

73
Ken k5jxl

PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

[Non-text portions of this message have been removed]

--
Mike KC7NOA

[Non-text portions of this message have been removed]

33548. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 17:23:15 UTC
From: MIKE DURKIN
Topic: 33447 Message: 33548

Only other thought might be some kind of rf short to the ground elements ... mutual inductance to the feed from a ground element? ... I'm grasping at straw really .. would ground losses make that kind of shift? (I don't think so , but)

--- Original Message ---

From: "'Richard Schmuke' rdj@wildblue.net [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: August 9, 2014 9:50 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

Good I idea mike to check it out on harmonic. Ran into a snag doing that. Checking at different harmonic frequencies the antenna then needs a 2:1 balun at the base and my 2:1 is too big to attach at the feed point. SO-239 too close to wood mast. I thought adding coax jumper might mess things up. I could use a 75ohm coax matching section but then would not be able the check different frequencies. I have used the 2:1 balun with dipoles having 3, quarter wave lengths per side and it worked fine. Checking at the shack end I do get slightly better reading on some multiples of 10MHz, others on multiples of 9MHz. I still can't understand why bad SWR at 23ft elements. High SWR with radio and separate SWR meter as well as the MFJ-259.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 9:01 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

Check it on a harmonic that should also work on ...

On 08/08/2014 06:43 PM, 'Richard Schmuke' rdj@... [ham-antennas]
wrote:

Thanks Ken but not sure it is just a MFJ problem. I think there is a antenna problem I am not seeing, been building antennas for 35years so my eyes might have gone bad. When it was a 40M (7MHz) antenna things agreed perfect with the tape measure and SWR meter, 1.2:1. I am not too close to house or other antenna and no power lines around, coax checked and double checked. I trimmed the raised radials and adjusted the vertical element to 23.1 ft , 30M (10MHz) length, SWR is 2.5:1 at 10.1MHz, the low SWR point is 1.5:1 at 9MHz but all elements are at 23ft not 26ft. I will let it rest for a few days and start over.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, August 08, 2014 7:20 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ Analizer

Just a reminder that there is a MFJ-259,YahooGroup

Lots of good info there.

mfj-259@yahoogroups.com

73
Ken k5jxl
PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

[Non-text portions of this message have been removed]

--
Mike KC7NOA

[Non-text portions of this message have been removed]

33549. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 20:14:10 UTC
From: Richard Schmuke
Topic: 33447 Message: 33549

The 20M antenna will be rebuilt, it must be a problem at the feed point. Original picture was for another antenna, wrap around copper was removed for the 40M and 30M verticals.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert011_zps2248882b.jpg.html

The assembly inspector will be fired for lack of attention, no special treats for 72 hours.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg.html

I ran a quick check on the MFJ-259B by making a quick & dirty dipole with a BNC twin binding post fitting, some silver plated 18 ga, center conductor end held by a string to a 8 ft step ladder the shield end to a lawn chair. Eye balled at 23’1” and MFJ said SWR was 1.3:1 so it can work at 10MHz. Got to be a glitch in the antenna. All parts covered now by non-corrosive RTV so I will take down, clean up and start over.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, August 09, 2014 12:23 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

Only other thought might be some kind of rf short to the ground elements ... mutual inductance to the feed from a ground element? ... I'm grasping at straw really .. would ground losses make that kind of shift? (I don't think so , but)

--- Original Message ---

From: "'Richard Schmuke' rdj@wildblue.net [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: August 9, 2014 9:50 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

Good I idea mike to check it out on harmonic. Ran into a snag doing that. Checking at different harmonic frequencies the antenna then needs a 2:1 balun at the base and my 2:1 is too big to attach at the feed point. SO-239 too close to wood mast. I thought adding coax jumper might mess things up. I could use a 75ohm coax matching section but then would not be able the check different frequencies. I have used the 2:1 balun with dipoles having 3, quarter wave lengths per side and it worked fine. Checking at the shack end I do get slightly better reading on some multiples of 10MHz, others on multiples of 9MHz. I still can't understand why bad SWR at 23ft elements. High SWR with radio and separate SWR meter as well as the MFJ-259.

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Mike KC7NOA

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33550. AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 20:59:50 UTC
From: siegfried jackstien
Topic: 33447 Message: 33550

I like your so 239 mount :-)

Looks nice

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 9. August 2014 20:14
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] MFJ Analizer
>
>
>
> The 20M antenna will be rebuilt, it must be a problem at the feed point.
> Original picture was for another antenna, wrap around copper was removed
> for the 40M and 30M verticals.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert01
> 1_zps2248882b.jpg.html
>
> The assembly inspector will be fired for lack of attention, no special
> treats for 72 hours.
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert00
> 5_zps78008c01.jpg.html
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> I ran a quick check on the MFJ-259B by making a quick & dirty dipole with
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> lawn chair. Eye balled at 23□1□ and MFJ said SWR was 1.3:1 so it can work
> at 10MHz. Got to be a glitch in the antenna. All parts covered now by non-
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Saturday, August 09, 2014 12:23 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] MFJ Analizer
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>
> mfj-259@yahoogroups.com
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> 73
> Ken k5jxl
> PacketRadio is Still
> Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud
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> [Non-text portions of this message have been removed]
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> --
> Mike KC7NOA
>
> [Non-text portions of this message have been removed]
>
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>
>
>
>

33551. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 21:35:40 UTC
From: Mike
Topic: 33447 Message: 33551

You know that it might be the RTV thats RF Sensitive .....
On 08/09/2014 01:14 PM, 'Richard Schmuke' rdj@...
[ham-antennas] wrote:
>
> The 20M antenna will be rebuilt, it must be a problem at the feed
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>
> http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert011_zps2248882b.
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> now by non-corrosive RTV so I will take down, clean up and start over.
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>
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> Sent: Saturday, August 09, 2014 12:23 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] MFJ Analizer
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> --- Original Message ---
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> <ham-antennas@yahoogroups.com>
> Sent: August 9, 2014 9:50 AM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] MFJ Analizer
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>

--
Mike KC7NOA

33552. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 21:41:09 UTC
From: Mel Farrer
Topic: 33447 Message: 33552

The non corrosive RTV will not cause a RF problem if allowed to cure 24 hours. The Acidic RTV is TERRIBLE. It is conductive during and after curing if ANY moisture is around.

Mel, K6KBE

On Saturday, August 9, 2014 2:35 PM, "Mike Patriot121@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

You know that it might be the RTV thats RF Sensitive .....

On 08/09/2014 01:14 PM, 'Richard Schmuke' rdj@... [ham-antennas] wrote:

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>Rich, Kd0zz
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>

--
Mike KC7NOA

33553. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 21:44:39 UTC
From: Mike
Topic: 33447 Message: 33553

Can you carbon track the non corrosive RTV before cured?

On 08/09/2014 02:41 PM, Mel Farrer farrerfolks@... [ham-antennas]
wrote:
> non corrosive RTV

--
Mike KC7NOA

33554. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 21:48:39 UTC
From: Adrian Flynn
Topic: 33447 Message: 33554

Mike I agree on that one.

I use to repair microwave ovens and admiral IIRC had a Sealed glass tray in
the bottom
that if it broke it was like replacing window glass.

But I do remember that you had to use a special RTV? silicone to seal it in
with and then
let it set for 24 hours before operating the oven for 15 minutes with a
quart water load.
(This was about 40 years ago).
I do remember that instructions said something about an certain smell but
not what for it
to be right silicon to use.

So it is possible the silicone is upsetting the match.

72/73
Adrian KF7DYU

On Sat, Aug 9, 2014 at 5:35 PM, Mike Patriot121@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>]
> Sent: Friday, August 08, 2014 7:20 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] MFJ Analizer
>
> Just a reminder that there is a MFJ-259,YahooGroup
>
> Lots of good info there.
>
> mfj-259@yahoogroups.com
>
> 73
> Ken k5jxl
> PacketRadio is Still
> Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud
>
> [Non-text portions of this message have been removed]
>
> --
> Mike KC7NOA
>
> [Non-text portions of this message have been removed]
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>
>
> --
> Mike KC7NOA
>
>
>

33555. Re: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 22:39:28 UTC
From: Mel Farrer
Topic: 33447 Message: 33555

Mike the answer is yes. Consider this. The RTV is a liquid with a certain level of conductivity as the material cures out. During that time, IF you put two pieces together in a microwave they will flash. Wait 24 hours and, NO flash. Simply follow the directions of use. Until fully cured. This probably does not answer the original question. I brought it up as a precautionary thought.

Mel, K6KBE

On Saturday, August 9, 2014 2:49 PM, "Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mike I agree on that one.

I use to repair microwave ovens and admiral IIRC had a Sealed glass tray in the bottom that if it broke it was like replacing window glass.

But I do remember that you had to use a special RTV? silicone to seal it in with and then let it set for 24 hours before operating the oven for 15 minutes with a quart water load. (This was about 40 years ago).
I do remember that instructions said something about an certain smell but not what for it to be right silicon to use.

So it is possible the silicone is upsetting the match.

72/73
Adrian KF7DYU

On Sat, Aug 9, 2014 at 5:35 PM, Mike Patriot121@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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>You know that it might be the RTV thats RF Sensitive .....
>
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>On 08/09/2014 01:14 PM, 'Richard Schmuke' rdj@... [ham-antennas] wrote:
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>>
>>http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert011_zps2248882b.jpg.html
>>
>>The assembly inspector will be fired for lack of
attention, no special treats for 72 hours.
>>
>>http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.

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>>I ran a quick check on the MFJ-259B by making a quick
& dirty dipole with a BNC twin binding post fitting,
some silver plated 18 ga, center conductor end held by a
string to a 8 ft step ladder the shield end to a lawn
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it can work at 10MHz. Got to be a glitch in the antenna.
All parts covered now by non-corrosive RTV so I will take
down, clean up and start over.
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>>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>Sent: Saturday, August 09, 2014 12:23 PM
>>To: ham-antennas@yahoogroups.com
>>Subject: RE: [ham-antennas] MFJ Analizer
>>
>>Only other thought might be some kind of rf short to the
ground elements ... mutual inductance to the feed from a
ground element? ... I'm grasping at straw really .. would
ground losses make that kind of shift? (I don't think so ,
but)
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>>--- Original Message ---
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>>From: "'Richard Schmuke' rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com>
>>Sent: August 9, 2014 9:50 AM
>>To: ham-antennas@yahoogroups.com
>>Subject: RE: [ham-antennas] MFJ Analizer
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feed point. SO-239
>>too close to wood mast. I thought adding coax jumper might
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>>I could use a 75ohm coax matching section but then would
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>>High SWR with radio and separate SWR meter as well as the
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>>From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>Sent: Friday, August 08, 2014 9:01 PM
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>>
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>>
>
>--
Mike KC7NOA

33556. Materials used in RF fields

Yahoo group: ham-antennas (2014)
Date: 2014-08-09 22:57:18 UTC
From: farrerfolks@...
Topic: 33556 Message: 33556

We have gone around the issue of materials to use and those not to use. My background is in HIGH RF environments. That is RF is the milliwatts to the Megawatts. From broadcast to 24 GHz. The issue of what to use for a passive material is a extremely difficult subject. Materials at low frequencies are not acceptable at low VHF due to intrinsic loss. Called among other things, loss tangent. OK. For our use, at HF, here are some guide lines.

Many materials have varied RF loss characteristics as you go up in frequency. Stuff at 3 MHz and below are fine up to a point where the loss tangent, susceptibility to RF, gets to the point of causing power to be dissipated in the material.

Same with any formulated adhesives. Especially during the curing process. I have not seen any manufacturer that is willing to put forth any data on the RF characteristics during the curing process. For good reason, too many variables.

So rule of thumb. Use known materials and formulations. Relax, let the process work. Then get to it.

If you want to go further on materials, let me know, I have lot of experience in High Power RF materials.

IMHO

Mel, K6KBE

33557. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 00:41:03 UTC
From: Richard Schmuke
Topic: 33447 Message: 33557

The smell is a vinegar smell, actually acetic acid from original or now called type I (one), newer RTV type II (two) is non corrosive. It all worked fine months ago as a 40M antenna when first made.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, August 09, 2014 5:39 PM
To: ham-antennas@yahoogroups.com
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Mike the answer is yes. Consider this. The RTV is a liquid with a certain level of conductivity as the material cures out. During that time, IF you put two pieces together in a microwave they will flash. Wait 24 hours and, NO flash. Simply follow the directions of use. Until fully cured. This probably does not answer the original question. I brought it up as a precautionary thought.

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that if it broke it was like replacing window glass.

But I do remember that you had to use a special RTV? silicone to seal it in with and then

let it set for 24 hours before operating the oven for 15 minutes with a quart water load.

(This was about 40 years ago).

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http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert011_zps2248882b.jpg.html

The assembly inspector will be fired for lack of attention, no special treats for 72 hours.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert005_zps78008c01.jpg.html

I ran a quick check on the MFJ-259B by making a quick & dirty dipole with a BNC twin binding post fitting, some silver plated 18 ga, center conductor end held by a string to a 8 ft step ladder the shield end to a lawn chair. Eye balled at 23’1” and MFJ said SWR was 1.3:1 so it can work at 10MHz. Got to be a glitch in the antenna. All parts covered now by non-corrosive RTV so I will take down, clean up and start over.

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Just a reminder that there is a MFJ-259,YahooGroup

Lots of good info there.

mfj-259@yahoogroups.com

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Ken k5jxl
PacketRadio is Still
Alive.....Mississippi.....145.010.....Simplex.....1200 baud Baud

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--
Mike KC7NOA

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

--
Mike KC7NOA

[Non-text portions of this message have been removed]

33558. uploading sound files to this forum

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 03:17:52 UTC
From: p_chap@...
Topic: 33558 Message: 33558

Could someone advise me on how to upload any format or any codec to this forum as it would represent my RFI demo, no need for video, audio is fine.

Any time you plan a weekend to chase down RFI and have pretty much free reign to unplug everything and turn off the main, the RFI ain't gonna happen. It varies in the crackle a little bit although not much, signal wise constant s9 plus 10 dead on. After a week long 24/7 S9+10db RFI. and it has been so steady, I have started to look at things that are common to find the solution.

The first thing I look at is the guy down the street. I can both expect, predict, and even depend on him being drunk and half talking, half singing, each day and every day. I would not exactly call it anything from the Sound of Music nor a classic from Pavarotti, who is still spinning in his resting place over Freddy Mercury and Montserrat Caballé. Today, I have not heard him, and I have not heard the RFI. Is this the possible source? Obviously he is full of foul emissions that could very well be the source. When walking in my yard I have heard many foul emissions from this neanderthal, even though he does not own a radio. I have not heard him since last night when the RFI stopped. I do have a second thought. The drunk down the street was buds with the drunk that moved that blew up his pickup truck, so maybe there was a plasma deal done that helps to connect the dots.

My second issue is my wife. Not long after getting home yesterday, she put on some weird tin foil type dress, and shortly thereafter I noticed there was no RFI in the radio. I had no choice and I could not take a chance. I quickly wrapped her in amalgamated tape and put one end of the auto jumper cables on the dress and she is currently tied to a totem pole in the yard with the other end of the jumper cables going to the ground rod. At this point, I have not decided whether she will be traveling or not this week. It will be based on results of the other outside factors.

My third concern is the pooch, the dog.....unlike all others that you see in comics with thought balloons that display perfect English., she is quite different. The only things I ever see in her thought balloons are one's and zero's and lately I have gotten quite concerned as there are pauses and at times I get numbers of zero through nine and letters of A through F. When it gets to that level I feel it is a scary situation and possible source of the problem.

Well I said I would report back with a progress report and like it or not sometimes you can not fix something without the broken symptoms.

Surely when creating filler, you have to come up with a bit that is not quite true.....in order to help you differentiate, the only stories I have mentioned here that are true are the ones about the neighbor, the wife, and the dog.

Please do not forget to answer my question on sound files. Regarding the RFI, you have to have failure to find success.....hope the snarky humor gave you a laugh or two

33559. MFJ Analizer/ SO-239

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 11:46:37 UTC
From: Richard Schmuke
Topic: 33447 Message: 33559

I like your so 239 mount :-)

Looks nice

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----

Thanks Sigi , for others , a quick and easy SO-239 mount can be made with a small section of alum angle and a few holes . This lets me attach my coax to the treated 4x4 pole. Radial attachment at the second picture. Note: this was from a multi band vertical antenna that did not work, too much interaction or was this the start of the RTV problem? No matter next week it will be remade.

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert008_zps42074abd.jpg.html

http://s1102.photobucket.com/user/KD0ZZ/media/Multi%20Band%20Vert/MBVert003_zps499123ac.jpg.html

Rich,Kd0zz

33560. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 12:17:19 UTC
From: ke7zag@...
Topic: 33447 Message: 33560

Hi Rich, I have been following this thread and finally saw the photos with the pressure treated lumber and the connectors. Pressure treated lumber is conductive because of the metal salts used to retard rot. It will usually remain so as long as there is any moisture in the lumber, and in some cases it continues to be just slightly more conductive than Mylar for its useful life.
Not sure if that has anything to do with your issue, but back in my wood products days we issued cautions about using pressure treated lumber around electrical and RF applications unless steps were take to insulate conductors from the lumber.
73's
Randy

33561. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 13:10:33 UTC
From: Richard Schmuke
Topic: 33447 Message: 33561

You provide another reason for a complete rebuild. My original was to insulate from the post with a PVC sleeve but I took the easy way out and bored a hole down the center of the 4x4 for a slip fit to the aluminum tube.. The lower 6” of tubing is double walled and then a SS #10 machine bolt conducts to the outside. Plenty of opportunity for problems you describe. One question still remains, how did it work OK as a 40M (7MHz) antenna? The MFJ provided good readings with my quick and dirty dipole yesterday so it can operate on 10MHz with no problem thus giving more creditability to you idea for a source to the problem.

Any one else have a problem with treated wood??

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, August 10, 2014 7:17 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] MFJ Analizer

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73's

Randy

[Non-text portions of this message have been removed]

33562. RE: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 14:06:24 UTC
From: Richard Schmuke
Topic: 33447 Message: 33562

Randy, using a good Fluke meter I get 10MOhm’s from my vertical to a clamping bolt thru the 4x4 & 2x6’s but then this is at DC. Thinking back to when I tried to use this post as a “fan type” vertical all the readings on the higher band could not be tuned in. Time for a rebuild with insulation.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, August 10, 2014 7:17 AM
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Randy

[Non-text portions of this message have been removed]

33563. AW: [ham-antennas] MFJ Analizer

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 14:14:28 UTC
From: siegfried jackstien
Topic: 33447 Message: 33563

Rich ... of it does work when dry also check after a heavy rain (especially if NOT well insulated) ... that may cause a slight or heavy detuning

Greetz

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 10. August 2014 14:06
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] MFJ Analizer
>
>
>
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> conductors from the lumber.
>
> 73's

>
> Randy
>
> [Non-text portions of this message have been removed]
>
>
>
>

33564. Mystery antenna photo

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 14:50:15 UTC
From: Rodney Byam
Topic: 33564 Message: 33564

Out here in the sticks we still use the four bowtie UHF antenna for TV, some of those frequencies have been abandoned because of the digital change out so it possible could be used for ham use

Rodney Byam

N0GQM

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33565. Re: [ham-antennas] Balcony antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 17:33:00 UTC
From: Ron Youvan
Topic: 33530 Message: 33565

On 08/07/2014 10:05 PM, Wayne VE3JET wayne58@...:

> I am just getting back into HF after selling my house a the 60 ft. hd
> tower and TH6Dxx antenna duet health. I installed a MFJ balcony antenna
> that uses loading coil and opposite end about 10 ' away a 75m. hamstick.
> I can not get a good ground plane. First I used the metal railing and no
> luck Then auto tuner with 6 lengths of 1/4 wave wire and swr is still
> way out of range. The rig is a Yaesu FT-897d.
/*snip*/

You could always stick a 30' telescoping fiberglass pole out the
window with a 43' supple wire up through the center with the excess
hanging down with a good antenna tuner for all HF bands. You might need
to drop a 43' tiger-tail down the side of the building as a
counterpoise, if a ground wire to the radiator or electrical ground
system isn't helpful. (when not in use the pole can be pulled in and
collapsed into a ~4' pole and a coil of wire, any tiger tail retracted)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33566. Re: Materials used in RF fields

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 18:25:24 UTC
From: ac2gl@...
Topic: 33556 Message: 33566

Is there a reference somewhere for materials and their losses versus frequency?
I've only seen it occasionally on data sheets, and even then only for some materials.
73 Dave - AC2GL

33567. Re: Mystery antenna photo

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 18:38:46 UTC
From: jferrell13@...
Topic: 33564 Message: 33567

One of my all time favorites for 439mhz ATV!
I have been thinking of trying it for Digital TV, the cable rates are really bad...
W8CCW

33568. Portable tripods question

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 19:19:28 UTC
From: Keith Heimbold
Topic: 33568 Message: 33568

I am about to move into a house with a large backyard with no significant sized trees (just a couple fruit trees) and no ability to put up or nail anything to the house or Dig holes in the ground.

I was curious about using a tripod like the MFJ 1919 for a HF vertical antenna (like a 5BTV) or a small 6m beam (two or three element). Would the tripod provide enough support for either antenna. Just curious. I would probably take it down after each use so my landlord won't be bothered by it. I would use a radials for the vertical like the stub tuned ones I made long ago for the butternut HF6V.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

33569. Re: Portable tripods question

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 19:52:29 UTC
From: Dave Holcomb / K9DBA
Topic: 33568 Message: 33569

I think a tripod would work for your needs and if you can guy it if there is wind all the better.
I recommend using a heavier military type tripod from go vertical usa.

contact info is: john@...

--

Dave Holcomb
21044 Sherman Way
Suite 202
Canoga Park CA 91303

K9DBA

33570. Re: [ham-antennas] Re: Portable tripods question

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 20:06:54 UTC
From: Keith Heimbold
Topic: 33568 Message: 33570

I appreciate the recommendation. The "portable" military towers look interesting albeit pricey. They have a portable 23' retractable tower for $599. Looks very interesting to me.

Keith

Sent from my iPhone please excuse typos

> On Aug 10, 2014, at 12:52 PM, "'Dave Holcomb / K9DBA' kilo9deltabravoalpha@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> I think a tripod would work for your needs and if you can guy it if there is wind all the better.
> I recommend using a heavier military type tripod from go vertical usa.
>
> contact info is: john@goverticalusa.com
>
>
>
>
>
>
>
>
>
>
>
>
> --
>
> Dave Holcomb
> 21044 Sherman Way
> Suite 202
> Canoga Park CA 91303
>
>
> K9DBA
>

33571. I showed off my latest antenna design at the local swap

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 20:54:55 UTC
From: leschyna@...
Topic: 33571 Message: 33571

This is a short video of my latest magnetic loop antenna being used at my booth as a small local swap. If you are curious, the video is MagLoop Display ast SPARC Fest 2014 Leamington Ontario Swap VE3UK Magnetic Loop https://www.youtube.com/watch?v=M1wecU2lDBY

https://www.youtube.com/watch?v=M1wecU2lDBY

MagLoop Display ast SPARC Fest 2014 Leamington Ontar...
https://www.youtube.com/watch?v=M1wecU2lDBY This was the second annual swap for the Sun Parlour Amateur Radio Club (SPARC), and my second year as an exhibitor showing my MagLoop brand. ...

View on www.youtube.com https://www.youtube.com/watch?v=M1wecU2lDBY
Preview by Yahoo

73 Bob VE3UK

33572. MFJ Analizer/Lumber

Yahoo group: ham-antennas (2014)
Date: 2014-08-10 23:03:37 UTC
From: Richard Schmuke
Topic: 33447 Message: 33572

I started the rework and just drilled 4, 1/4” holes thru the 4x4 for clamping the PVC that will hold the vertical and the wood is yellow pine and wet and gummy on the inside with tree sap, it has been outside a year. I do like the smell of yellow pine.

Rich, Kd0zz

Subject: RE: [ham-antennas] MFJ Analizer

Hi Rich,

I have been following this thread and finally saw the photos with the pressure treated lumber and the connectors. Pressure treated lumber is conductive because of the metal salts used to retard rot. It will usually remain so as long as there is any moisture in the lumber, and in some cases it continues to be just slightly more conductive than Mylar for its useful life.

Not sure if that has anything to do with your issue, but back in my wood products days we issued cautions about using pressure treated lumber around electrical and RF applications unless steps were take to insulate conductors from the lumber.

73's

Randy

[Non-text portions of this message have been removed]

33573. Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 18:47:19 UTC
From: ad_prasad@...
Topic: 33573 Message: 33573

Group,

I am looking to build a G5RV because I have the space to accommodate the 102 ft length. I looked at many designs on Internet. All give a horizontal 51 ft long wire length on each half side. However I did not see any reference to the type of wire - i.e., should it be bare or insulated. I think the velocity factor may play a role and make it necessary to reduce the length if insulated. Can someone with experience answer me please? Or, am I looking at an irrelevant issue?

Thank you
Prasad AB3EH

33574. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 18:48:57 UTC
From: Billy McFarland
Topic: 33573 Message: 33574

I wouldn't worry about it and a 1:2 balun is a nice add on where the ladder line meets the coax

73 Billy
GM0OBX

33575. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 18:49:28 UTC
From: Billy McFarland
Topic: 33573 Message: 33575

Sorry should be a 1:1

73 Billy
GM0OBX

33576. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 18:59:46 UTC
From: ad_prasad@...
Topic: 33573 Message: 33576

Bill

Sure. I will have a proper ladder line as a feeder. I will have a 1:1 balun at the end of the ladder line. I will then use a good quality coax from the balun to the rig. My question is what type of wire should I use at 51 feet length? Bare or insulated? If insulated I thought the velocity factor would play a role. Won't it?

Thanks
Prasad AB3EH

33577. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 19:02:34 UTC
From: Billy McFarland
Topic: 33573 Message: 33577

A slight difference but nothing to over concern your self with. Solid copper is fine I prefer insulated but won't worry about it effecting the antenna that much. I've made a half size with the sizes on line with insulated wire. Didn't make any difference.

73 Billy
GM0OBX

33578. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 19:11:05 UTC
From: ad_prasad@...
Topic: 33573 Message: 33578

Great reply. Thank you, off to Homedepot to get the wire...

73
Prasad AB3EH

33579. RE: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 19:18:22 UTC
From: Billy McFarland
Topic: 33573 Message: 33579

Let us know how it goes

73 Billy
GM0OBX

33580. Re: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-11 21:00:45 UTC
From: kd8bbk@...
Topic: 33573 Message: 33580

sounds like you got most of your questions answered. You will be surprised how well the G5RV works for an all band antenna. Been using them for a several years now and they are good antennas.

Tony KD8BBK

In a message dated 8/11/2014 4:45:06 P.M. Eastern Daylight Time, ham-antennas@yahoogroups.com writes:

Group,

I am looking to build a G5RV because I have the space to accommodate the 102 ft length. I looked at many designs on Internet. All give a horizontal 51 ft long wire length on each half side. However I did not see any reference to the type of wire - i.e., should it be bare or insulated. I think the velocity factor may play a role and make it necessary to reduce the length if insulated. Can someone with experience answer me please? Or, am I looking at an irrelevant issue?

Thank you
Prasad AB3EH

33581. Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 00:33:09 UTC
From: n1fdx@...
Topic: 33581 Message: 33581

How can you determine the performance of your radial field. I have 32 radials somewhere between 20 and 40 Ft surrounding my DXE 43ft vertical. No UnUn, an Icon AH4 at the base remotely controlled. I can see them connected securely to the radial plate and disappear under the lawn. All the radials are #14 or #12 thhn wire. They've been there about 5 years. My concern is are they still there or have they deteriorated.
How can you tell ? The antenna seems to perform OK but have no way to gauge it.

Jay N1FDX

33582. Re: [ham-antennas] Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 04:04:50 UTC
From: Van Lincoln
Topic: 33581 Message: 33582

I would see what the performance is with the radials, and then disconnect
the radials and see if the performance is still good, (still have radials)
and if the performance is a little off, or a large amount off, then you
might check the radials, and an ohmeter that's
sensitive might show some resistance.

Van
wd8aamAt 00:33 8/12/2014, you wrote:

>How can you determine the performance of your
>radial field. I have 32 radials somewhere
>between 20 and 40 Ft surrounding my DXE 43ft
>vertical. No UnUn, an Icon AH4 at the base
>remotely controlled. I can see them connected
>securely to the radial plate and disappear under
>the lawn. All the radials are #14 or #12 thhn
>wire. They've been there about 5 years. My
>concern is are they still there or have they deteriorated.
>
>How can you tell ? The antenna seems to perform
>OK but have no way to gauge it.
>
>
>Jay N1FDX
>
>
>

33583. Re: [ham-antennas] Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 05:46:41 UTC
From: Billy McFarland
Topic: 33581 Message: 33583

As long as there us an electrical connection I would image they would be fine. You could get a multi-meter and dig up the end of the radial to ensure the earth of the connector has conductivity with the end of the radial. If your meter buzzes then you know that the connection is good all the way. How long have they been buried for? I would image they would be fine but you could also add some new ones to make sure. I can remember reading somewhere that a ground mounted vertical really needs around 120 radials for best performance. An raised vertical needs a lot less. If you have the space you can always add some more ;)

73 Billy
GM0OBX

33584. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 09:31:19 UTC
From: Jeffrey Lord
Topic: 33573 Message: 33584

I prefer insulated multistrand wire for my antennas
Mainly because it is easy to obtain and the insulation protects the wire

Jeff
Vk4 fnrs

Sent from my iPhone

33585. Re: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 12:18:23 UTC
From: Bas@...
Topic: 33573 Message: 33585

I'm using the G5RV too for quite some time now.It works perfectly, however you need a good tuner en use a good chokebalun at the coax connection with the feederline.Bas,ON2NSV.

33586. Loaded verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 13:44:37 UTC
From: vaclav_sal@...
Topic: 33586 Message: 33586

I am looking for a REPUTABLE source / study on how location of loading coil affects vertical antenna.
I consider WiIliam Orr's books to be such reputable source, got some.
I am not looking for construction "how to" or " I worked DXCC in ...with this antenna.."

I appreciate your time so let's be reciprocal.

73 Vaclav AA7EJ

33587. Antenna spacing help needed

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 13:45:41 UTC
From: myfamilydotcom@...
Topic: 33587 Message: 33587

My current antenna system includes a 32-foot self-support tower supporting an HF beam & a VHF beam. The tower, antennas and rotor were all second-hand projects that I obtained and repaired/rebult.

I have a new 6 meter beam that I am thinking of adding to this tower.

My question is about antenna spacing...

My tower supports the Mosely TA-33-M-WARC beam just above the thrust bearing (at the 32 foot level), and the vertically-mounted VHF Cushcraft A148-10S 5.5 feet above the HF beam. At the time I designed this layout I asked both Cushcraft and Mosely support for advice on the spacing and to be honest neither company gave me much well-thought-out advice. Our tower-work season here is so short I really cannot afford the time to put things up and take them down over and over again to test as much as I'd like to, but I like the way these antennas currently work so I think I may have sufficient spacing. Since the HF beam is horizontal and the VHF beam is vertical I suspect that there may not be much interaction at all between them as currently built.

Here's the question:

While vacationing in Maine last week I bought a used Cushcraft A503S which is a 3-element 6 meter beam. If possible I'd like to lengthen my mast at the tower and place the new 6-meter beam horizontally between the HF beam and the VHF beam. What I really would like to know is how much spacing I really need to do that so that these antennas don't get messed up, since I won't have time to raise and lower it over and over again and I don't want to go all winter with a messed up HF or VHF antenna system.

The rotor and current antenna loads are well below their specified load ratings, and the Cushcraft A503S won't push me over the limits if extension heights are reasonable.

If this were yours, what spacing would you use? Are there experts who have plenty of practical experience you could refere this to? Possibly the old-timers have rules of thumb backed up by theory and a lot of practical experience that I don't have.

Review:

Top VHF beam mounted vertically is a Cushcraft A148-10S (12 foot long boom, 10-element) Middle 5 Meter beam is Cushcraft A503S mounted horizontally (6 foot long, 3 element) Bottom Mosely TA-33 M-WARC HF beam mounted horizontally (14 Foot boom, 4 element, covering 10, 12, 15, 17 and 20 metres) starting atthe 32 Foot point Rotor is Alliance HD-73-1 mounted inside the tower about 3 feet below the tower top where there is a thrust bearing.
Thanks

Kevin

VE9-XYZ

33588. Re: [ham-antennas] Loaded verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 14:30:11 UTC
From: ka9p@...
Topic: 33586 Message: 33588

There's a very good pragmatic two part article by Barry Booth in QEX this year that deals with location of loading coils and the effect on verticals.

73 Scott

In a message dated 8/12/2014 8:44:41 A.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

I am looking for a REPUTABLE source / study on how location of loading coil affects vertical antenna.
I consider WiIliam Orr's books to be such reputable source, got some.
I am not looking for construction "how to" or " I worked DXCC in ...with this antenna.."
I appreciate your time so let's be reciprocal.
73 Vaclav AA7EJ

33589. Re: [ham-antennas] Loaded verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 14:34:50 UTC
From: Mel Farrer
Topic: 33586 Message: 33589

Not sure, but I think Cebik did a section in his works on the subject of verticals and eff with respect to coil location.. Will see if I can find it.

Mel, K6KBE

On Tuesday, August 12, 2014 7:30 AM, "ka9p@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

There's a very good pragmatic two part article by Barry Booth in QEX this year that deals with location of loading coils and the effect on verticals.

73 Scott

In a message dated 8/12/2014 8:44:41 A.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

>
>
>I am looking for a REPUTABLE source / study on how location of loading coil affects vertical antenna.
>I consider WiIliam Orr's books to be such reputable source, got some.
>I am not looking for construction "how to" or " I worked DXCC in ...with this antenna.."
>I appreciate your time so let's be reciprocal.
>73 Vaclav AA7EJ

33590. Re: Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 16:18:21 UTC
From: John RC
Topic: 33581 Message: 33590

A quick antenna tip: For any newly installed antenna system, after it is tuned to your favorite frequency (frequencies for a multiband), check and write down the swr. Comparing new readings with your originals will let you know if anything has changed.

John
K0EBC

33591. Re: Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 16:41:51 UTC
From: k9jfk@...
Topic: 33581 Message: 33591

Hi Jay,As others have mentioned, your radials are OK. The only time I've seen a problem with deteriorating radials is when made from Aluminum wire and put into acidic soil; they disappear in about two years. Copper, especially insulated copper, should have no problems for many many years unless they get dug up or cut. AM radio stations have many very long radials made from copper; they are good for the life of the station. Keep a record of your antenna's SWR in a log; check around the same time of year on each band. If you check it seasonally, there will be some differences between Winter, Spring, Summer, etc. Depends on the vegetation and rainfall.I have over 50 insulated copper wire radials for my vertical antenna; half are buried and the other half were stapled to the ground. Neither have given me a problem.Now, how to check them if absolutely needed. First, we know they are all shorted together at the radial plate. Use a metal detector to located the wires and find the far ends. Dig just the ends up and put an ohm meter between adjacent wire ends. It should show a couple of ohms caused by the wire, but any low reading means the wires are OK. I've found that copper wires in the ground can be hard to find unless a decent detector is used. Contact a local detector club for help, if needed.73, Jimmie, K9JFK

33592. Re: Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 17:45:31 UTC
From: teckserve@...
Topic: 33581 Message: 33592

if you can find a signal.. see what it looks like, then disconnect the radials & re check it.. but Like other say, if the swr is good. & you haven't noticed any degradation in signal.. they are prob fine.

33593. Re: [ham-antennas] Re: Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 18:35:31 UTC
From: Ron Youvan
Topic: 33581 Message: 33593

On 08/12/2014 01:45 PM, teckserve@... [ham-antennas] wrote:

> if you can find a signal.. see what it looks like, then disconnect the
> radials & re check it.. but Like other say, if the swr is good. & you
> haven't noticed any degradation in signal.. they are prob fine.

Remember, all 1/4 wl vertical antennas exhibit a better (less
reflected power) SWR without radials than they do with good radials.
(50 Ohms verses 37 Ohms because dirt becomes part of the system)

Observing the receive signal levels depends on setting the receiver's
AGC off and the RF gain at a fixed value.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33594. RE: [ham-antennas] Re: Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 19:06:17 UTC
From: jim burns
Topic: 33581 Message: 33594

I used to service a local 5000W AM station. We hired Robinson Tower Company from NC to move the antenna system to a better location. Mr. Stanley Robinson brought with him a plow which he had modified to plow wire radials into the ground. We hired a local farmer and his tractor to do the dirt work. Can't remember if it was 12 ga. or 10 ga. wire but we plowed in about seven (7) miles of copper taking each of the 200 or so radials to the property line. The installation put out a pretty good signal on 1290 KHz.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, August 12, 2014 12:42 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Radial performance

Hi Jay,As others have mentioned, your radials are OK. The only time I've seen a problem with deteriorating radials is when made from Aluminum wire and put into acidic soil; they disappear in about two years. Copper, especially insulated copper, should have no problems for many many years unless they get dug up or cut. AM radio stations have many very long radials made from copper; they are good for the life of the station. Keep a record of your antenna's SWR in a log; check around the same time of year on each band. If you check it seasonally, there will be some differences between Winter, Spring, Summer, etc. Depends on the vegetation and rainfall.I have over 50 insulated copper wire radials for my vertical antenna; half are buried and the other half were stapled to the ground. Neither have given me a problem.Now, how to check them if absolutely needed. First, we know they are all shorted together at the radial plate. Use a metal detector to located the wires and find the far ends. Dig just the ends up and put an ohm meter between adjacent wire ends. It should show a couple of ohms caused by the wire, but any low reading means the wires are OK. I've found that copper wires in the ground can be hard to find unless a decent detector is used. Contact a local detector club for help, if needed.73, Jimmie, K9JFK

33595. RE: [ham-antennas] Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 19:27:57 UTC
From: Scott Myers
Topic: 33581 Message: 33595

Jay,

If you used 14 and 12 gauge copper THHN, the radial field will outlive you! No need to check it. The PVC insulation will stop it from deteriorating, but and even bare copper holds up well in the ground. And you used quite heavy wire, so it is mechanically strong as well. The only way the radials are going to break is if you have a herd of cattle or horses trampling around the radial field with their hooves. Or maybe a kid bouncing on a pogo stick. Short of that, they're fine.

You do need to check the connection end from time to time making sure that is good. Mechanical connections do oxidize. It's the only place you need to inspect every year or so. It's a good idea to goop up the connections with something to keep the weather off; paint, RTV, coax seal, etc. And of course the coax shield's connection path to the radial system needs checked as well.

Someone mentioned 120 radials being the point of "best performance". Well sure... if you want to spend the money, but unnecessary. I think commercials stations have to have 150. The fact of the matter is that 64 radials a bit longer than your radiator is tall is the real point of diminishing returns. Above 64 radials (which gets you to about 90% efficiency), you make just single percent point gains. Definitely not worth the money, as the stations at the other end won't be able to tell the difference as you are talking fractions of an S-unit.

A lot to read on the subject from N6LF, who many manufacturers and the ARRL rely on for radial info.

http://www.antennasbyn6lf.com/design_of_radial_ground_systems/

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, August 11, 2014 8:33 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Radial performance

How can you determine the performance of your radial field. I have 32 radials somewhere between 20 and 40 Ft surrounding my DXE 43ft vertical. No UnUn, an Icon AH4 at the base remotely controlled. I can see them connected securely to the radial plate and disappear under the lawn. All the radials are #14 or #12 thhn wire. They've been there about 5 years. My concern is are they still there or have they deteriorated.

How can you tell ? The antenna seems to perform OK but have no way to gauge it.

Jay N1FDX

33596. A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 19:45:52 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33596

Gents:

I have run into a problem here which, at least to me and a couple of other folks, we regard as "serious".

I am one of several people who are trying to make reliable contact for EMCOMMS purposes with a ham in Alaska, "Ed" Trump AL7N in Fairbanks, on 14115 CW.

His antenna is a 1.5 wavelength vee-beam pointed in "our" direction, and his power output is around 50 watts.

I have been having a very difficult time making reliable CW contact with him, despite running 600 watts output to my 55' vertical.

Within minutes of my being able to just barely hear him, and vice-versa, I make very reliable contact with Jerry KL7EDK on 14064 kHz, who is also in Fairbanks, via PACTOR, when I am running 50 watts, and Jerry is running around 30 watts output. Jerry's signal is WAAAAAAY above my noise level, whereas Ed's is at or below the noise level. Jerry's antenna is a compromise of some sort: a dipole I believe.

What I would like to request is to have someone here who knows how to do it to model Ed's antenna to see what its radiation pattern might be.

I hope to have all the necessary parameters later today.

I suspect his signal is bouncing over mine, and vice versa.

Any suggestions you folks might have would be very sincerely appreciated.

Ken W7EKB

33597. Re: [ham-antennas] Antenna spacing help needed

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:19:34 UTC
From: Van Lincoln
Topic: 33587 Message: 33597

```
Question: What is an adequate beam antenna
spacing between them on the same antenna mast to
prevent problematic interaction?
```

1.
<http://www.google.com/url?url=http://en.wikipedia.org/wiki/Television_antenna&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CBQQFjAA&usg=AFQjCNF5PISJ0I4cFHp2reMBB1HUx8_Law>Television antenna<http://www.google.com/url?url=http://en.wikipedia.org/wiki/Television_antenna&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CBQQFjAA&usg=AFQjCNF5PISJ0I4cFHp2reMBB1HUx8_Law>
- Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/Television_antenna
o
<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:35pSnNGL8l4J:http://en.wikipedia.org/wiki/Television_antenna%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CBcQIDAA&usg=AFQjCNE3IGwJ5kgO5Y9Uf7dj3IrhKP47pw>Cached
o
<https://www.google.com/search?hl=en&gbv=2&q=related:en.wikipedia.org/wiki/Television_antenna+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CBgQHzAA>Similar
Montage of four professional US omnidirectional base-station antennas ... and "
outdoor" antennas, mounted on a mast on top of the owner's house. .... the
antennas interfering with each other, the
vertical spacing between the booms ...
antennas to the signal splitter/merger be exactly
the same length, to prevent ....
Interaction.
2.
<http://www.google.com/url?url=http://www.f4azf.com/crbst_2.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CBoQFjAB&usg=AFQjCNHfuHCFTvtAzVw6v-pItr_KsdMHqA>Stackings
dis-similar ants - F4azf.com
www.f4azf.com/crbst_2.html
o
<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:i_ViEXjdf5AJ:http://www.f4azf.com/crbst_2.html%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CB0QIDAB&usg=AFQjCNHkEVtNPuIhzPueJXy5Q8DecH447A>Cached
The problem is that most hams are lucky to have one tower and then they try to
stuff ... At higher frequencies, the antenna is
smaller and cannot collect the same
... distance for zero interaction, then, is 64
plus 37 inches, or 101" total spacing. ...

In my experience, unless you can instantly switch
back and forth between them, ...
3. [PDF]
<http://www.google.com/url?url=http://manuals.solidsignal.com/AntInstallGuide.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CB8QFjAC&usg=AFQjCNEsOzgmXPB75WgG9SnkXAJquBAAKQ>Off-Air Antenna<http://www.google.com/url?url=http://manuals.solidsignal.com/AntInstallGuide.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CB8QFjAC&usg=AFQjCNEsOzgmXPB75WgG9SnkXAJquBAAKQ>
Installation Guide - Solid Signal
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:L79i8GlCSGwJ:http://manuals.solidsignal.com/AntInstallGuide.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCIQIDAC&usg=AFQjCNHdlyw22LYz8hjvOdK5eGGCATBv9g>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:manuals.solidsignal.com/AntInstallGuide.pdf+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCMQHzAC>Similar
between the tower and the receiving antenna, and
the .... The principal parts of a
basic Yagi-type TV antenna. ... if two antennas
have the same front-to-back ratio,
the ... Locate and avoid power lines and other
wires .... sound to ensure that the
signal levels are adequate ..... tar or other
sealant to prevent leaks around them.
4.
<http://www.google.com/url?url=http://www.eham.net/ehamforum/smf/index.php%3Ftopic%3D12874.0%3Bwap2&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCUQFjAD&usg=AFQjCNH54K2aaJ85XaQ5KBTU73WFreU73w>Antenna<http://www.google.com/url?url=http://www.eham.net/ehamforum/smf/index.php%3Ftopic%3D12874.0%3Bwap2&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCUQFjAD&usg=AFQjCNH54K2aaJ85XaQ5KBTU73WFreU73w>
Stacking - eHam.net
www.eham.net/ehamforum/smf/index.php?topic=12874.0;wap2
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:bunJ1J9gpeQJ:http://www.eham.net/ehamforum/smf/index.php%3Ftopic%253D12874.0%3Bwap2%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCgQIDAD&usg=AFQjCNGD14sZ1KpuS4IRvsI72fhsSJjlnQ>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:www.eham.net/ehamforum/smf/index.php%3Ftopic%3D12874.0%3Bwap2+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCkQHzAD>Similar
If I put up a beam antenna for ten meters and I
want to put my familie's TV ... how
far do they have to be apart so that I don't
cause interference between them? ...

but nothing I read tells me how far apart the
need to be spaced vertically. ...
interaction. ... Assuming you will rotate both
antennas on the same mast (using
the same ...
5.
<http://www.google.com/url?url=http://www.steppir.com/about-steppir&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCsQFjAE&usg=AFQjCNHuwFTI73L-CY4q83fjAnvUhHj8jQ>About
SteppIR | SteppIR, Inc ☐ Antennas for Amateur
Radio and
<http://www.google.com/url?url=http://www.steppir.com/about-steppir&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CCsQFjAE&usg=AFQjCNHuwFTI73L-CY4q83fjAnvUhHj8jQ>...
www.steppir.com/about-steppir
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:3rAIPWCrGK8J:http://www.steppir.com/about-steppir%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CC4QIDAE&usg=AFQjCNEsAM4pVdNogNF5zUk6kV_Izv7GVQ>Cached
o
<https://www.google.com/search?hl=en&gbv=2&q=related:www.steppir.com/about-steppir+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CC8QHzAE>Similar
At this same time, Fluidmotion had created a
working version of the antenna ...
resulting in thirteen antennas being purchased,
all of them 3 element Yagi arrays.
... on one tower without the performance
sacrifices caused by interaction between
all ... It was found this is more than adequate
spacing to insure that the changing
...
6. [PDF]
<http://www.google.com/url?url=http://my.ece.ucsb.edu/York/Bobsclass/201C/Handouts/Chap3.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDEQFjAF&usg=AFQjCNEmA_Q1IzBmi4oCpt_ci5kk_L8hIQ>Fundamental
Properties of
<http://www.google.com/url?url=http://my.ece.ucsb.edu/York/Bobsclass/201C/Handouts/Chap3.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDEQFjAF&usg=AFQjCNEmA_Q1IzBmi4oCpt_ci5kk_L8hIQ>Antennas
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:ghDGu0lbW0MJ:http://my.ece.ucsb.edu/York/Bobsclass/201C/Handouts/Chap3.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDQQIDAF&usg=AFQjCNF3D4kWAg0MVpeAGmnUMuvsB3jAzg>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:my.ece.ucsb.edu/York/Bobsclass/201C/Handouts/Chap3.p

df+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDUQHzAF>Similar
apparent: 1) the antenna-field interaction, and
2) the antenna-circuit interaction.
... that of an isotropic radiator for the same
total radiated power is shown in figure
3.3. ... angular width between the null locations
on either side of the main beam ...
The ratio A/4 describes the fraction of visible
space into which radiation can ...
7. [PDF]
<https://www.google.com/url?url=https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDcQFjAG&usg=AFQjCNEMNCjxME4Yrsvnw347O7bI9IkTPg>Wire
Antennas<https://www.google.com/url?url=https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDcQFjAG&usg=AFQjCNEMNCjxME4Yrsvnw347O7bI9IkTPg>
for the Beginner - ARRL
https://www.arrl.org/files/file/Technology/tis/info/.../0683033.pdf
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:k4oDKz_OBIEJ:https://www.arrl.org/files/file/Technology/tis/info/pdf/0683033.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDoQIDAG&usg=AFQjCNFlKOnceuwauuHCkfFPN5dPdYFg7g>Cached
Every ham knows how to make and install wire antennas. ... goal is to work the
long path between New ... port a wire beam aimed
at your favorite .... insulated to
prevent shocks and burns. .... hook screwed into
the top of a mast for ... ductors
occupy almost the same space, the .... preferable to placing them on the same
side.
8.
<http://www.google.com/url?url=http://www.gapantenna.com/superc_how.htm&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CDwQFjAH&usg=AFQjCNE39ePMbNiSR0oVmMXW2h4aB5GsJA>HOW
AND WHY IT WORKS
www.gapantenna.com/superc_how.htm
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:6Wk93trrKWIJ:http://www.gapantenna.com/superc_how.htm%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CD8QIDAH&usg=AFQjCNFt_9J-8wNdKRFwE7acdmt-So8CLA>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:www.gapantenna.com/superc_how.htm+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEAQHzAH>Similar
For the past 80 or 90 years an antenna had to be
1/4 or 1/2 wave long to ... The
typical, tall, vertical aluminum mast is gone,

and replaced with a short, large ... To
understand the major difference between these antenna types, MDR and EDR, ...
two close spaced (1") copper plates with 50 volts
and then drag the same wire ...
9.
<http://www.google.com/url?url=http://www.fcc.gov/oet/rfsafety/rf-faqs.html&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEIQFjAI&usg=AFQjCNECqFvQp0K6iasLMvxjISokZQz_uQ>OET
-- RF Safety FAQ's - FCC
www.fcc.gov/oet/rfsafety/rf-faqs.html
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:U3UpyvS51YsJ:http://www.fcc.gov/oet/rfsafety/rf-faqs.html%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEUQIDAI&usg=AFQjCNEf_hRxnxdK22tHA9oplgXz66VdDA>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:www.fcc.gov/oet/rfsafety/rf-faqs.html+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEYQHzAI>Similar
Jun 25, 2012 ... Are emissions from radio and
television antennas safe? ... moving together (i.e.,
radiating) through space at the speed of light.
... This process requires interaction
with high levels of electromagnetic energy. ...
that rapidly heats the material being
processed in the same way that a microwave oven cooks food.
10. [PDF]
<http://www.google.com/url?url=http://www.qsl.net/kb7tbt/manuals/arrl/ARRL%2520HANDBOOK%2520-%2520Antenna%2520Project.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEkQFjAJ&usg=AFQjCNE7ZgaJZAyUqCN509lZiLOrHEwUAg>Chapter
20 -
Antennas<http://www.google.com/url?url=http://www.qsl.net/kb7tbt/manuals/arrl/ARRL%2520HANDBOOK%2520-%2520Antenna%2520Project.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEkQFjAJ&usg=AFQjCNE7ZgaJZAyUqCN509lZiLOrHEwUAg>
and Projects - QSL.net
www.qsl.net/.../ARRL%20HANDBOOK%20-%20Antenna%20Project.pdf
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:07ox7-nLqPAJ:http://www.qsl.net/kb7tbt/manuals/arrl/ARRL%252520HANDBOOK%252520-%252520Antenna%252520Project.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CEwQIDAJ&usg=AFQjCNHiPMefhEDPaAe-Ronp8lv1BQQrqA>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:www.qsl.net/kb7tbt/manuals/arrl/ARRL%2520HANDBOOK%2520-%2520Antenna%2520Project.pdf+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=pHPqU8egEs2MyATSv4KoDw&ved=0CE0QHzAJ>Similar
Lower frequency antennas, operating between 2 and 10 MHz, should also be

kept .... in that the intensity of radiation is
not the same in all directions ... a dipole,
also located in free space, gain is expressed in
dBd. ..... teraction between them
and the ..... Certain combinations of tower height and Yagi top loading can
interact ...
1. [PDF]
<http://www.google.com/url?url=http://wndw.net/pdf/wndw3-en/ch05-antennas-transmission-lines.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBQQFjAAOAo&usg=AFQjCNE7P1AFVfGm4LvAlw1xaCmfrnPGJA>5.
antennas / transmission lines - Wireless Network
in Developing
<http://www.google.com/url?url=http://wndw.net/pdf/wndw3-en/ch05-antennas-transmission-lines.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBQQFjAAOAo&usg=AFQjCNE7P1AFVfGm4LvAlw1xaCmfrnPGJA>...
wndw.net/pdf/wndw3-en/ch05-antennas-transmission-lines.pdf
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:RqdJxg0ccPEJ:http://wndw.net/pdf/wndw3-en/ch05-antennas-transmission-lines.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBcQIDAAOAo&usg=AFQjCNGdv4XmGqBe3B7mdqoY2dFPa2SuQA>Cached
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<https://www.google.com/search?hl=en&gbv=2&q=related:wndw.net/pdf/wndw3-en/ch05-antennas-transmission-lines.pdf+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBgQHzAAOAo>Similar
=e transmitter that generates the RF power to
drive the antenna is ... connecting
link between the two is the RF transmission line.
... =e inner conductor carries the
RF signal, and the outer shield prevents ... antenna, even when this means
placing it on a tower. 2. ..... and transmission
cable connecting them must be the
same.
2. [PDF]
<http://www.google.com/url?url=http://lipcsey.gportal.hu/portal/lipcsey/upload/2088_1274194047_02956.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBoQFjABOAo&usg=AFQjCNGW5BNNy5kgBgb7aY_5apGfSrk8aw>(VHF)
DIPOLE
<http://www.google.com/url?url=http://lipcsey.gportal.hu/portal/lipcsey/upload/2088_1274194047_02956.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CBoQFjABOAo&usg=AFQjCNGW5BNNy5kgBgb7aY_5apGfSrk8aw>ANTENNA
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<https://www.google.com/search?hl=en&gbv=2&q=related:lipcsey.gportal.hu/portal/lipcsey/upload/2088_1274194047_02956.pdf+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CB0QHzABOAo>Similar
although this is not absolutely necessary, it can
help prevent asymmetry in ...

Yagi Antenna. The Yagi antenna was originally investigated by Uda and subse-
.... them all of uniform length. ..... spacing
between the driven element and the
reflector is reduced ..... cal stub mast and a
second antenna for the same band (
bayed.
3.
<http://www.google.com/url?url=http://www.telonics.com/products/vhfAntennas/RA-NS.php&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CB8QFjACOAo&usg=AFQjCNFJL80u13MP-blhpV2zb_bT9bvOmQ>RA-5B
VHF
Antenna<http://www.google.com/url?url=http://www.telonics.com/products/vhfAntennas/RA-NS.php&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CB8QFjACOAo&usg=AFQjCNFJL80u13MP-blhpV2zb_bT9bvOmQ>
| Telonics, Inc.
www.telonics.com/products/vhfAntennas/RA-NS.php
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:5HilpbLAHOAJ:http://www.telonics.com/products/vhfAntennas/RA-NS.php%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCIQIDACOAo&usg=AFQjCNFaWD7XExzp4bbzg6xtAmBGyPEilg>Cached
Nov 13, 2013 ... The RA-NS series employs two
beam antenna arrays, critically ... the use of a
truthing or beacon transmitter is adequate to
maintain the accuracy of the system.
... or RA-3 be mounted on a mast 20-30 feet above the ground to avoid ...
Spacing between two antennas remains the same, regardless of the type ...
4.
<http://www.google.com/url?url=http://www.google.com/patents/CA2263422C%3Fcl%3Den&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCUQFjADOAo&usg=AFQjCNE1XChFPUtzH6S0jRhsC8tiwBYqww>Patent
CA2263422C - Antenna for nonterrestrial mobile
...<http://www.google.com/url?url=http://www.google.com/patents/CA2263422C%3Fcl%3Den&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCUQFjADOAo&usg=AFQjCNE1XChFPUtzH6S0jRhsC8tiwBYqww>
- Google
www.google.com/patents/CA2263422C?cl=en
Furthermore, the control signals exchanged between the non-terrestrial ... are
architected to avoid the possibility of
interference with ground-based cell site ... at
least one antenna mast; and non-terrestrial antenna means, mounted on .....
multiplexed on to the same carrier, with the 30kHz spacing between adjacent
bands.
5. [PDF]
<https://www.google.com/url?url=https://www.ic.gc.ca/eic/site/smt-gst.nsf/vwapj/antennareport-e.pdf/%24FILE/antennareport-e.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCcQFjAEOAo&usg=AFQjCNFdXDCfffAnMYqi2nUrTm-uNbtJQQ>Report
on the National Antenna Tower Policy
...<https://www.google.com/url?url=https://www.ic.gc.ca/eic/site/smt-gst.nsf/vwapj/antennareport-e.pdf/%24FILE/anten

nareport-e.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCcQFjAEOAo&usg=AFQjCNFdXDCfffAnMYqi2nUrTm-uNbtJQQ>
- Industrie Canada
https://www.ic.gc.ca/eic/site/smt-gst.../antennareport-e.../antennareport-e.pdf

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the local consultations that occur between antenna proponents, land-use
authorities and .... same time respecting the environment, public health,
community goals and .... notice when the site
re-opened, to inform them that an
update on the status of ..... lights required to
produce a beam of light, the width of
the beam and the ...
6. [PDF]
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22 -
<http://www.google.com/url?url=http://mxh.strefa.pl/pliki/tech/book2006/22.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CCwQFjAFOAo&usg=AFQjCNHKQt2D0lgGTvR79scfRsTd1GK1Mg>Antennas
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circuit should have the same polarization; ..... 14 MHz with antenna heights
between 40 ..... interaction among the various elements, some pruning for
resonance may be ..... However, once you do
figure out exactly how to use them,
computer ..... tubing is entirely adequate. ...
the mast above the HF-band beam
antenna.
7. [PDF]
<http://www.google.com/url?url=http://www.public.navy.mil/spawar/Pacific/Robotics/Documents/Publications/2014/TR_2042.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CDIQFjAGOAo&usg=AFQjCNEP4XL0UL3zYwPghMg0KUi510f3aA>Unmanned
Ground Vehicle Communications Relays - US Navy
www.public.navy.mil/spawar/Pacific/Robotics/.../TR_2042.pdf
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<http://www.google.com/url?url=http://webcache.googleusercontent.com/search%3Fq%3Dcache:cI

baZSLAZCMJ:http://www.public.navy.mil/spawar/Pacific/Robotics/Documents/Publications/2014/
TR_2042.pdf%252Badequate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Ba
ntenna%2Bmast%2Bto%2Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dcln
k&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CDUQIDAGOAo&usg=AFQjCNFdhkHsKX
CKSiXhq0wX-RQh8Fnf3A>Cached
Apr 18, 2014 ... Division, Space and Naval
Warfare Systems Center Pacific (SSC Pacific), ... to
mitigate the line-of-sight problem associated
with modern ... of the antenna must
keep the mast height beyond the minimum ... An
Ethernet link is normally used to
communicate between the robot ..... This type of interaction led to.
8. [PDF]
<http://www.google.com/url?url=http://bprc.osu.edu/water/publications/WATERHM_FirstDocumen
t_Final.pdf&rct=j&frm=1&q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CDgQFjAHOAo&usg=AFQj
CNFFpGQ9UCGh00CVa9uugzhTnTvD9g>First
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uate%2Bbeam%2Bantenna%2Bspacing%2Bbetween%2Bthem%2Bon%2Bthe%2Bsame%2Bantenna%2Bmast%2Bto%2
Bprevent%2Bproblematic%2Binteraction%26hl%3Den%26gbv%3D2%26%26ct%3Dclnk&rct=j&frm=1&q=&esr
c=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CDsQIDAHOAo&usg=AFQjCNGXtmjoz_Agx_0w4cDNvGgTpbeiLg
>Cached
Aug 20, 2007 ... Ocean circulation and
ocean-atmosphere interaction ... aperture radar (SAR)
antennae at opposite ends of a 10 m boom to ... 300 km spacing between orbital
tracks that prevents sampling of two-dimensional ... especially problematic
considering that over ... served by adequate supplies of clean water.
9.
<http://www.google.com/url?url=http://forums.whirlpool.net.au/archive/2201055&rct=j&frm=1&
q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CD4QFjAIOAo&usg=AFQjCNHPHsf9zvpKYWQILqyLnpNw
z_dp_w>Homemade
NextG Yagi - Part 10 - Telstra - Wireless ISPs
<http://www.google.com/url?url=http://forums.whirlpool.net.au/archive/2201055&rct=j&frm=1&
q=&esrc=s&sa=U&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CD4QFjAIOAo&usg=AFQjCNHPHsf9zvpKYWQILqyLnpNw
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55+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problema
tic+interaction&tbo=1&sa=X&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CEEQHzAIOAo>Similar
Dec 30, 2013 ... So has anyone tried to build an
NBN MIMo antenna? ..... Try closer to same
tower, if you get much better speed then devices may help, if not, ...
10. [PDF]
<http://www.google.com/url?url=http://www.arubanetworks.com/wp-content/uploads/OMWN_VRD_20
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FQjCNH3Y6drKAgcuEShAKeqNGFrlTb9Bw>Outdoor
MIMO Wireless Networks (PDF) - Aruba Networks

www.arubanetworks.com/wp-content/.../OMWN_VRD_2012-01-04-1.pdf
o
<https://www.google.com/search?hl=en&gbv=2&q=related:www.arubanetworks.com/wp-content/uploads/OMWN_VRD_2012-01-04-1.pdf+adequate+beam+antenna+spacing+between+them+on+the+same+antenna+mast+to+prevent+problematic+interaction&tbo=1&sa=X&ei=ZnTqU4TaFoaTyAT364CQBg&ved=0CEcQHzAJOAo>Similar
Jan 4, 2012 ... Antenna Beamwidth, Pattern, and
Gain. 33 .... For this reason, IT departments
want to have the same .... invaluable resource
that allows network administrators
to interact with ..... employ directional
antennas between individual mesh nodes,
..... antenna spacing is adequate on the tower (or horizontally on a ...

==========

At 13:45 8/12/2014, you wrote:

>My current antenna system includes a 32-foot
>self-support tower supporting an HF beam & a VHF
>beam. The tower, antennas and rotor were all
>second-hand projects that I obtained and repaired/rebult.
>
>
>
>I have a new 6 meter beam that I am thinking of adding to this tower.
>
>My question is about antenna spacing...
>
>My tower supports the Mosely TA-33-M-WARC beam
>just above the thrust bearing (at the 32 foot
>level), and the vertically-mounted VHF Cushcraft
>A148-10S 5.5 feet above the HF beam. At the time
>I designed this layout I asked both Cushcraft
>and Mosely support for advice on the spacing and
>to be honest neither company gave me much
>well-thought-out advice. Our tower-work season
>here is so short I really cannot afford the time
>to put things up and take them down over and
>over again to test as much as I'd like to, but I
>like the way these antennas currently work so I
>think I may have sufficient spacing. Since the
>HF beam is horizontal and the VHF beam is
>vertical I suspect that there may not be much
>interaction at all between them as currently built.
>
>Here's the question:
>
>While vacationing in Maine last week I bought a
>used Cushcraft A503S which is a 3-element 6

>meter beam. If possible I'd like to lengthen my
>mast at the tower and place the new 6-meter beam
>horizontally between the HF beam and the VHF
>beam. What I really would like to know is how
>much spacing I really need to do that so that
>these antennas don't get messed up, since I
>won't have time to raise and lower it over and
>over again and I don't want to go all winter
>with a messed up HF or VHF antenna system.
>
>The rotor and current antenna loads are well
>below their specified load ratings, and the
>Cushcraft A503S won't push me over the limits if
>extension heights are reasonable.
>
>
>If this were yours, what spacing would you
>use? Are there experts who have plenty of
>practical experience you could refere this to?
>Possibly the old-timers have rules of thumb
>backed up by theory and a lot of practical experience that I don't have.
>
>
>Review:
>
> * Top VHF beam mounted vertically is a
> Cushcraft A148-10S (12 foot long boom, 10-element)
> * Middle 5 Meter beam is Cushcraft A503S
> mounted horizontally (6 foot long, 3 element)
> * Bottom Mosely TA-33 M-WARC HF beam mounted
> horizontally (14 Foot boom, 4 element, covering
> 10, 12, 15, 17 and 20 metres) starting atthe 32 Foot point
> * Rotor is Alliance HD-73-1 mounted inside
> the tower about 3 feet below the tower top where there is a thrust bearing.
>
>Thanks
>
>Kevin
>
>VE9-XYZ
>
>
>
>
>

33598. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:23:17 UTC
From: Mel Farrer
Topic: 33596 Message: 33598

Ken, yes, I would be glad to model it for you as I am sure others will volunteer. I couple of thoughts, Make sure you have the dimension of the open end, height AGL on all three points. Next, the cross polarity is not helping. The low dipole of Jerry is a mixed bag of polarity and pattern both H and V. Look forward to seeing the data.

Mel, K6KBE

On Tuesday, August 12, 2014 12:46 PM, "'Kenneth G. Gordon' kgordon2006@frontier.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Gents:

I have run into a problem here which, at least to me and a couple of other folks, we regard as "serious".

I am one of several people who are trying to make reliable contact for EMCOMMS purposes with a ham in Alaska, "Ed" Trump AL7N in Fairbanks, on 14115 CW.

His antenna is a 1.5 wavelength vee-beam pointed in "our" direction, and his power output is around 50 watts.

I have been having a very difficult time making reliable CW contact with him, despite running 600 watts output to my 55' vertical.

Within minutes of my being able to just barely hear him, and vice-versa, I make very reliable contact with Jerry KL7EDK on 14064 kHz, who is also in Fairbanks, via PACTOR, when I am running 50 watts, and Jerry is running around 30 watts output. Jerry's signal is WAAAAAAY above my noise level, whereas Ed's is at or below the noise level. Jerry's antenna is a compromise of some sort: a dipole I believe.

What I would like to request is to have someone here who knows how to do it to model Ed's antenna to see what its radiation pattern might be.

I hope to have all the necessary parameters later today.

I suspect his signal is bouncing over mine, and vice versa.

Any suggestions you folks might have would be very sincerely appreciated.

Ken W7EKB

33599. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:33:49 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33599

On 12 Aug 2014 at 16:18, Ron Youvan wrote:

> I think your first problem is that he is horizontally and you are
> vertically polarized.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.

But he is 1700 miles from me, and there must be at least one polarity inversion via the ionosphere between us.

I suppose cross-polarity COULD be a problem, but since the other station, KL7EDK, is using a horizontal fan dipole with the center at 45 feet and the ends at 25 feet, I don't see how Ed's antenna polarity can be a factor.

But I've been wrong before....

Ken W7EKB

33600. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:36:53 UTC
From: Mel Farrer
Topic: 33596 Message: 33600

Ken, the dipole at low level is a omni multipolarity radiator. Lots of vertical components.

Mel, K6KBE

On Tuesday, August 12, 2014 1:33 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On 12 Aug 2014 at 16:18, Ron Youvan wrote:

> I think your first problem is that he is horizontally and you are
> vertically polarized.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.

But he is 1700 miles from me, and there must be at least one polarity inversion via the ionosphere between us.

I suppose cross-polarity COULD be a problem, but since the other station, KL7EDK, is using a horizontal fan dipole with the center at 45 feet and the ends at 25 feet, I don't see how Ed's antenna polarity can be a factor.

But I've been wrong before....

Ken W7EKB

33601. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:38:11 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33601

On 12 Aug 2014 at 13:23, Mel Farrer farrerfolks@... [ham-anteRe: [ham-antennas] A problem wrote:

> Ken, yes, I would be glad to model it for you as I am sure others will
> volunteer. I couple of thoughts, Make sure you have the dimension of the
> open end, height AGL on all three points. Next, the cross polarity is
> not helping.

Even at a distance of 1700 miles? I thought there was a polarity inversion, or even polarity rotation, at each transition of the ionosphere, and thus at HF polarity doesn't mean very much over a long distance.

> The low dipole of Jerry is a mixed bag of polarity and
> pattern both H and V. Look forward to seeing the data.
>
> Mel, K6KBE

Thank you, Mel. I appreciate that very much. As soon as I have all the necessary info, I'll pass it on to you.

I suspect Ed's antenna is simply much too low.

Jerry's antenna is a fan dipole with the center at 45' and the ends at 25'.

Ken W7EKB

33602. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:40:59 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33602

On 12 Aug 2014 at 13:36, Mel Farrer farrerfolks@... [ham-anteRe: [ham-antennas] A problem wrote:

> Ken, the dipole at low level is a omni multipolarity radiator. Lots of
> vertical components.

OK. Makes sense.

Still, I was always under the impression that polarity at HF over long distances did not make much difference since the polarity at the receiving end might be anything due to ionospheric rotation of the transmitted signal.

Ken W7EKB

33603. Re: A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 20:43:52 UTC
From: steve.lenaghan@...
Topic: 33596 Message: 33603

I would also suggest using VOACAP propogation prediction site to make sure when the best time and frequency is. If the path is no good the best antenna won't help.

Try a digital mode that works, in some cases, better than CW. We use Olivia in SATERN with good results.

73 Steve VE5SR/CIW406

33604. Re: [ham-antennas] Re: A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 21:34:44 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33604

On 12 Aug 2014 at 13:43, steve.lenaghan@... [ham-antennas] wrote:

> I would also suggest using VOACAP propogation prediction site to make sure when
> the best time and frequency is. If the path is no good the best antenna won't
> help. Try a digital mode that works, in some cases, better than CW. We
> use Olivia in SATERN with good results. 73 Steve VE5SR/CIW406

Hi, Steve:

I have ITSHFBC which is part of the software suite designed by the same
fellow who did VOACAP, and I have input to that my antenna parameters,
and I update the SFI daily.

I have had pretty good luck with it over the past several years. It is usually at
least 80% accurate.

Secondly, I use PACTOR with KL7EDK and it has proven to be very reliable.

Ken

33605. Re: Problem Solved

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 21:41:01 UTC
From: jerrybosak@...
Topic: 33437 Message: 33605

Somewhere n this post is the right answer.I believe between the owners manual and the technical knowledge base of the individuals on this forum it was not hard to figure out.10.7 MHz is the intermediate frequency of a simple FM radio.With up conversion and down conversion - I won't say HF radio - because that is no longer true.A old FM radio or a FM radio station would definitely put out enough RF to mess with your 30 meter antenna analysis...

33606. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 22:11:10 UTC
From: farrerfolks@...
Topic: 33596 Message: 33606

Ken, I did a quicky on the EZNEC and the 1.5 wl V has a null in the vertical polarity on the major lobe???

Mel

33607. FS: ARRL Basic Antennas book

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 22:33:05 UTC
From: Jim Lowman
Topic: 33607 Message: 33607

By Joel Hallas, first edition. New condition. In reorganizing my library, I found that I bought a duplicate. List price is $29.95. I'll take $15 + a couple of bux for shipping. Or, make an offer.

72/73 de Jim - AD6CW

33608. Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 23:39:10 UTC
From: David Cole
Topic: 33608 Message: 33608

Hi,

I am considering a move to Las Vegas... Anyone live there and have any comments about towers, permitting etc?

Is the city adverse to towers, etc?

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

33609. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-12 23:41:13 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33609

On 12 Aug 2014 at 15:11, farrerfolks@... [ham-antennas] wrote:

> Ken, I did a quicky on the EZNEC and the 1.5 wl V has a null in the vertical
> polarity on the major lobe???

Sigh....I am not surprised.

There is yet more that makes me think that a significant portion of his signal output is going straight into the ground.

In addition, the HIGH end is only up 25 feet, and the low ends are grounded (!).

I'll pass on to you what he sent to me privately.

Ken W7EKB

33610. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 01:24:13 UTC
From: Mel Farrer
Topic: 33596 Message: 33610

OK.

Mel

On Tuesday, August 12, 2014 4:41 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On 12 Aug 2014 at 15:11, farrerfolks@... [ham-antennas] wrote:

> Ken, I did a quicky on the EZNEC and the 1.5 wl V has a null in the vertical
> polarity on the major lobe???

Sigh....I am not surprised.

There is yet more that makes me think that a significant portion of his signal output is going straight into the ground.

In addition, the HIGH end is only up 25 feet, and the low ends are grounded (!).

I'll pass on to you what he sent to me privately.

Ken W7EKB

33611. Re: Loaded verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 03:51:13 UTC
From: jferrell13@...
Topic: 33586 Message: 33611

The EZNEC Demo (Free) will allow you mode that sort of thing. It will require a little time to learn to use it.
John, de W8CCW.

33612. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 05:58:20 UTC
From: Ron Youvan
Topic: 33596 Message: 33612

On 08/12/2014 04:40 PM, 'Kenneth G. Gordon' kgordon2006@...:

>> Ken, the dipole at low level is a omni multipolarity radiator. Lots of
>> vertical components.

> OK. Makes sense.

The Alaskan station is said to be using a "V" antenna, that is not
the same thing as a dipole.
(and it is most likely not aimed at the sky)

> Still, I was always under the impression that polarity at HF over long
> distances did not make much difference since the polarity at the
> receiving end might be anything due to ionospheric rotation of the
> transmitted signal.

> Ken W7EKB

The ARRL handbook use to state: "after *several* bounces between the
ionosphere and earth the polarity will be altered" or words to that
effect. I did not know this circuit was defiantly using the ionosphere,
and I certainly did not imagine this to be a multiple hop connection.
I would get other members (of your local HAM club) to assist you by
pointing their beams at this station at the appropriate time and if they
can hear him, try to make contact. If no one can his antenna falls suspect.

There two kinds of antennas, one is to contact anyone, a 55' vertical
on 20 meters falls into that category, the other is to contact a
specific area, a beam, oriented dipole (and a "V" antenna) are just what
you need. All my opinions.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33613. Re: [ham-antennas] A problem

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 15:39:30 UTC
From: Kenneth G. Gordon
Topic: 33596 Message: 33613

On 13 Aug 2014 at 1:58, Ron Youvan ka4inm@... [ham-antennas
wrote:

> The Alaskan station is said to be using a "V" antenna, that is not
> the same thing as a dipole. (and it is most likely not aimed at the sky)

What he is using, or attempting to use, is a very low (25 feet) vee-beam, with
110 foot long legs, with the ends grounded. (!!!)

From my experience, and from Mel's antenna modeling (thanks, Mel), he has
a worm-warmer or ground-defroster. He can only run about 90 watts output
at most too.

> The ARRL handbook use to state: "after *several* bounces between the
> ionosphere and earth the polarity will be altered" or words to that
> effect.

Yes. I remember that.

> I did not know this circuit was defiantly using the ionosphere,
> and I certainly did not imagine this to be a multiple hop connection.

Well, he is a little less than 1700 miles from me. At that distance on 20
meters, I am certain ground wave would be gone. Therefore, ionospheric
propagation is indicated. BUT, undoubtedly, only ONE hop. Therefore, no
polarization change. Still, I very much doubt that ONLY cross-polarization on
20 meters would result in an apparent signal level difference of around 30
db...

> I would get other members (of your local HAM club) to assist you by
> pointing their beams at this station at the appropriate time and if they
> can hear him, try to make contact. If no one can his antenna falls suspect.

There are several other ops with beams who are further to the west from me
(at least 300 miles) who successfully contact him, although they all complain
that his signal is always weak or marginal

> There two kinds of antennas, one is to contact anyone, a 55' vertical
> on 20 meters falls into that category, the other is to contact a
> specific area, a beam, oriented dipole (and a "V" antenna) are just what
> you need. All my opinions.

And good opinions too. Thanks.

He and I are discussing his options.

Due to his situation, multiple supports are not possible, as is a height greater
than about 33'.

I have suggested to him an OWL-fed inverted vee would work far better than what he is presently using...but, again, I have been wrong before, and will be wrong again.

Ken W7EKB

33614. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 17:34:19 UTC
From: Dennis
Topic: 33608 Message: 33614

HOA's are your biggest problem here. What part of town are you looking at?

Thanks...
-Dennis

On Tue, Aug 12, 2014 at 4:39 PM, David Cole dave@nk7z.net [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi,
>
> I am considering a move to Las Vegas... Anyone live there and have any
> comments about towers, permitting etc?
>
> Is the city adverse to towers, etc?
>
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
>
>

33615. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 22:32:03 UTC
From: scott.carroll
Topic: 33573 Message: 33615

BST Rgds
Scott...

33616. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-13 23:37:56 UTC
From: jimbo
Topic: 33608 Message: 33616

hello there i lived in vegas dont live in green valley hoa apts HOA you can find and house in other places go on the internet and find houses they well tell you they have HOA but not green valley HOA CITY
On 8/13/2014 10:34 AM, Dennis dennislv@... [ham-antennas] wrote:
> HOA's are your biggest problem here. What part of town are you
> looking at?
>
>
>
> Thanks...
> -Dennis
>
>
> On Tue, Aug 12, 2014 at 4:39 PM, David Cole dave@...
> <mailto:dave@...> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
> Hi,
>
> I am considering a move to Las Vegas... Anyone live there and have any
> comments about towers, permitting etc?
>
> Is the city adverse to towers, etc?
>
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net <http://www.nk7z.net>
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> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
>
>

33617. RE: [ham-antennas] Radial performance

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 00:33:16 UTC
From: Jay
Topic: 33581 Message: 33617

Thanks everyone for the comments. I'm always amazed at the number of responses, ideas and theories. I thought I would send one reply because I received so may responses. The radials are all insulated copper wire and they were stapled to the lawn and soon disappeared. I really have no way of gauging a beginning performance and always relied on the AH4 mounted at the base, it tunes almost instantly. I have worked the furthest distances from my home with 100 watts and of course good conditions just as years went on and the harsh New England winters I just wondered if they were still there or if made sense to try to add more however they would cross the ones that are there.

Thanks for all the help

Jay N1FDX

33618. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 00:35:21 UTC
From: David Cole
Topic: 33608 Message: 33618

Not sure... We are in the process of looking at places to live with
better weather than Eugene, OR... Any info you have about any areas
would be nice to learn...

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-08-13 at 10:34 -0700, Dennis dennislv@...
[ham-antennas] wrote:
>
>
> HOA's are your biggest problem here. What part of town are you
> looking at?
>
>
>
>
>
> Thanks...
> -Dennis
>
>
> On Tue, Aug 12, 2014 at 4:39 PM, David Cole dave@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Hi,
>
> I am considering a move to Las Vegas... Anyone live there and
> have any
> comments about towers, permitting etc?
>
> Is the city adverse to towers, etc?
>
>
>
>

33619. RE: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 01:20:39 UTC
From: Scott Myers
Topic: 33608 Message: 33619

And you want to live in the middle of a desert...why? You'd be going from one of the wettest areas of the country to one of the driest. Quite a swing in environment.

If warm is what you are after, you can certainly do better than Vegas. Texas is a good choice. Conservative values in most places. But there are plenty of nice places in many southern states if it is warm that you are after. I like to visit Vegas, but living there, no thanks. Gets hotter than Hades and dry as a bone. Building a city in the middle of a desert just makes no sense to me. But to each his own. I know some people love it.

Personally, I like the weather of the mountains of Wyoming. But I am not averse to snow and cold weather either. People tell me I'm nuts for liking the cold weather. Again, to each his own.

I wish you luck on deciding where to live. But as a ham, definitely stay away from HOA's and the 'burbs. You need something a bit more rural. You don't have to be in the boonies, but somewhere that you can afford a couple of acres and is quiet, both in traffic and electrically.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, August 13, 2014 8:35 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Anyone in Las Vegas

Not sure... We are in the process of looking at places to live with
better weather than Eugene, OR... Any info you have about any areas
would be nice to learn...

--
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http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-08-13 at 10:34 -0700, Dennis dennislv@...
[ham-antennas] wrote:
>
>
> HOA's are your biggest problem here. What part of town are you

> looking at?
>
>
>
>
>
> Thanks...
> -Dennis
>
>
> On Tue, Aug 12, 2014 at 4:39 PM, David Cole dave@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Hi,
>
> I am considering a move to Las Vegas... Anyone live there and
> have any
> comments about towers, permitting etc?
>
> Is the city adverse to towers, etc?
>
>
>
>

33620. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 01:28:11 UTC
From: jimbo
Topic: 33608 Message: 33620

look into pahrump las vegas you are only 45min away from vegas and yes
you can have as many antennas you wont
On 8/13/2014 6:20 PM, 'Scott Myers' ac8de@... [ham-antennas]
wrote:
>
> And you want to live in the middle of a desert...why? You'd be going
> from one of the wettest areas of the country to one of the driest.
> Quite a swing in environment.
>
> If warm is what you are after, you can certainly do better than
> Vegas. Texas is a good choice. Conservative values in most places.
> But there are plenty of nice places in many southern states if it is
> warm that you are after. I like to visit Vegas, but living there, no
> thanks. Gets hotter than Hades and dry as a bone. Building a city in
> the middle of a desert just makes no sense to me. But to each his
> own. I know some people love it.
>
> Personally, I like the weather of the mountains of Wyoming. But I am
> not averse to snow and cold weather either. People tell me I'm nuts
> for liking the cold weather. Again, to each his own.
>
> I wish you luck on deciding where to live. But as a ham, definitely
> stay away from HOA's and the 'burbs. You need something a bit more
> rural. You don't have to be in the boonies, but somewhere that you
> can afford a couple of acres and is quiet, both in traffic and
> electrically.
>
> 73,
>
> Scott AC8DE
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Wednesday, August 13, 2014 8:35 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Anyone in Las Vegas
>
> Not sure... We are in the process of looking at places to live with
> better weather than Eugene, OR... Any info you have about any areas
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> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
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> On Wed, 2014-08-13 at 10:34 -0700, Dennis dennislv@...
> <mailto:dennislv@...>
> [ham-antennas] wrote:
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> >
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> > Thanks...
> > -Dennis
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> > On Tue, Aug 12, 2014 at 4:39 PM, David Cole dave@...
> <mailto:dave@...>
> > [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
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> > I am considering a move to Las Vegas... Anyone live there and
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> > comments about towers, permitting etc?
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> > Is the city adverse to towers, etc?
> >
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>

33621. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 02:13:57 UTC
From: Kenneth G. Gordon
Topic: 33608 Message: 33621

On 13 Aug 2014 at 17:35, David Cole dave@... [ham-antennas] wrote:

> Not sure... We are in the process of looking at places to live with
> better weather than Eugene, OR... Any info you have about any areas
> would be nice to learn...

Gents on the list:

If Eugene is anywhere near the coast, the Oregon coast is cloud-covered, thick overcast, and gloomy most of the year.

I can understand why Dave wants to move somewhere with better weather.

I agree with someone else who mentioned Wyoming. Very nice place. I lived there for a couple of years when I was just starting grade school. Still remember it with fondness.

Ken W7EKB

33622. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 02:22:19 UTC
From: jimbo
Topic: 33608 Message: 33622

i live here in Eugene sucks i well be moving soon out of here if you
wont rain this is the place
On 8/13/2014 7:13 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> On 13 Aug 2014 at 17:35, David Cole dave@... [ham-antennas] wrote:
>
> > Not sure... We are in the process of looking at places to live with
> > better weather than Eugene, OR... Any info you have about any areas
> > would be nice to learn...
>
> Gents on the list:
>
> If Eugene is anywhere near the coast, the Oregon coast is cloud-covered,
> thick overcast, and gloomy most of the year.
>
> I can understand why Dave wants to move somewhere with better weather.
>
> I agree with someone else who mentioned Wyoming. Very nice place. I lived
> there for a couple of years when I was just starting grade school. Still
> remember it with fondness.
>
> Ken W7EKB
>
>

33623. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 12:48:59 UTC
From: David Cole
Topic: 33608 Message: 33623

The rain is my primary reason for moving... As I get older, the rain gets worse... :) It rains here for 8 months out of the year...

I like the desert... But have not lived there yet. I am a bit worried about water in the SW... Sounds like getting property out in the stix for antenna won't be an issue...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
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for MixW support see;
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for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-08-13 at 19:22 -0700, jimbo jmsrandazzo@...
[ham-antennas] wrote:
>
>
> i live here in Eugene sucks i well be moving soon out of here if you
> wont rain this is the place
> On 8/13/2014 7:13 PM, 'Kenneth G. Gordon' kgordon2006@...
> [ham-antennas] wrote:
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> >
> > On 13 Aug 2014 at 17:35, David Cole dave@... [ham-antennas]
> > wrote:
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> > > Not sure... We are in the process of looking at places to live
> > with
> > > better weather than Eugene, OR... Any info you have about any
> > areas
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> > Gents on the list:
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> > If Eugene is anywhere near the coast, the Oregon coast is
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> > I can understand why Dave wants to move somewhere with better
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> > I agree with someone else who mentioned Wyoming. Very nice place. I
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> > Ken W7EKB
> >
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33624. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 12:57:06 UTC
From: Robert Ahrens
Topic: 33608 Message: 33624

Hi Dave. I am helping my daughter move to eastern WA. Perhaps you should think about this area.
It seems like a desert, but irrigation from the Columbia keeps everything green.

Check out the real estate around Kennewick. You may see something you like.

73 de NT5A, Bob
On Aug 14, 2014 5:49 AM, "David Cole dave@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> The rain is my primary reason for moving... As I get older, the rain
> gets worse... :) It rains here for 8 months out of the year...
>
> I like the desert... But have not lived there yet. I am a bit worried
> about water in the SW... Sounds like getting property out in the stix
> for antenna won't be an issue...
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> Thanks and 73's,
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> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
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>
> On Wed, 2014-08-13 at 19:22 -0700, jimbo jmsrandazzo@...
> [ham-antennas] wrote:
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> >
> > i live here in Eugene sucks i well be moving soon out of here if you
> > wont rain this is the place
> > On 8/13/2014 7:13 PM, 'Kenneth G. Gordon' kgordon2006@...
> > [ham-antennas] wrote:
> >
> > >
> > > On 13 Aug 2014 at 17:35, David Cole dave@... [ham-antennas]
> > > wrote:
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> > > > Not sure... We are in the process of looking at places to live
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> > > > better weather than Eugene, OR... Any info you have about any
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> > > Gents on the list:
> > >
> > > If Eugene is anywhere near the coast, the Oregon coast is
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> > > Ken W7EKB
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33625. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 13:08:07 UTC
From: Artek Manuals
Topic: 33608 Message: 33625

Dave
Dave has a good point ...Spokane is certainly dry something on the order of 12" of moisture a year Only problem is 2/3 of that is snow :-(... You get all the convenience of a good sized city and you can get out in the country very quickly .. I lived there for 5 years (as N7EX) if the fishing were better year round I would consider retiring there

Reno, NV and Albuquerque, NM are also worth a look see

Dave
NR1DX (ex N7EX)

On 8/14/2014 7:57 AM, Robert Ahrens robertahrens52@...
[ham-antennas] wrote:
>
> Hi Dave.? I am helping my daughter move to eastern WA.? Perhaps you
> should think about this area.?
> It seems like a desert,? but irrigation from the Columbia keeps
> everything green.?
>
> Check out the real estate around Kennewick.? You may see something you
> like.
>
> 73 de NT5A, Bob
>
> On Aug 14, 2014 5:49 AM, "David Cole dave@...
> <mailto:dave@...> [ham-antennas]" <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
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> The rain is my primary reason for moving... As I get older, the rain
> gets worse... :) It rains here for 8 months out of the year...
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> I like the desert... But have not lived there yet. I am a bit worried
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> <mailto:jmsrandazzo@...>
> [ham-antennas] wrote:
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> > i live here in Eugene sucks i well be moving soon out of here if you
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> > On 8/13/2014 7:13 PM, 'Kenneth G. Gordon'
> kgordon2006@... <mailto:kgordon2006@...>
> > [ham-antennas] wrote:
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> > > On 13 Aug 2014 at 17:35, David Cole dave@...
> <mailto:dave@...> [ham-antennas]
> > > wrote:
> > >
> > > > Not sure... We are in the process of looking at places to live
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> > > Gents on the list:
> > >
> > > If Eugene is anywhere near the coast, the Oregon coast is
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> > > I can understand why Dave wants to move somewhere with better
> > > weather.
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> > > I agree with someone else who mentioned Wyoming. Very nice
> place. I
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> > >
> > > Ken W7EKB
> > >
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>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33626. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 13:23:15 UTC
From: WVØH
Topic: 33608 Message: 33626

What about the Denver or Colorado Springs area? A moderate mix of mild seasons sprinkled with bouts of 3 day snow events that make you wonder why you've lived anywhere else. Want mountains? A drive west into the mountains will change your perspective. Want flat plains? Drive east.

A drawback is the landlocked first hop 20m propagation is still over land, grr. I still fight that when I'm out QRP portable. CA, TX, and NW are the easiest but try to go east like the upper New England states during our dismal solar cycle good luck.

Myron WVØH
Printed on Recycled Data

> On Aug 14, 2014, at 6:48 AM, "David Cole dave@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> The rain is my primary reason for moving... As I get older, the rain
> gets worse... :) It rains here for 8 months out of the year...
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> I like the desert... But have not lived there yet. I am a bit worried
> about water in the SW... Sounds like getting property out in the stix
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33627. Re: Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 13:58:34 UTC
From: Dave Rickmers
Topic: 33608 Message: 33627

Henderson is way less frantic. They aren't all hostile CC&Rs. Boulder City if you want a quieter RF environment. ymmv 73 de dave/kd6il

33628. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 14:31:39 UTC
From: lynnmatic@...
Topic: 33608 Message: 33628

We looked at several places and ended up in NW Arkansas. Great economy during a major recession, good weather but all four seasons, lots of lakes, rivers and streams not yet spoiled, and wonderful people, including a great ham radio community. Cost of living is not bad either. Anything I need is very accessible or else I can get delivered in a couple days to my door.And cheap flights to Las Vegas if that is where you to visit! Just my two pesos worth....73, WB0YEX

33629. RE: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 14:41:28 UTC
From: John Murphy
Topic: 33608 Message: 33629

I wouldhave to agree withMyron, that is why (along with the fact the kids and grandkids live here) the wife and I retired here in Colorado. Though there are some communities that do have CC&R’s, there are many rural areas that do not.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, August 14, 2014 7:23 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Anyone in Las Vegas

What about the Denver or Colorado Springs area? A moderate mix of mild seasons sprinkled with bouts of 3 day snow events that make you wonder why you've lived anywhere else. Want mountains? A drive west into the mountains will change your perspective. Want flat plains? Drive east.

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http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-08-13 at 19:22 -0700, jimbo jmsrandazzo@...
[ham-antennas] wrote:
>
>
> i live here in Eugene sucks i well be moving soon out of here if you
> wont rain this is the place
> On 8/13/2014 7:13 PM, 'Kenneth G. Gordon' kgordon2006@...
> [ham-antennas] wrote:
>
> >
> > On 13 Aug 2014 at 17:35, David Cole dave@... [ham-antennas]
> > wrote:
> >
> > > Not sure... We are in the process of looking at places to live
> > with
> > > better weather than Eugene, OR... Any info you have about any
> > areas
> > > would be nice to learn...
> >
> > Gents on the list:
> >
> > If Eugene is anywhere near the coast, the Oregon coast is
> > cloud-covered,
> > thick overcast, and gloomy most of the year.
> >
> > I can understand why Dave wants to move somewhere with better
> > weather.
> >
> > I agree with someone else who mentioned Wyoming. Very nice place. I
> > lived
> > there for a couple of years when I was just starting grade school.
> > Still
> > remember it with fondness.
> >
> > Ken W7EKB
> >
> >

> >
>
>
>
>

33630. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 18:45:25 UTC
From: farrerfolks@...
Topic: 33608 Message: 33630

I spent alot of time in NW Arkansas and agree it is a really good place to consider. Mostly out of the Tornado channel, mostly, green all year, fishing is great, people are really old country in the rural areas around Eureka Springs and Berryville. VERY little in HOAs. Good ham community. Good airport in Fayetteville. My 2cents worth.Mel, K6KBE

33631. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 21:28:29 UTC
From: Dale Miller
Topic: 33608 Message: 33631

On 8/13/2014 8:20 PM, 'Scott Myers' ac8de@... [ham-antennas]
wrote:
>
>
> And you want to live in the middle of a desert...why? You'd be going
> from one of the wettest areas of the country to one of the driest.
> Quite a swing in environment.
>
> If warm is what you are after, you can certainly do better than
> Vegas. Texas is a good choice. Conservative values in most places.
> But there are plenty of nice places in many southern states if it is
> warm that you are after. I like to visit Vegas, but living there, no
> thanks. Gets hotter than Hades and dry as a bone. Building a city in
> the middle of a desert just makes no sense to me. But to each his
> own. I know some people love it.
>
> Personally, I like the weather of the mountains of Wyoming. But I am
> not averse to snow and cold weather either. People tell me I'm nuts
> for liking the cold weather. Again, to each his own.
>
> I wish you luck on deciding where to live. But as a ham, definitely
> stay away from HOA's and the 'burbs. You need something a bit more
> rural. You don't have to be in the boonies, but somewhere that you
> can afford a couple of acres and is quiet, both in traffic and
> electrically.
>
> 73,
>
> Scott AC8DE
>
>

I'm with you Scott.
I did like Phonenix, Arizona in the winter.
If I could stand the long winters I would live in Wyoming in a heart beat.
I fell in love with Laramie.

For OP Middle Tennessee isn't bad and there many HOA's here especially
if you live outside of the city limits.
Here in Cookeville all you have to do is be about 2 or 3 miles out of
the city limits and your golden, so long as you don't buy in a sub-division.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee

Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

33632. RE: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-14 22:36:11 UTC
From: Richard Schmuke
Topic: 33608 Message: 33632

A few acres in the middle of Missouri , your antenna tower limits are only by the depth of your pocket book. My pockets are not very deep so I put up a small 160M loop but have room for one 10 times that big and no permits are needed. I don’t like it dry.

Rich, Kd0zz

33633. Re: [ham-antennas] Re: Portable tripods question

Yahoo group: ham-antennas (2014)
Date: 2014-08-15 14:16:47 UTC
From: Keith Heimbold
Topic: 33568 Message: 33633

Has anyone used the mfj 1919ex just curious.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Aug 10, 2014, at 1:07 PM, "Keith Heimbold" <ag6az@hotmail.com> wrote:
>
> I appreciate the recommendation. The "portable" military towers look interesting albeit pricey. They have a portable 23' retractable tower for $599. Looks very interesting to me.
>
> Keith
>
> Sent from my iPhone please excuse typos
>
>> On Aug 10, 2014, at 12:52 PM, "'Dave Holcomb / K9DBA' kilo9deltabravoalpha@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>>
>> I think a tripod would work for your needs and if you can guy it if there is wind all the better.
>> I recommend using a heavier military type tripod from go vertical usa.
>>
>> contact info is: john@goverticalusa.com
>>
>>
>>
>>
>>
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>>
>>
>>
>>
>> --
>>
>> Dave Holcomb
>> 21044 Sherman Way
>> Suite 202
>> Canoga Park CA 91303

>>
>>
>> K9DBA
>>

33634. Re: Antenna spacing help needed

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 03:17:49 UTC
From: myfamilydotcom@...
Topic: 33587 Message: 33634

Thank-you Van - For some reason the posting you replied with looks quite garbled in format on my computer but it looks to me like it is a series of 10 web-links to antenna related articles. I will start reading through them all when I get back from vacation but before I do, was that your intent, that these articles would answer the question about rules of thumb, or calculating the safe spacing between these 3 antennas I mentioned?

Thanks again

Kevin

33635. Re: [ham-antennas] Re: Antenna spacing help needed

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 05:15:11 UTC
From: Van Lincoln
Topic: 33587 Message: 33635

hi kevin, yes, it looked like these sites could do a pretty good job
of giving you the data/rules of thumb that you were looking for.

van wd8aam
At 03:17 8/16/2014, you wrote:

>Thank-you Van - For some reason the posting you
>replied with looks quite garbled in format on my
>computer but it looks to me like it is a series
>of 10 web-links to antenna related articles. I
>will start reading through them all when I get
>back from vacation but before I do, was that
>your intent, that these articles would answer
>the question about rules of thumb, or
>calculating the safe spacing between these 3 antennas I mentioned?
>
>Thanks again
>
>Kevin
>
>
>

33636. Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 11:49:54 UTC
From: Brandon Szalai
Topic: 33636 Message: 33636

When erecting a beam-type antenna, do you use true north or magnetic north?

Brandon Szalai, ND3U

33637. RE: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 11:52:37 UTC
From: Billy McFarland
Topic: 33636 Message: 33637

I use the one on my I phone :) that's always worked fine for me. Never had any issues about not known where to point a beam for a dx contact.

73 Billy
GM0OBX

33638. RE: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:10:00 UTC
From: KB3YRC
Topic: 33636 Message: 33638

My dial indicator isn't the best I use a camera and a monitor to see as I turn my beam and use land references for pointing.

KB3YRC

Richard

Look us up on QRZ.com

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, August 16, 2014 7:50 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Beam antennas

When erecting a beam-type antenna, do you use true north or magnetic north?

Brandon Szalai, ND3U

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4716 / Virus Database: 4007/8042 - Release Date: 08/15/14

33639. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:29:57 UTC
From: Don Sanders
Topic: 33636 Message: 33639

I use a compass to show North and visually align the beam. The beam width is large enough to not worry if it is 5 to 10 degrees left or right. Now large VHF antennas are more critical.

Don HC4/W4BWS

On Sat, Aug 16, 2014 at 6:49 AM, 'Brandon Szalai' nd3u@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> When erecting a beam-type antenna, do you use true north or magnetic north?
>
>
>
>
>
> *Brandon Szalai, ND3U*
>
>
>
>
>

--
Dr. Don W4BWS

33640. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:33:44 UTC
From: Van Lincoln
Topic: 33636 Message: 33640

True North, just factor in the magnetic variation. Use a
Aviation sectional chart to show the variation,
or just google the internet for the town/variation.
Then factor it into the true heading.

van wd8aam

At 11:49 8/16/2014, you wrote:

>When erecting a beam-type antenna, do you use true north or magnetic north?
>
>
>Brandon Szalai, ND3U
>
>
>
>

33641. AW: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:32:16 UTC
From: siegfried jackstien
Topic: 33636 Message: 33641

You use geographic north (true north) ... and when you measure that with a compass you have to use a local correction factor (local magnetic misleading) ....

I would use a (precise) topographical map and some landmarks

... some rotator controllers have a finetuning ... so then you only need to be precise to a few degrees

...

How big is the beamwidth of your planned antennas?!?

If it is for shortwave or vhf ... then don☐t worry about all that

Only if you wanna use it for sat work with azimuth and elevation ... and on very high frequencies with narrow beam antennas ... then you need to be very precise

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 16. August 2014 11:50
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Beam antennas
>
>
>
> When erecting a beam-type antenna, do you use true north or magnetic
> north?
>
>
>
>
>
> Brandon Szalai, ND3U
>
>
>
>

33642. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:34:57 UTC
From: Chuck Schultz
Topic: 33636 Message: 33642

What difference would it make , your beam does not have a narrow enough
pattern. You are not shooting squirrels with a 22. It is more like
bird hunting with a 10gauge shotgun . Chuck
On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas] wrote:
>
> When erecting a beam-type antenna, do you use true north or magnetic
> north?
>
> **
>
> *Brandon Szalai, ND3U*
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33643. AW: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:40:50 UTC
From: siegfried jackstien
Topic: 33636 Message: 33643

Hello chuck

That really depends on what antennas are planned on the tower :-)

Say you wanna use the tower for antennas on the shf bands with a dish antenna (mounted on tower to have a clear view around horizon)

Or narrow beam antennas for moon bounce or sat work

Not all towers are for shortwave beams!!

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 16. August 2014 12:35
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Beam antennas
>
>
>
> What difference would it make , your beam does not have a narrow enough
> pattern. You are not shooting squirrels with a 22. It is more like
> bird hunting with a 10gauge shotgun . Chuck
>
> On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas] wrote:
>
>
>
>
> When erecting a beam-type antenna, do you use true north or magnetic
> north?
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> Brandon Szalai, ND3U
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33644. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 12:45:52 UTC
From: Artek Manuals
Topic: 33636 Message: 33644

Technically you should use true north. All of the beam heading tables
that you can print out bearings to a given country from your QTH and the
circular polar projection maps are all based on true north.

In practice most HF beams do not have a narrow enough beam width that a
a pointing error of 10 degrees will be noticeable.

Dave
NR1DX

On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas] wrote:
>
> When erecting a beam-type antenna, do you use true north or magnetic
> north?
>
> **
>
> *Brandon Szalai, ND3U*
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

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http://www.avast.com

33645. Re: AW: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 13:47:49 UTC
From: Chuck Schultz
Topic: 33636 Message: 33645

Sigi, I contend to install a moon bounce antenna on a 50ft tower is a
hindrance rather than an advantage . Fifty feet is of little help
when transmitting 240,000 miles but the normal sway on the structure
might prove to be disruptive. Just thinking out loud ! Chuck Wq5B
On 8/16/2014 7:40 AM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
>
> Hello chuck
>
> That really depends on what antennas are planned on the tower :-)
>
> Say you wanna use the tower for antennas on the shf bands with a dish
> antenna (mounted on tower to have a clear view around horizon)
>
> Or narrow beam antennas for moon bounce or sat work
>
> Not all towers are for shortwave beams!!
>
> Dg9bfc
>
> sigi
>
> > -----Urspr?ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Samstag, 16. August 2014 12:35
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Beam antennas
> >
> >
> >
> > What difference would it make , your beam does not have a narrow enough
> > pattern. You are not shooting squirrels with a 22. It is more like
> > bird hunting with a 10gauge shotgun . Chuck
> >
> > On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas]
> wrote:
> >
> >
> >
> >
> > When erecting a beam-type antenna, do you use true north or magnetic
> > north?
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> > Brandon Szalai, ND3U
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http://www.avast.com

33646. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 14:33:48 UTC
From: Frank Kirschner
Topic: 33636 Message: 33646

I used the North Star. I sighted it at night, and found the spot on the horizon directly below it, and then aligned the beam with that spot during the day.

The beam width of my TH-11 is probably +/- 15 degrees, so precision isn't really required. It does seem to work properly, peaking signals when the rotor control indicates the correct direction.

73,
Frank
KF6E

On Sat, Aug 16, 2014 at 7:49 AM, 'Brandon Szalai' nd3u@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> When erecting a beam-type antenna, do you use true north or magnetic north?
>
>
>
>
>
> *Brandon Szalai, ND3U*
>
>
>

33647. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 15:28:54 UTC
From: Joe
Topic: 33636 Message: 33647
Attachments: 1 described; binary payloads are missing from this source WARC

TRUE! and Only True, Of course if Mag is the same as true he he he.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas] wrote:
>
>
> When erecting a beam-type antenna, do you use true north or magnetic
> north?
>
> **
>
> *Brandon Szalai, ND3U*
>
>
>
>

33648. Re: AW: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 15:34:15 UTC
From: Joe
Topic: 33636 Message: 33648
Attachments: 1 described; binary payloads are missing from this source WARC

Can't beat Polaris. less than a degree from absolute true north, and if
you are into Astronomy you can dial it in dead on to zero amount off.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/16/2014 7:32 AM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
> You use geographic north (true north) ... and when you measure that with a
> compass you have to use a local correction factor (local magnetic
> misleading) ....
>
> I would use a (precise) topographical map and some landmarks
>
> ... some rotator controllers have a finetuning ... so then you only need to
> be precise to a few degrees
>
> ...
>
> How big is the beamwidth of your planned antennas?!?
>
> If it is for shortwave or vhf ... then don?t worry about all that
>
> Only if you wanna use it for sat work with azimuth and elevation ... and on
> very high frequencies with narrow beam antennas ... then you need to be very
> precise
>
> Dg9bfc
>
> Sigi
>
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Samstag, 16. August 2014 11:50
>> An: ham-antennas@yahoogroups.com
>> Betreff: [ham-antennas] Beam antennas
>>
>>
>>

>> When erecting a beam-type antenna, do you use true north or magnetic
>> north?
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>>
>> Brandon Szalai, ND3U
>>
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> ----------
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ----------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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33649. Re: AW: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 15:37:56 UTC
From: Joe
Topic: 33636 Message: 33649
Attachments: 1 described; binary payloads are missing from this source WARC

BUT. While yes it could be a EME antenna, but there is nothing stopping them from using same array on terrestrial modes. I know I did with my EME array.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/16/2014 8:47 AM, Chuck Schultz wq5b@... [ham-antennas] wrote:
>
>
> Sigi, I contend to install a moon bounce antenna on a 50ft tower is a
> hindrance rather than an advantage . Fifty feet is of little help
> when transmitting 240,000 miles but the normal sway on the structure
> might prove to be disruptive. Just thinking out loud ! Chuck Wq5B
> On 8/16/2014 7:40 AM, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] wrote:
>>
>> Hello chuck
>>
>> That really depends on what antennas are planned on the tower :-)
>>
>> Say you wanna use the tower for antennas on the shf bands with a dish
>> antenna (mounted on tower to have a clear view around horizon)
>>
>> Or narrow beam antennas for moon bounce or sat work
>>
>> Not all towers are for shortwave beams!!
>>
>> Dg9bfc
>>
>> sigi
>>
>> > -----Urspr?ngliche Nachricht-----
>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> > Gesendet: Samstag, 16. August 2014 12:35
>> > An: ham-antennas@yahoogroups.com
>> > Betreff: Re: [ham-antennas] Beam antennas
>> >
>> >
>> >
>> > What difference would it make , your beam does not have a narrow enough

>> > pattern. You are not shooting squirrels with a 22. It is more like
>> > bird hunting with a 10gauge shotgun . Chuck
>> >
>> > On 8/16/2014 6:49 AM, 'Brandon Szalai' nd3u@... [ham-antennas]
>> wrote:
>> >
>> >
>> >
>> >
>> > When erecting a beam-type antenna, do you use true north or magnetic
>> > north?
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>> > Brandon Szalai, ND3U
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>> > because avast! Antivirus <http://www.avast.com/> protection is active.
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> This email is free from viruses and malware because avast! Antivirus
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33650. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 16:33:58 UTC
From: Kenneth G. Gordon
Topic: 33636 Message: 33650

On 16 Aug 2014 at 7:49, 'Brandon Szalai' nd3u@... [ham-anten
wrote:

> When erecting a beam-type antenna, do you use true north or
> magnetic north?

It doesn't matter: use whichever you wish.

Ken W7EKB

33651. Re: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 16:51:43 UTC
From: Original Woodchuck
Topic: 33636 Message: 33651

On Sat, Aug 16, 2014 at 10:33:48AM -0400, Frank Kirschner frank@... [ham-antennas] wrote:
> I used the North Star. I sighted it at night, and found the spot on the
> horizon directly below it, and then aligned the beam with that spot during
> the day.

I've done likewise. This method is good to 0.7 degrees or better if the
fact that Polaris is not exactly at true north is taken into account.
(Well, it is, like a broken clock, exactly north twice a day. Any star
north of the celestial equator is, come to think of it.) But I reckoned
that my method (eyeball, plumb bob, tape measures) was going to swamp
that error.

I did this when making a map of my yard. Comparison of the map with the
Google map satellite view of the proppity suggested that using Polaris
worked out well. Since the house has straight lines and these show up
well on the satellite (actually, I suspect, aerial) view, I suggest to
others that they look at that on Google (or rival) map services. Lat &
longitude lines appear on some of these views, and my impression is that
true north is straight up on these maps. Can anyone verify that?

Another way of finding true north is with a vertical stick and
a cloudless sky. Stick the stick in flat ground. At local noon,
its shadow points due north. The shadow is *shortest* at local noon.
To be more accurate, use a plumb line and know when local noon is in UTC
(i.e. know your longitude and time zone).

> The beam width of my TH-11 is probably +/- 15 degrees, so precision isn't
> really required. It does seem to work properly, peaking signals when the
> rotor control indicates the correct direction.

Some places in North America have a magnetic declination ("error") of
20 degrees, Maine and the Canadian Maritimes, for example. That may be
enough to matter. There's a world map at

https://en.wikipedia.org/wiki/File:World_Magnetic_Declination_2010.pdf

I don't think this map takes local factors like large deposits of
magnetic metals into account. But maps from government surveys will.

A ham in Maine could be over 3 db down by ignoring his large declination.
(Assuming 3db beamwidth of 30 degrees).

But, for our lifetimes at least, Polaris abides!

>
> 73,
> Frank

> KF6E

73 Dave AB3NR

33652. antenna testing

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 19:45:36 UTC
From: dalecole3502@...
Topic: 33652 Message: 33652

Looking for someone in the Jackson, Michigan area who has access to an antenna analyzer that can assist me in tuning my MA160V 160 vertical. Antenna is up with radials installed. Can be contacted at dalecole3502@comcast.net
Phone is 517-783-4761 Have VM Leave message on VM; Wife will not answer if she does not know who it is on ID
Am available many evenings and most weekends. Some weekdays also.

Dale K8TS

33653. Re: antenna testing

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 21:16:53 UTC
From: email4utoo@...
Topic: 33652 Message: 33653

Dale, someone in the nearest club should have one , Let us know how the testing goes, 73s
Aj W5heh

33654. Re: [ham-antennas] Re: antenna testing

Yahoo group: ham-antennas (2014)
Date: 2014-08-16 21:46:24 UTC
From: Joe
Topic: 33652 Message: 33654
Attachments: 1 described; binary payloads are missing from this source WARC

Why not just like the good old days, hook up the rig at minimal power
and see what it shows?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/16/2014 4:16 PM, email4utoo@... [ham-antennas] wrote:
>
>
> Dale, someone in the nearest club should have one , Let us know how
> the testing goes, 73s Aj W5heh
>
>

33655. Re: Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 00:34:32 UTC
From: Jeffrey Lord
Topic: 33636 Message: 33655

Maps work off true north
With most beam antennas having a beam width of 10 degrees +~- by the time your signal travels a few hundred kilometres it is a moot point to use either true or magnetic north
Only really becomes critical at higher frequencies and for moon bounce or satellite communication

My 2cents worth

Jeff
Vk4 fnrs

Sent from my iPhone

33656. Re: Antenna spacing help needed

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 02:38:07 UTC
From: myfamilydotcom@...
Topic: 33587 Message: 33656

Then thanks Van - it looks like I have some reading to do. I appreciate your help.

Kevin

33657. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 03:29:20 UTC
From: email4utoo@...
Topic: 33608 Message: 33657

We found a great place in N Arkansas , 5.5 acres, 1500 squares, you know what out taxes are a year - less than 400. ! yes a year ! very clean Water well, sweet water no city pollution ! And pick out whatever antenna you wanna put up . Lynnmatic is spot on , we live east in No Central Arkansas also near Lakes and Rivers, where we live the bad storms get split by the topography, we are safe and sound here . you talk about Green Trees most of the year , ofcourse we have winter but only snows a few times , very doable coming from west coast for most of my life, it is a pleasure to have four seasons . Good luck where ever you choose , 73s, AJ W5HEH

33658. Re: [ham-antennas] Re: antenna testing

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 03:44:00 UTC
From: dalecole3502@...
Topic: 33652 Message: 33658

Joe;
Been there, done that.....days we used to tune via the grid and load then cut. Modern rig, transmit shuts down at band edges and near as I can tell I am resonate lower than 1.8. How much lower I don't know and even with a dummy load, the transmitter would still shut down. Know it's got to be shorter, but ya can't add on, what you cut off.
Don't belong to any club (I'm kinda a loner, don't even have vhf equip.). Do have one friend that has one, but he is on the east coast vacationing, besides the climbing belt I borrow to use on my tower work has some duck tape on it. Has not given yet..... hi hi
Dale K8TS

----- Original Message -----

From: "Name, Full" <ham-antennas@yahoogroups.com>
To: "Name, Full" <ham-antennas@yahoogroups.com>
Sent: Saturday, August 16, 2014 5:46:24 PM
Subject: Re: [ham-antennas] Re: antenna testing

Why not just like the good old days, hook up the rig at minimal power and see what it shows?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 8/16/2014 4:16 PM, email4utoo@... [ham-antennas] wrote:

Dale, someone in the nearest club should have one , Let us know how the testing goes, 73s
Aj W5heh

33659. Re: Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 04:44:15 UTC
From: Robert Sobel
Topic: 33636 Message: 33659

With regards to which north to use can you not line it up (best copy) on a beacon or two. You would know the beacon's location.

Bob

33660. RE: [ham-antennas] Beam antennas

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 05:59:21 UTC
From: Dino Darling
Topic: 33636 Message: 33660

Start Google Earth.

In the search box, type "North Pole".

Click on "Tools" and then "Ruler".
Using the ruler function, draw a line from the North Pole to your tower. You will have to play around with this to figure it out. As a hint, draw a line, then zoom out. Then move the cursor to the end of the line,? (it will turn into a hand), click and drag, then zoom out again. Keep doing this until you have extended the line from the North Pole to your tower. If you have a wheel on your mouse, its easier.

The yellow line will point to true north, the only TRUE heading. Using the yellow line as a reference and intersect on the map, find a know reference (a neighbor's house or a big tree) and point your antenna at it.

Simple! I've done this on the tower with my smart phone.

Dino - KX6D

-------- Original Message --------
Subject: [ham-antennas] Beam antennas
From: "'Brandon Szalai' nd3u@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
Date: Sat, August 16, 2014 4:49 am
To: <ham-antennas@yahoogroups.com>

?

When erecting a beam-type antenna, do you use true north or magnetic north?
?
?
Brandon Szalai, ND3U
?

33661. Cushcraft 6 Meter Beam seems a bit different from today's A50-3S

Yahoo group: ham-antennas (2014)
Date: 2014-08-17 17:22:33 UTC
From: myfamilydotcom@...
Topic: 33661 Message: 33661

I bought a well-used Cushcraft 6 meter 3-element beam from a fellow at an out-of-area hamfest recently. I was fairly sure that it was a Cushcraft A50-3S and the hardware looks very similar except that:
Mine has a one-piece director (102x5/8") and one-piece reflector (115" x 3/4") whereas the A50-3S has these elements in 3 telescoping sections The boom length is the same as the A50-3S handbook shows but the spacing is much different; it appears that the previous owner mounted the driven element equidistant from the director and reflector, whereas the A50-3S handbook places the driven element much closer to the director and further from the reflector. The gamma match appears to be very similar in overall length (what is called "SET") but the length of the exposed tube end "X" is about 2.5" as opposed to the A50-3S manual range listed at around 4.75" If I build this as a true A50-3S I'll probably have to re-tune the gamma match since the new director/reflactor spacing probably has a big impact on the driven element impedance, but the switch to one-piece elements also screws up the weight distribution and the A50-3S boom-to-mast clamp point is definitely not the centre of gravity.

Help: I'd like to see a copy of this beam's original equipment manual, which is probably a pre-cursor to today's A50-3S. Can anyone send me that (myfamilydotcom@hotmail.com) or offer more insight to th e 'slightly diffreent product? Only the current A50-3S manual is shown at Cushcraft's website.

Thanks

Kevin

VE9-XYZ
(myfamilydotcom@hotmail.com)

33662. Re: [ham-antennas] Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 13:43:47 UTC
From: jerrybosak@...
Topic: 33573 Message: 33662

If it works perfectly - then why would you need anything?My Off-center fed dipole works 80 - 6 meters without an antenna tuner!

33663. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 13:46:34 UTC
From: jerrybosak@...
Topic: 33573 Message: 33663

I will sell you my brand new G5RV for $65.00 - just what I paid for it!It was only used for 2 weeks!You will have that much into building your own by the time you buy your insulators and your ladder line and your copper weld wire..In my neighborhood you can't use solid or stranded copper wire.When the ice builds up on it - it will stretch and detune and eventually break..

33664. Re: Cushcraft 6 Meter Beam seems a bit different from today's A50-3S

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 13:48:26 UTC
From: jerrybosak@...
Topic: 33661 Message: 33664

Unless is says Cushcraft - it is not a Cushcraft beam..Put it together the way it was designed and try it before you start moving thing around.The experiences I have had with Cushcraft beams are that they are not very good performers...Their Q is very low, which makes them very broadbanded...

33665. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 15:18:41 UTC
From: k2dfc@...
Topic: 33573 Message: 33665

Then what kind of wire do you use?K2DFC

33666. AW: [ham-antennas] Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 15:22:01 UTC
From: siegfried jackstien
Topic: 33573 Message: 33666

Rough guess ... copperclad steel wire with insulation

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 18. August 2014 15:19
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Question on G5RV
>
>
>
> Then what kind of wire do you use?K2DFC
>
>

33667. RE: [ham-antennas] Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 15:56:11 UTC
From: Joe Wolfe
Topic: 33573 Message: 33667

I run a Windom, off center fed dipole…180 feet total. I live in Reno Nevada, where we DO get snow and ice, (But not like back East) but at my location, 1500 feet higher than Reno, have fierce winds all the time (many times a year, over 100MPH!) I made my Windom using 12 gauge flex wire…it is supported, along it's deployment, by a 10'x2"x2" Redwood, heartwood, post, every 10 feet. (The posts are lagged into my 'good neighbor' redwood fence). I lose a post or two a year , due to the wind action whipping my dipole wire, but have never (Tapping my head, you know. knocking on wood!) had any issues with my wire. I can (but not often, feed the wire with a California kilowatt (sic), which *does* melt any ice build-up, if any, and keeps the birds off their 'roost'.

My wire completely encircles 3 sides of my property, which has created some pretty funny (after the fact) happenings. The property on the West side of my house, is handy for that neighbor's back yard patio. The house was rented for a period of time and a new tenant, at that time, got all settled in and had a housewarming party. I came home from work and found an off the wall high SWR when I tried to get on the radio! Figuring something catastrophic had happened to my antenna, I went out to investigate, and found the entire length of the wire between my property and theirs, decorated with hanging Japanese lanterns, complete with electrical wires. Well, no one was home, at that house, so I got my ladder out and cut their lanterns down and just let them drop onto their side of the fence. About 2 hours later, the new neighbor was at my door. When I answered the door, the neighbor started screaming at me about destroying his property. When he finally took a breath, I explained to him that the wire was not his to do any with, in fact it was an antenna for ham radio. He then told me it was on 'his' fence so he could do anything he wished. At that time, I told him that was not true and if he touched my antenna again, he would be bucking Federal laws and could be jailed for doing so. I also told him the fence was built by me, a number of years before any other dwellings were erected in my neighborhood, so the fence was NOT his. He got belligerent again, but…lucky for me, a good friend, who is (was) a Washoe County Deputy Sheriff had stopped by to see a new gun I had purchased, and as he was on his way home after a shift, he still had his uniform on. He came to the door, introduced himself, and basically informed my irate neighbor, what I had said was true. And under no circumstances, do anything to the wire, and if it were damage in any way, at any time, he was a witness to the threats of damage and he would be arrested, on the spot, on Federal, felony charges. That renter moved out a month later as the house was sold to a now, great neighbor!

Well, There is more to the story, but as I have already hi-jacked this interesting thread, I will leave it for another time.

OK, back to wire. Just use a good grade of flex wire, with an appropriate gauge for the perceived amount of load, and ice and snow will not be an issue.

Joe – W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: [ham-antennas] Re: Question on G5RV

Then what kind of wire do you use?K2DFC

33668. AW: [ham-antennas] Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 16:09:58 UTC
From: siegfried jackstien
Topic: 33573 Message: 33668

Nice story about your "bad" now good neighbour :-)

For melting ice ... why not build a loop instead??

can be heated with a variac if the kilowatt amp is not ready :-)

and loops are quieter in receive (lower noise)

greetz

sigi

dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 18. August 2014 15:56
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] Re: Question on G5RV
>
>
>
> I run a Windom, off center fed dipole 180 feet total. I live in Reno
> Nevada, where we DO get snow and ice, (But not like back East) but at my
> location, 1500 feet higher than Reno, have fierce winds all the time (many
> times a year, over 100MPH!) I made my Windom using 12 gauge flex wire it
> is supported, along it□s deployment, by a 10□x2□x2□ Redwood, heartwood,
> post, every 10 feet. (The posts are lagged into my □good neighbor□
> redwood fence). I lose a post or two a year , due to the wind action
> whipping my dipole wire, but have never (Tapping my head, you know.
> knocking on wood!) had any issues with my wire. I can (but not often,
> feed the wire with a California kilowatt (sic), which *does* melt any ice
> build-up, if any, and keeps the birds off their □roost□.
>
>
>
> My wire completely encircles 3 sides of my property, which has created
> some pretty funny (after the fact) happenings. The property on the West
> side of my house, is handy for that neighbor□s back yard patio. The house
> was rented for a period of time and a new tenant, at that time, got all
> settled in and had a housewarming party. I came home from work and found
> an off the wall high SWR when I tried to get on the radio! Figuring
> something catastrophic had happened to my antenna, I went out to
> investigate, and found the entire length of the wire between my property
> and theirs, decorated with hanging Japanese lanterns, complete with
> electrical wires. Well, no one was home, at that house, so I got my

> ladder out and cut their lanterns down and just let them drop onto their
> side of the fence. About 2 hours later, the new neighbor was at my door.
> When I answered the door, the neighbor started screaming at me about
> destroying his property. When he finally took a breath, I explained to
> him that the wire was not his to do any with, in fact it was an antenna
> for ham radio. He then told me it was on □his□ fence so he could do
> anything he wished. At that time, I told him that was not true and if he
> touched my antenna again, he would be bucking Federal laws and could be
> jailed for doing so. I also told him the fence was built by me, a number
> of years before any other dwellings were erected in my neighborhood, so
> the fence was NOT his. He got belligerent again, but lucky for me, a good
> friend, who is (was) a Washoe County Deputy Sheriff had stopped by to see
> a new gun I had purchased, and as he was on his way home after a shift, he
> still had his uniform on. He came to the door, introduced himself, and
> basically informed my irate neighbor, what I had said was true. And
> under no circumstances, do anything to the wire, and if it were damage in
> any way, at any time, he was a witness to the threats of damage and he
> would be arrested, on the spot, on Federal, felony charges. That renter
> moved out a month later as the house was sold to a now, great neighbor!
>
>
>
> Well, There is more to the story, but as I have already hi-jacked this
> interesting thread, I will leave it for another time.
>
>
>
> OK, back to wire. Just use a good grade of flex wire, with an appropriate
> gauge for the perceived amount of load, and ice and snow will not be an
> issue.
>
>
>
> Joe □ W7RKN
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Subject: [ham-antennas] Re: Question on G5RV
>
>
>
>
>
> Then what kind of wire do you use?K2DFC
>
>
>
>

>

33669. RE: [ham-antennas] Re: (Was:Question on G5RV Now Hi-jacked To What I Have)

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 16:29:42 UTC
From: Joe Wolfe
Topic: 33669 Message: 33669

I had considered a loop at one time, but no way to get the 4th 'leg' around the front of my property, ie: no way to support a 100 foot run of wire, not to mention the protests from my wife.

Most of my radio work is on 17, 40, and 75/80. The wire is great for 40 and lower here (In actuality, it is pretty good for everything from 6 down)....but I do have a nice Hygain tri-band'er we are going roof mount on a well guyed Glen Martin, (House at its peak is 68 foot above ground elevation) and I will be swinging a Hygain 17m mono-band'er as well...hopefully, with judicious care and awareness of 'parking the beams' they will survive the winds here.....

-----Original Message-----
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: AW: [ham-antennas] Re: Question on G5RV

Nice story about your "bad" now good neighbour :-)

For melting ice ... why not build a loop instead??

can be heated with a variac if the kilowatt amp is not ready :-)

and loops are quieter in receive (lower noise)

33670. Re: [ham-antennas] Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-18 18:20:49 UTC
From: David V Colton
Topic: 33573 Message: 33670

So Jerry...IF you are not using copper, what are you using? Aluminium? Steel? If so, how are you connecting it to your coax or ladder line. Wondering minds would like to know.

-----Original Message-----
From: jerrybosak@yahoo.com [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Aug 18, 2014 9:47 am
Subject: [ham-antennas] Re: Question on G5RV

I will sell you my brand new G5RV for $65.00 - just what I paid for it!It was only used for 2 weeks!You will have that much into building your own by the time you buy your insulators and your ladder line and your copper weld wire..In my neighborhood you can't use solid or stranded copper wire.When the ice builds up on it - it will stretch and detune and eventually break..

33671. Re: Cushcraft 6 Meter Beam seems a bit different from today's A50-3S

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 03:52:30 UTC
From: myfamilydotcom@...
Topic: 33661 Message: 33671

Nascar this is definitely a Cushcraft - It is exactly the same as the Cushcraft product except for the differences I mentioned. The manufacturing details are exactly like the cushcraft yagis which I am familiar with. Based on further research I think it may have been prevously sold as a Cushcraft A50-3 (without the S designation, which singnifies older and not stainless steel hardware I believe).

If someone can steer me towards an old manual of this I'd be appreciative.

Kevin

33672. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 04:57:54 UTC
From: Wayne Leake
Topic: 33608 Message: 33672

I prefer Texas myself. No zoning most parts, other than some incorporated cities, etc.
Beware HOA's and CC&Rs though.
They tend to get ridiculous.
However, it is hot in summer, winters mostly mild.
Dry in parts, and humid in others.
I am in a mostly dry area.
I moved here over 8 years ago, and am able to put up any antennas I want.
Can't afford a tower, was hoping to salvage a TV antenna tower or two, but that never happened.
Plus I am able to keep the animals I always wanted.
taxes fairly low, and plenty of places can be found if you take the time to search and search.
No income tax, and no state tax on lottery/gambling winnings.
of course, are always some drawbacks no matter where.
In Nevada, I would suggest Pahrump over Las Vegas any day.
But it is costlier there, and you need permits for many things.
here, the only permit needed was for the septic system that was put in...

Just my 2 dollars worth...
YMMV

Wayne WA2YNE
imperial Texas, in the Pecos river valley.

33673. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 06:14:10 UTC
From: Keith Heimbold
Topic: 33608 Message: 33673

I agree with Texas. Hill country is nice near San Antonio and Austin. Where my inlaws live in EL09 it costs $25 for a building permit. No inspection required. Talk about ham friendly.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Aug 18, 2014, at 9:58 PM, "Wayne Leake wa2yne@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I prefer Texas myself. No zoning most parts, other than some incorporated cities, etc.
> Beware HOA's and CC&Rs though.
> They tend to get ridiculous.
> However, it is hot in summer, winters mostly mild.
> Dry in parts, and humid in others.
> I am in a mostly dry area.
> I moved here over 8 years ago, and am able to put up any antennas I want.
> Can't afford a tower, was hoping to salvage a TV antenna tower or two, but that never happened.
> Plus I am able to keep the animals I always wanted.
> taxes fairly low, and plenty of places can be found if you take the time to search and search.
> No income tax, and no state tax on lottery/gambling winnings.
> of course, are always some drawbacks no matter where.
> In Nevada, I would suggest Pahrump over Las Vegas any day.
> But it is costlier there, and you need permits for many things.
> here, the only permit needed was for the septic system that was put in...
>
> Just my 2 dollars worth...
> YMMV
>
> Wayne WA2YNE
> imperial Texas, in the Pecos river valley.
>
>
>

33674. OCF question

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 14:08:56 UTC
From: steve.lenaghan@...
Topic: 33674 Message: 33674

I have a 100' square yard with tall pines and I am running a 135' OCF diagonally. I am thinking of adding a 90' folded dipole to allow my radio to run MARS ALE without a tuner. If I run the new antenna along the side of my lot will the antennas interact? Besides CFARS (Canadian MARS) we exercise with the military on their frequencies none of which are harmonically related.

73 Steve VE5SR

33675. Re: [ham-antennas] OCF question

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 14:30:02 UTC
From: Artek Manuals
Topic: 33674 Message: 33675

There will be interaction but likely not a lot since I don't think
either antenna is a near multiple of a 1/4 wave and the antennas are not
parallel to each other. The interaction could be minimized by running
the antennas at right angles. i.e run the 90' antenna across the other
diagonal of the lot with even only 1 foot of separation at the crossing
point is not a concern.

Dave

On 8/19/2014 9:08 AM, steve.lenaghan@... [ham-antennas] wrote:
>
> I have a 100' square yard with tall pines and I am running a 135' OCF
> diagonally. I am thinking of adding a 90' folded dipole to allow my
> radio to run MARS ALE without a tuner. If I run the new antenna along
> the side of my lot will the antennas interact? Besides CFARS
> (Canadian MARS) we exercise with the military on their frequencies
> none of which are harmonically related.
>
> 73 Steve VE5SR
>
>

--
Dave
Manuals@...
www.ArtekManuals.com

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33676. GAP Mono...

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 15:56:19 UTC
From: David Cole
Topic: 33676 Message: 33676

Hi,
Has anyone used a 30 Meter GAP mono band vertical dipole? If so, what are your thoughts on it. How did it compare to a monopole vertical with ground radials?

Any thoughts at all would be helpful in my decision making process. Remember, the GAP MONO's are vertical dipoles, not vertical monopoles... Thoughts?

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

33677. Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 17:36:43 UTC
From: Joe
Topic: 33677 Message: 33677
Attachments: 1 described; binary payloads are missing from this source WARC

As someone with old Equipment, Drake TR-4, Kenwood TS-430S none have the ability to "Talk" to any other equipment. Computers, Tuners etc.

During Field Day they had a Icom 718 and a matching tuner from some company. It was I have to admit pretty cool. If it was the first time on a band or freq you pushed a button on the rig and it transmitted a low power signal and the tuner and the rig automatically tuned for min SWR, pretty neat. Then from then on later on if you changed bands and ended up near the same freq, as soon as you set the radio there the runer already knew the settings for best match and even before transmitting set itself to what was a good match last time. Cool.

Now I know these old rigs can not do that.

But can any of these tuners do an auto tune without talking to the rig?

Like if I wanted to tune up I'd set it at a low level 5 to 10 watts and hit a button on the tuner. and it auto tunes.

are there any tuners like that?

I have all sorts of tuners here from Johnson KW to home brew roller ones.

But Man-O-Man that auto tuning sure is nice. So can they operate with old rigs like mine with no computer talking at all?

Joe WB9SBD
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

33678. Re: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 18:18:00 UTC
From: Andy
Topic: 33677 Message: 33678

Joe asked:

"But can any of these tuners do an auto tune without talking to the rig?"

I am fairly sure the SGC autotuners (and maybe others) can do pretty much just that. You transmit on a new frequency, they see you transmitting and take a second or two to auto-tune, and done. You transmit again on a frequency in its memory, they recall the settings, and done ... within milliseconds. Well maybe not that fast, but almost instantaneous, much less than a second.

I *think* they don't even need you to tune-up on low power. And I'm pretty sure they do it just fine even with SSB, which can be tricky for some auto-tuners.

Wish I had the spare cash sitting around for one.

Regards,
Andy

33679. Re: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 18:29:19 UTC
From: Nelson Wittstock
Topic: 33677 Message: 33679

I have an Elecraft KAT500 that will work with any radio. They say it will tune with just 10 watts but prefers 20+ watts. It will handle up to 500 watts and tune up to 10 - 1 swr on most bands. Check the Elecraft web site for more info. NFI here but I do have the complete Elecraft line up. Happy hunting.

Nelson, K8DJC

33680. Re: [ham-antennas] Anyone in Las Vegas

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 18:48:21 UTC
From: Dave Holcomb / K9DBA
Topic: 33608 Message: 33680

i like and recommend the pahrump and sandy valley areas myself.

33681. Re: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 19:03:29 UTC
From: Robert Ahrens
Topic: 33677 Message: 33681

My ldg 100 does.
On Aug 19, 2014 11:29 AM, "'Nelson Wittstock' k8djc@zoominternet.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> I have an Elecraft KAT500 that will work with any radio. They say it
> will tune with just 10 watts but prefers 20+ watts. It will handle up to
> 500 watts and tune up to 10 - 1 swr on most bands. Check the Elecraft web
> site for more info. NFI here but I do have the complete Elecraft line up.
> Happy hunting.
>
> Nelson, K8DJC
>
>

33682. Re: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 19:40:26 UTC
From: Alex Netherton
Topic: 33677 Message: 33682

I use an LDG At-100 ProII and a MFJ-993B, both of which need no input from the rig. Just put in about 10 watts, the thing rattles for a while (the LDG often for a LONG while), and the lights flash for a match. If you have tuned near there on that antenna recently, it just makes a quiet "click" and is there.
LDG is a good price, and you will need the AT-200 (200 watts) or the MFJ 993B (350 watts) for a TR4! I had one, and it is a hoss!

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Tue, Aug 19, 2014 at 3:03 PM, Robert Ahrens robertahrens52@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> My ldg 100 does.
> On Aug 19, 2014 11:29 AM, "'Nelson Wittstock' k8djc@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> I have an Elecraft KAT500 that will work with any radio. They say it
>> will tune with just 10 watts but prefers 20+ watts. It will handle up to
>> 500 watts and tune up to 10 - 1 swr on most bands. Check the Elecraft web
>> site for more info. NFI here but I do have the complete Elecraft line up.
>> Happy hunting.
>>
>> Nelson, K8DJC
>>
>>
>

33683. Re: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 20:37:03 UTC
From: Robert Cavanaugh
Topic: 33677 Message: 33683

Hi,
I have an autotuner for the Yaesu FT-897 from LDG. In the manual it states you can just send a low power AM signal then hit the tune button and it will tune up any type of radio. For tuning the Yaesu, I connect the control cable as well as a coax jumper.

73,
Bob Cavanaugh - AG6YK

On Tuesday, August 19, 2014 12:45 PM, "Robert Ahrens robertahrens52@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

My ldg 100 does.
On Aug 19, 2014 11:29 AM, "'Nelson Wittstock' k8djc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
>I have an Elecraft KAT500 that will work with any
radio. They say it will tune with just 10 watts but prefers 20+
watts. It will handle up to 500 watts and tune up to 10 - 1 swr on most
bands. Check the Elecraft web site for more info. NFI here but I do
have the complete Elecraft line up. Happy hunting.
>
>Nelson, K8DJC

33684. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 21:13:33 UTC
From: tony costa
Topic: 33573 Message: 33684

You paid 65.00 , had it in the air for a few weeks and want 65.00!! WOW what a deal. You sure that is all you want? Don't want to take advantage of you.

33685. AW: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 22:10:00 UTC
From: siegfried jackstien
Topic: 33677 Message: 33685

Hello roller coaster man ... yes ... modern autotuners can do that

My yaesu fc1000 works with any rig

Contacts needed is ptt, agc and 12v

With yaesu rigs the tuner talks with the rig (memory settings) ... wit all other rigs the memory function does not work

But after a qsy just a short tuning time is needed even without memory

...

My friend gas a cg3000 ... (almost similar to the sgc tuners)

That tuner does only need 12 v and nothing else

And those 12v power can be brought to the tuner via the coax (dc injector, phantom power, ...) ... so installing such a tuner at the antenna is really simple

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 19. August 2014 17:37
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Auto Tuners
>
>
>
> As someone with old Equipment, Drake TR-4, Kenwood TS-430S none have the
> ability to "Talk" to any other equipment. Computers, Tuners etc.
>
> During Field Day they had a Icom 718 and a matching tuner from some
> company. It was I have to admit pretty cool. If it was the first time on
> a band or freq you pushed a button on the rig and it transmitted a low
> power signal and the tuner and the rig automatically tuned for min SWR,
> pretty neat. Then from then on later on if you changed bands and ended up
> near the same freq, as soon as you set the radio there the runer already
> knew the settings for best match and even before transmitting set itself
> to what was a good match last time. Cool.
>
> Now I know these old rigs can not do that.
>
> But can any of these tuners do an auto tune without talking to the rig?

>
> Like if I wanted to tune up I'd set it at a low level 5 to 10 watts and
> hit a button on the tuner. and it auto tunes.
>
> are there any tuners like that?
>
> I have all sorts of tuners here from Johnson KW to home brew roller ones.
>
> But Man-O-Man that auto tuning sure is nice. So can they operate with old
> rigs like mine with no computer talking at all?
>
> Joe WB9SBD
>
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
>
>

33686. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 22:49:14 UTC
From: email4utoo@...
Topic: 33573 Message: 33686

Have you looked into Moxon or Hex Beams, you can build them mono or multi band , some do not have to be not far off the ground to work well , also Delta Loops are supposed to be quiet and far reaching , or an H " shaped Dipole it has a driven element and a reflector . Just some ideas to share , AJ W5HEH

33687. Re: [ham-antennas] Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-19 23:11:31 UTC
From: David V Colton
Topic: 33573 Message: 33687

Tony: You got to allow that Jerry's (WD3D) elevator doesn't quite make it to the top floor...sometimes.
I am waiting until HE has to go into a nursing home-someday, then I will go visit and make sure he get's what he want's...NO ham radio allowed in the Nursing home! (His words..not mine.)

-----Original Message-----
From: 'tony costa' k2vi@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Tue, Aug 19, 2014 5:14 pm
Subject: [ham-antennas] Re: Question on G5RV

You paid 65.00 , had it in the air for a few weeks and want 65.00!! WOW what a deal. You sure that is all you want? Don't want to take advantage of you.

33688. Re: AW: [ham-antennas] Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-20 10:34:17 UTC
From: Jeffrey Lord
Topic: 33677 Message: 33688

SGC 239 will do what you are after cost is around $230

Jeff
Vk4fnrs

Sent from my iPhone

33689. Re: Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-20 16:37:55 UTC
From: drdosus@...
Topic: 33677 Message: 33689

The auto-tuner on myTS940 does just that. Pick your freq, push the tune button and it tunes for lowest VSWR.No talking no nothing, just hit the "tune" and away we go

33690. Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-20 17:02:02 UTC
From: michael.theiss@...
Topic: 33690 Message: 33690

Is there anybody in this Group who still has a manual (assembling instruction) for, or who still uses the first edition of the AVQ-12 from the late 60th ?
I need assembling details (length of the different pipes).
Note: The manual that is available on the internett is for the latest edition and does NOT give the necessary answers.
Even HyGain sent me an e-mail and told me that they do not have the necessary details any longer.
For stability reasons (wind resistance), HyGain changed the lay-out many years ago.
I know how it could be done w/o manual by "trying and testing" but this would be "hard work", because the GP is mounted on a 6 m high pipe.
Best regards
Mick, LI5SAA

33691. Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-20 20:57:20 UTC
From: Chuck Schultz
Topic: 33690 Message: 33691

Call on my old friends "Trial " and "error" . They solve most
problems and questions . If they are not available lay it on some
saw horses and connect it to a analyzer . You should get it fairly
close . Chuck Wq5B
On 8/20/2014 12:02 PM, michael.theiss@... [ham-antennas] wrote:
>
> Is there anybody in this Group who still has a manual (assembling
> instruction) for, or who still uses the first edition of the AVQ-12
> from the late 60th ?
>
> I need assembling details (length of the different pipes).
>
> Note: The manual that is available on the internett is for the latest
> edition and does NOT give the necessary answers.
>
> Even HyGain sent me an e-mail and told me that they do not have the
> necessary details any longer.
>
> For stability reasons (wind resistance), HyGain changed the lay-out
> many years ago.
>
> I know how it could be done w/o manual by "trying and testing" but
> this would be "hard work", because the GP is mounted on a 6 m high pipe.
>
> Best regards
>
> Mick, LI5SAA
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33692. Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-20 21:20:48 UTC
From: WW5G
Topic: 33690 Message: 33692

I have the book email me at rbaker@pine-net .com
WW5G

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, August 20, 2014 3:57 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Call on my old friends "Trial " and "error" . They solve most problems and questions . If they are not available lay it on some saw horses and connect it to a analyzer . You should get it fairly close . Chuck Wq5B

On 8/20/2014 12:02 PM, michael.theiss@... [ham-antennas] wrote:

Is there anybody in this Group who still has a manual (assembling instruction) for, or who still uses the first edition of the AVQ-12 from the late 60th ?

I need assembling details (length of the different pipes).

Note: The manual that is available on the internett is for the latest edition and does NOT give the necessary answers.

Even HyGain sent me an e-mail and told me that they do not have the necessary details any longer.

For stability reasons (wind resistance), HyGain changed the lay-out many years ago.

I know how it could be done w/o manual by "trying and testing" but this would be "hard work", because the GP is mounted on a 6 m high pipe.

Best regards

Mick, LI5SAA

This email is free from viruses and malware because avast! Antivirus protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4745 / Virus Database: 4007/8069 - Release Date: 08/20/14

33693. Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 02:05:50 UTC
From: Michael Theiss
Topic: 33690 Message: 33693

Hi Chuck.
You are right, of course. I dont have an analyser (would like to have - but pretty expensive), but I can solve the problem by trial and error finding resonance, starting at 10 m, then 15, etc.
However, this could be a heck of a job.
Ronald has a manual of the old type AVQ-12, which would make things nicer and easier. I am at present e-mailing with him.
Hope to meet you on the bands some day. Here 90% CW.
73
Mick LA5SAA / LI5SAA

Onsdag 20. August 2014 22:57 CEST skrev "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com>:
    Call on my old friends "Trial " and "error" . They solve most problems and questions . If they are not available lay it on some saw horses and connect it to a analyzer . You should get it fairly close . Chuck Wq5BOn 8/20/2014 12:02 PM, michael.theiss@... [ham-antennas] wrote: Is there anybody in this Group who still has a manual (assembling instruction) for, or who still uses the first edition of the AVQ-12 from the late 60th ?
I need assembling details (length of the different pipes).
Note: The manual that is available on the internett is for the latest edition and does NOT give the necessary answers.
Even HyGain sent me an e-mail and told me that they do not have the necessary details any longer.
For stability reasons (wind resistance), HyGain changed the lay-out many years ago.
I know how it could be done w/o manual by "trying and testing" but this would be "hard work", because the GP is mounted on a 6 m high pipe.
Best regards
Mick, LI5SAA

This email is free from viruses and malware because avast! Antivirus protection is active.

33694. AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 04:40:38 UTC
From: siegfried jackstien
Topic: 33690 Message: 33694

Go and buy a sark100 or mini60

Very cheap antenna analyzer

Can be used together with pc (so you can see a whole sweep over complete shortwave range or just over band/s of interest)

Sark100 is a bit cheaper and does not have Bluetooth module (can be added for 5-10 bucks)

Mini60 has built in lithium battery and charger ...and is a bit smaller

And has Bluetooth module (you can do a sweep without cable to pc)

There is also an android soft available so you can see a sweep on a smart-phone

... I bought a sark100 and added the bt module by myself ...

If you are not so very well in modding/homebrewing ... then go for the mini60

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 21. August 2014 02:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Assembling an old AVQ-12 groundplane
>
>
>
> Hi Chuck.
> You are right, of course. I dont have an analyser (would like to have -
> but pretty expensive), but I can solve the problem by trial and error
> finding resonance, starting at 10 m, then 15, etc.
> However, this could be a heck of a job.
> Ronald has a manual of the old type AVQ-12, which would make things nicer
> and easier. I am at present e-mailing with him.
> Hope to meet you on the bands some day. Here 90% CW.
> 73
> Mick LA5SAA / LI5SAA
>
> Onsdag 20. August 2014 22:57 CEST skrev "Chuck Schultz wq5b@...

> [ham-antennas]" <ham-antennas@yahoogroups.com>:
>
>
>
>
>
> Call on my old friends "Trial " and "error" . They solve most problems
> and questions . If they are not available lay it on some saw horses
> and conn ect it to a analyzer . You should get it fairly close . Chuck
> Wq5B
> On 8/20/2014 12:02 PM, michael.theiss@... [ham-antennas] wrote:
>
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> Is there anybody in this Group who still has a manual (assembling
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> necessary details any longer.
> For stability reasons (wind resistance), HyGain changed the lay-out
> many years ago.
> I know how it could be done w/o manual by "trying and testing" but
> this would be "hard work", because the GP is mounted on a 6 m high pipe.
> Best regards
> Mick, LI5SAA
>
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>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
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33695. AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 08:34:29 UTC
From: Michael Theiss
Topic: 33690 Message: 33695

Guten Morgen Sigi :-)
Thanks for you feedback. Very interesting, and I have spent some time googling and thinking.
None of the two can be bought from our Norwegian dealers - and I have had some problems with deliveries from e-bay or amazon thru the years.
See also the youtube video https://www.youtube.com/watch?v=c58E38VET_g
And: Around 200 Dollars (incl taxes) is a lot of money.
After years of experiments with antennas I have ended up with a 2 x 18 m doublet for all bands 80 to 6 m,
and a designated vertical with 7 elevated radials for the 60 m band (see photo at qrz.com for LA5SAA).
My xyl and the close-by neighbours are just accepting these things as they are. More is not possible here :-(.
During /p qrp operations I normally use end-fed antennas with a tuner, or designated inverted v dipoles from a telescopic mast.
I am more than 70 years old, and dont think I will build many more antennas, so the analyser is not really necessary any more, but would be "nice to have".
The old AVQ-12 has been hanging disassembled in cellars and later in my car port since about 1970, and I just want to test if it gives better results on dx than my doublet. If so, I would take the 60 m vertical down during summers when qrn is high on 60, and replace it with the AVQ-12 in june and july, when our nights are very short.
To buy an analyser just for assembling the AVQ-12 would be .... well ;-).
It's a pity that we are getting old and have to walk more slowly ;-).
Herzliche Grüsse
Mick LI5SAA ex DJ8EP

Torsdag 21. August 2014 06:40 CEST skrev "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com>:
    Go and buy a sark100 or mini60

Very cheap antenna analyzer

Can be used together with pc (so you can see a whole sweep over complete shortwave range or just over band/s of interest)

Sark100 is a bit cheaper and does not have Bluetooth module (can be added for 5-10 bucks)

Mini60 has built in lithium battery and charger ...and is a bit smaller

And has Bluetooth module (you can do a sweep without cable to pc)

There is also an android soft available so you can see a sweep on a smart-phone

... I bought a sark100 and added the bt module by myself ...

If you are not so very well in modding/homebrewing ... then go for the
mini60

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 21. August 2014 02:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Assembling an old AVQ-12 groundplane
>
>
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> Hi Chuck.
> You are right, of course. I dont have an analyser (would like to have -
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> However, this could be a heck of a job.
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> Hope to meet you on the bands some day. Here 90% CW.
> 73
> Mick LA5SAA / LI5SAA
>
> Onsdag 20. August 2014 22:57 CEST skrev "Chuck Schultz wq5b@...
> [ham-antennas]" <ham-antennas@yahoogroups.com>:
>
>
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> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
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33696. Re: [ham-antennas] Re: Auto Tuners

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 12:45:24 UTC
From: Jon Ermels
Topic: 33677 Message: 33696

There are several brands that will do that when all you have to do is key 10 or so watts and push one button. Most will tune when you just start talking but using that feature can cause problems when

QRO. I use MFJ-998's have great performance even on 160M which some brands. The MFJ-998 will also shut off your amp if you run the cable through it with the provided RCA plugs.

73 de NØIGU
Jon

On Wednesday, August 20, 2014 11:37 AM, "drdosus@... [ham-antennas]" <ham-antennas@...m> wrote:

>
>
>
>
>
>The auto-tuner on myTS940 does just that. Pick your freq, push the tune button and it tunes for lowest VSWR.No talking no nothing, just hit the "tune" and away we go
>
>
>
>
>

33697. Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 15:43:04 UTC
From: Kenneth G. Gordon
Topic: 33690 Message: 33697

On 21 Aug 2014 at 10:34, 'Michael Theiss' michael.theiss@... wrote:

> It's a pity that we are
> getting old and have to walk more slowly ;-). Herzliche Grüsse Mick LI5SAA ex
> DJ8EP

Don't feel alone. I'm 72 and "walking more slowly". Sigh....

vy 73,

Ken W7EKB

33698. Re: AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 17:05:34 UTC
From: k9jfk@...
Topic: 33690 Message: 33698

There are other sources for swept frequency antenna analyzers. I recently purchased a kit from Fox Delta...Ham :: Amateur Radio Projects and kits by Fox Delta http://www.foxdelta.com/products/

http://www.foxdelta.com/products/

Ham :: Amateur Radio Projects and kits by Fox Delta http://www.foxdelta.com/products/ amateur radio projects and kits by fox delta

View on www.foxdelta.com http://www.foxdelta.com/products/
Preview by Yahoo

They can be purchased as a kit, partial kit, or assembled. Took a while to reach me as it was shipped from India... be patient.

LCD PIC18F2550/2553 35MHZ USB POWERED ANTENNA ANALYZER:AAZ-0912A: By Tony/I2TZK, Frank/k7sfn, Dinesh/VU2FD http://www.foxdelta.com/products/aaz-0912.htm

http://www.foxdelta.com/products/aaz-0912.htm

LCD PIC18F2550/2553 35MHZ USB POWERED ... http://www.foxdelta.com/products/aaz-0912.htm Forward & reflected RF Power Measurment with PIC16F88 microcontrllers by fox delta

View on www.foxdelta.com http://www.foxdelta.com/products/aaz-0912.htm
Preview by Yahoo

Partial kit, with shipping, was about 65$US. I purchased the partial kit because my skills at mounting surface mounted parts is not great.

The device will be powered by the USB from my laptop, which also collects the data and graphs it. Software is freely available at the web site.

73, Jimmie, K9JFK

33699. Re: [ham-antennas] A "Thank you" to two here.

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 17:55:43 UTC
From: Kenneth G. Gordon
Topic: 33690 Message: 33699

Over the past week or two, I have been dealing with what I, at least, have regarded as an important issue with an antenna system which is primarily being used for EMCOMM use in Alaska.

A station, AL7N, who has pretty much dedicated his life and station to providing reliable communications into and out of Alaska for emergency purposes, but who is very limited on both resources and available "territory" on which to install antennas, had been trying to use, as his primary antenna to communicate with the lower-48, his own design of a much too low vee-beam, made out of wire, and fed with home-made open-wire-line, and with the far ends grounded.

His signal here in the lower-48 has always been very marginal and difficult for any of us in the NorthWest and California to reliably use.

After considerable discussion with him, I asked two of our regular members here, (who shall both remain nameless in order to keep them from being inundated with similar requests), to both examine his present antenna with antenna pattern plotting programs and to suggest an alternative, better performing, antenna.

A plot of his present antenna with EZNEC proved that it was (in the words of the one who did the plot) "UGLY", with a very significant null in the vertical radiation pattern, and VERY low "gain". He termed it a "worm warmer or ground defroster".

After much discussion with AL7N, and after downloading and installing both EZNEC and MMANA-GAL, and plotting some results, I suggested to AL7N that he install an inverted-vee, fed with his OWL.

The results, although not "spectacular", are VERY much improved. Whereas on his previous antenna, his signal was always just above the local noise level at any of several receiving stations here in the NorthWest and California, his signal level is now 579 in most places.

We are all very pleased, and I wish to publically thank both of the members of our forum who helped. You know who you are, and, again, I thank you heartily.

vy 73,

Ken W7EKB

33700. Re: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 19:30:11 UTC
From: Chuck Schultz
Topic: 33690 Message: 33700

At 71 and three heart attacks ,two strokes, two back surgeries , a valve replacement in my heart, two surgeries to cleanse the arteries in my neck, nineteen angioplasties , twenty seven stents and two Corporal tunnel procedures , three hemorrhoid surgeries and a few more incidentals I feel very pleased to walk . I even drive and supevise when the club install another tower . Lucky Chuck Wq5B
On 8/21/2014 10:43 AM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> On 21 Aug 2014 at 10:34, 'Michael Theiss' michael.theiss@... wrote:
>
> > It's a pity that we are
> > getting old and have to walk more slowly ;-). Herzliche Gr?sse Mick
> LI5SAA ex
> > DJ8EP
>
> Don't feel alone. I'm 72 and "walking more slowly". Sigh....
>
> vy 73,
>
> Ken W7EKB
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33701. AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-21 22:08:39 UTC
From: siegfried jackstien
Topic: 33690 Message: 33701

Nabend Mick

I bought the sark for

Around 90 dollars (70 euros) ... free shipping!

(and nothing else!!!)

http://www.aliexpress.com/item/New-ANT-SWR-Antenna-Analyzer-Meter-For-SARK100-Ham-Radio-Hobbists/1986217675.html

the mini60 does cost just a bit more

around 128 dollars (97 euros) ... also with free shipping

http://www.aliexpress.com/item/2014-Brand-New-1Pcs-Mini-HF-ANT-SWR-Antenna-Analyzer-SARK100-For-Ham-Radio-Hobbists-1/1989698377.html

both can be used standalone in the field (lcd display) ...

or connected to pc/laptop ... or to an android smartphone

sark100 via usb (but adding bt module does only cost around 5-10 dollars)

and mini60 via usb and Bluetooth (ready to use)

.....

Where did you find 200 dollars?!?

Dg9bfc

Sigi

Ps ... I know no spamming in this group ... but sure these cheap analyzers are also interesting for others... if you only need shortwave ... that is cheapest solution

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 21. August 2014 08:34
> An: ham-antennas@yahoogroups.com
> Betreff: AW: [ham-antennas] Assembling an old AVQ-12 groundplane
>
>
>
> Guten Morgen Sigi :-)
> Thanks for you feedback. Very interesting, and I have spent some time
> googling and thinking.

> None of the two can be bought from our Norwegian dealers - and I have had
> some problems with deliveries from e-bay or amazon thru the years.
> See also the youtube video https://www.youtube.com/watch?v=c58E38VET_g
> And: Around 200 Dollars (incl taxes) is a lot of money.
> After years of experiments with antennas I have ended up with a 2 x 18 m
> doublet for all bands 80 to 6 m,
> and a designated vertical with 7 elevated radials for the 60 m band (see
> photo at qrz.com for LA5SAA).
> My xyl and the close-by neighbours are just accepting these things as they
> are. More is not possible here :-(.
> During /p qrp operations I normally use end-fed antennas with a tuner, or
> designated inverted v dipoles from a telescopic mast.
> I am more than 70 years old, and dont think I will build many more
> antennas, so the analyser is not really necessary any more, but would be
> "nice to have".
> The old AVQ-12 has been hanging disassembled in cellars and later in my
> car port since about 1970, and I just want to test if it gives better
> results on dx than my doublet. If so, I would take the 60 m vertical down
> during summers when qrn is high on 60, and replace it with the AVQ-12 in
> june and july, when our nights are very short.
> To buy an analyser just for assembling the AVQ-12 would be .... well ;-).
> It's a pity that we are getting old and have to walk more slowly ;-).
> Herzliche Grüsse
> Mick LI5SAA ex DJ8EP
>
> Torsdag 21. August 2014 06:40 CEST skrev "'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>:
>
>
>
>
>
> Go and buy a sark100 or mini60
>
> Very cheap antenna analyzer
>
> Can be used together with pc (so you can see a whole sweep over complete
> shortwave range or just over band/s of interest)
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> Sark100 is a bit cheaper and does not have Bluetooth module (can be added
> for 5-10 bucks)
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> Mini60 has built in lithium battery and charger ...and is a bit smaller
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> And has Bluetooth module (you can do a sweep without cable to pc)
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> There is also an android soft available so you can see a sweep on a
> smart-phone
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> ... I bought a sark100 and added the bt module by myself ...
>
> If you are not so very well in modding/homebrewing ... then go for the
> mini60
>
> Greetz
>
> Sigi
>
> Dg9bfc
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 21. Au gust 2014 02:06
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Assembling an old AVQ-12 groundplane
> >
> >
> >
> > Hi Chuck.
> > You are right, of course. I dont have an analyser (would like to have -
> > but pretty expensive), but I can solve the problem by trial and error
> > finding resonance, starting at 10 m, then 15, etc.
> > However, this could be a heck of a job.
> > Ronald has a manual of the old type AVQ-12, which would make things
> nicer
> > and easier. I am at present e-mailing with him.
> > Hope to meet you on the bands some day. Here 90% CW.
> > 73
> > Mick LA5SAA / LI5SAA
> >
> > Onsdag 20. August 2014 22:57 CEST skrev "Chuck Schultz wq5b@...
> > [ham-antennas]" <ham-antennas@yahoogroups.com>:
> >
> >
> >
> >
> >
> > Call on my old friends "Trial " and "erro r" . They solve most problems
> > and questions . If they are not available lay it on some saw horses
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> > Wq5B
> > On 8/20/2014 12:02 PM, michael.theiss@... [ham-antennas] wrote:
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> > Is there anybody in this Group who still has a manual (assembling
> > instruction) for, or who still uses the first edition of the AVQ-12 from
> > the late 60th ?
> > I need assembling details (length of the different pipes).
> > Note: The manual that is available on the internett is for the

> > latest edition and does NOT give the necessary answers.
> > Even HyGain sent me an e-mail and told me that they do not have the
> > necessary details any longer.
> > For stability reasons (wind resistance), HyGain changed the lay-out
> > many years ago.
> > I know how it could be done w/o manual by "trying a nd testing" but
> > this would be "hard work", because the GP is mounted on a 6 m high pipe.
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33702. AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 01:52:47 UTC
From: Michael Theiss
Topic: 33690 Message: 33702

Moin Sigi
Have found a price here
http://www.amazon.com/ZJchao-TM-Antenna-Analyzer-Hobbists/dp/B00HH5IBNY
Schönes Wochenende
73
Mick

Fredag 22. August 2014 00:08 CEST skrev "'siegfried jackstien'
siegfried.jackstien@freenet.de [ham-antennas]" <ham-antennas@yahoogroups.com>:
    Nabend Mick

I bought the sark for

Around 90 dollars (70 euros) ... free shipping!

(and nothing else!!!)

http://www.aliexpress.com/item/New-ANT-SWR-Antenna-Analyzer-Meter-For-SARK10
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Sigi

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> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]

> Gesendet: Donnerstag, 21. August 2014 08:34
> An: ham-antennas@yahoogroups.com
> Betreff: AW: [ham-antennas] Assembling an old AVQ-12 groundplane
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> Mick LI5SAA ex DJ8EP
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> Torsdag 21. August 2014 06:40 CEST skrev "'siegfried jackstien'
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> > Gesendet: Donnerstag, 21. Au gust 2014 02:06
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Assembling an old AVQ-12 groundplane
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> > 73
> > Mick LA5SAA / LI5SAA
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> > Onsdag 20. August 2014 22:57 CEST skrev "Chuck Schultz wq5b@...
> > [ham-antennas]" <ham-antennas@yahoogroups.com>:
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33703. Re: [ham-antennas] A "Thank you" to two here.

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 03:59:54 UTC
From: Kenneth G. Gordon
Topic: 33690 Message: 33703

On 21 Aug 2014 at 21:17, Ron Youvan wrote:

> > vee-beam, made out of wire, and fed with home-made open-wire-line, and
> > with the far ends grounded.
>
> I never heard of grounding the ends of a "V" beam.

Neither had I. He figured that since he didn't have any large 600 ohm resistors, and that since his ground conductivity was very low, that grounding them would be better than not. **I** thought he was wrong, but had to go through some long discussions to prove it.

> At least it doesn't seem right to me.

Well, it sure as heck didn't seem right to me either...in addition, it was at a height of 25 feet. IMHO, vee-beams don't really work at a height less than one wavelength.

> > We are all very pleased, and I wish to publicly thank both of the members
> > of our forum who helped. You know who you are, and, again, I thank you
> > heartily.
>
> Thank you for "dropping the other shoe."

You bet.

vy 73,

Ken W7EKB

33704. Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 08:04:17 UTC
From: Billy McFarland
Topic: 33704 Message: 33704

Hello all,

I was thinking of building a portable moxon for one of my friends. I have found this design on line.

http://www.moxonantennaproject.com/TA3GO/TC3EC.htm

I was just wondering if anyone knows how thieves fed. It looks like a single price of coax running the full length feeding each driven element and then a choke balun at the end. Any thoughts?

73 Billy
GM0OBX

33705. AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 09:00:06 UTC
From: siegfried jackstien
Topic: 33690 Message: 33705

Hello mike

If you did not find them for around 100-120 dollars ... then you did not search very well :-)

Alibaba, aliexpress and cart100 ... that are my sources for that ... not amazon

Dir auch nen schöne we ...

Grüss

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 22. August 2014 01:53
> An: ham-antennas@yahoogroups.com
> Betreff: AW: [ham-antennas] Assembling an old AVQ-12 groundplane
>
>
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> Schönes Wochenende
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> > > Gesendet: Donnerstag, 21. Au gust 2014 02:06
> > > An: ham-antennas@yahoogroups.com
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> > >
> > >
> > > <http://www.avast.com/> This email is free from viruses and malware
> > > because avast! Antivirus <http://www.avast.com/> protection is active.
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33706. Re: AW: [ham-antennas] Assembling an old AVQ-12 groundplane

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 09:33:23 UTC
From: Jeffrey Lord
Topic: 33690 Message: 33706

Try carte 100 direct from china prices are better than amazon or eBay

Jeff vk4fnrs

Sent from my iPhone

33707. How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 20:59:29 UTC
From: dbutler1949@...
Topic: 33707 Message: 33707

I am trying to search this forum and another by putting double quotes around the search topic and keep getting the following error message: "Sorry, an error occurred while loading the content."

So how do I search for a specific topic. Dennis, N5OTH

PS: single quote (or whatever it is called) doesn't work either....

33708. Re: [ham-antennas] How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 21:22:22 UTC
From: Andy
Topic: 33707 Message: 33708

I usually don't use quotes. If you need them, try them, but be ready if they don't work.

Yahoo's search function is horrible. Yahoo has had problems with it since ... forever. Your error message might simply be this week's problem. Yahoo's programmers seem to be particularly adept at adding new bugs while removing a few of the old ones.

Andy

33709. Re: [ham-antennas] How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-22 23:37:11 UTC
From: dbutler1949@...
Topic: 33707 Message: 33709

Thanks Andy. Without the quotes I get tons of unrelated posts. Oh well...Dennis N5OTH

33710. Re: [ham-antennas] How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-23 02:54:42 UTC
From: Andy
Topic: 33707 Message: 33710

I just tried a search with and without quotes.

The one without quotes apparently finds any messages with the search term words, together or not.

The search with the quotes worked correctly! No error message.

So I'm guessing either you caught Yahoo when they had a bug going on, or maybe there was an issue with your web browser? Try again, or try another browser or another computer.

Sometimes it also helps to get to Yahoo's "Advanced search" page. To do that, you need to do one successful search (of anything), then click on the "Advanced search" button. It gives you more control over your search. Although, it looks like Yahoo has dumbed down that one as well. :-(

Andy

33711. Re: How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-23 05:37:04 UTC
From: longjohn412@...
Topic: 33707 Message: 33711

This likely won't work with Yahoo Groups but it does work well with other message boards most of which have lousy 1990's era search engines that have been outdated for well over a decade. If you are using Firefox or a derivative you can enter this in the address bar.It's real simple .... first your search term, I'll use 'collinear antennas' then the site you want google to search specifically by using the following .... site:name of website

So you end up with this

collinear antennas site:groups.yahoo.com

Just copy and paste that into your address bar or the Google search page and you'll get a bunch of hits. The problem with groups however is this search all Yahoo Groups not just the this one

Google's search technology just can't be beat ... so far.

I also recommend everyone reads this page because there are a lot of good tips on making Google search more productive.

http://www.google.com/insidesearch/tipstricks/all.html
http://www.google.com/insidesearch/tipstricks/all.html

33712. Re: Question on G5RV

Yahoo group: ham-antennas (2014)
Date: 2014-08-23 13:59:54 UTC
From: ewdawso_1@...
Topic: 33573 Message: 33712

My G5rv, which I purchased many years ago is bare wire and has worked fine for years. It came with 50+ feet of ladderline and calls for a minimum of 70 ft of coax and a 1:1 balun.

33713. Re: How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-23 15:55:48 UTC
From: dbutler1949@...
Topic: 33707 Message: 33713

Okay. I will try the search again -- maybe it was an "off" day for Yahoo.Yesterday I would get maybe a dozen posts listed and then the error.

33714. Re: [ham-antennas] How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-23 17:03:00 UTC
From: Andy
Topic: 33707 Message: 33714

"an error occurred while loading the content."

This sounds like the kind of error I sometimes see when the stupid animated ads don't fully load on a webpage. ("Content", referring to Ads.)

In which case, maybe you should be glad for that!

Andy

33715. Re: How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 15:00:50 UTC
From: A
Topic: 33707 Message: 33715

I use Mozilla with plugins to block Ads , called ABP , no Ads in my yahoo pages ! 73s, AJ W5HEH (Old Bears can learn new Tricks ! hihi)

33716. Re: How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 16:52:02 UTC
From: dbutler1949@...
Topic: 33707 Message: 33716

Thanks for the suggestion. I run Mozilla Firefox with the ABP plug-in but still get the error after a few results.I have also tried Internet Explorer and had the same results. And me and Google just don't get along well.

So I guess I will just have to accept all posts and skim through them for what I am looking for..

I guess it is the "New Era" programmers that are making it difficult for us "oldsters" out here, LOL. Seems to be more and more web sites changing their format too....

Thanks all for the ideas. -- Dennis N5OTH

33717. Re: [ham-antennas] Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 17:49:00 UTC
From: Geoff NW7GM
Topic: 33704 Message: 33717

I am considering a 6m Moxon and will be putting a 1:1 toroidal choke at the feed point. I don't like the air-wound coax choke idea that most use (if any) when they build these antennas.

Maybe make your balun with a FT140-61 toroid with 8 turns of RG316 and place it into a box, similar to how Steve (G3TXQ) makes his Cobweb balun box and attach your 3 driven elements to that (maintaining proper element separation of course).

On Friday, August 22, 2014, Billy McFarland gm0obx@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> Hello all,
>
> I was thinking of building a portable moxon for one of my friends. I have
> found this design on line.
>
> http://www.moxonantennaproject.com/TA3GO/TC3EC.htm
>
> I was just wondering if anyone knows how thieves fed. It looks like a
> single price of coax running the full length feeding each driven element
> and then a choke balun at the end. Any thoughts?
>
> 73 Billy
> GM0OBX
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33718. Re: [ham-antennas] Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 18:04:09 UTC
From: IVAN
Topic: 33704 Message: 33718

/Hi,
Hi,
I build 10 elements 5 band MOXON antena it work very well in
10/12/15/17/20 m band if you need any aditional info I can send to your
e-mail.
73´s Ivan EA8YG // EE8YG

(http://www.qrz.com/db/ea8yg)
/
El 22/08/2014 9:04, Billy McFarland gm0obx@... [ham-antennas]
escribió:
>
>
> Hello all,
>
> I was thinking of building a portable moxon for one of my friends. I
> have found this design on line.
>
> http://www.moxonantennaproject.com/TA3GO/TC3EC.htm
>
> I was just wondering if anyone knows how thieves fed. It looks like a
> single price of coax running the full length feeding each driven
> element and then a choke balun at the end. Any thoughts?
>
> 73 Billy
> GM0OBX
>
>

33719. Re: [ham-antennas] Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 20:20:11 UTC
From: Billy McFarland
Topic: 33704 Message: 33719

Hi,

That would be good. If you could email me info / sizes etc any drawings of this antenna to build one that would be great.

Email address is:
gm0obx@...

73 Billy
GM0OBX

33720. AW: [ham-antennas] Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-24 20:27:36 UTC
From: siegfried jackstien
Topic: 33704 Message: 33720

Why not upload building instructions and some pictures to file-area of this group?!?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 24. August 2014 18:04
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Multiband moxon design
>
>
>
> Hi,
> Hi,
> I build 10 elements 5 band MOXON antena it work very well in
> 10/12/15/17/20 m band if you need any aditional info I can send to your e-
> mail.
> 73´s Ivan EA8YG // EE8YG
>
> (http://www.qrz.com/db/ea8yg)
>
> El 22/08/2014 9:04, Billy McFarland gm0obx@... [ham-antennas]
> escribió:
>
>
>
>
>
>
> Hello all,
>
> I was thinking of building a portable moxon for one of my friends. I have
> found this design on line.
>
> http://www.moxonantennaproject.com/TA3GO/TC3EC.htm
>
> I was just wondering if anyone knows how thieves fed. It looks like a
> single price of coax running the full length feeding each driven element
> and then a choke balun at the end. Any thoughts?
>
> 73 Billy
> GM0OBX
>

>
>
>

33721. Re: [ham-antennas] Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-25 11:24:11 UTC
From: IVAN
Topic: 33704 Message: 33721

Hi billy,
I send to your email info about.
73´s Ivan EA8YG // EE8YG

El 24/08/2014 21:20, Billy McFarland gm0obx@... [ham-antennas]
escribió:
>
> Hi,
>
> That would be good. If you could email me info / sizes etc any
> drawings of this antenna to build one that would be great.
>
> Email address is:
> gm0obx@...
>
>
>
> 73 Billy
> GM0OBX
>
>
> ---
> *From: * IVAN ea8yg@... [ham-antennas]
> <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] Multiband moxon design
> *Sent: * Sun, Aug 24, 2014 6:04:09 PM
>
> /Hi,
> Hi,
> I build 10 elements 5 band MOXON antena it work very well in
> 10/12/15/17/20 m band if you need any aditional info I can send to
> your e-mail.
> 73´s Ivan EA8YG // EE8YG
>
> (http://www.qrz.com/db/ea8yg)
> /
> El 22/08/2014 9:04, Billy McFarland gm0obx@... [ham-antennas]
> escribió:
>>
>>
>> Hello all,
>>
>> I was thinking of building a portable moxon for one of my friends. I
>> have found this design on line.

>>
>> http://www.moxonantennaproject.com/TA3GO/TC3EC.htm
>>
>> I was just wondering if anyone knows how thieves fed. It looks like a
>> single price of coax running the full length feeding each driven
>> element and then a choke balun at the end. Any thoughts?
>>
>> 73 Billy
>> GM0OBX
>>
>
>

33722. Re: Multiband moxon design

Yahoo group: ham-antennas (2014)
Date: 2014-08-26 01:04:49 UTC
From: A
Topic: 33704 Message: 33722

Geoff and all, RG316 is on a good Sale at BC Micro , me and a Ham Buddy ordered a lot , so get on it , i just wound a 1:1 Unun for a Vertical the intructions are in the LDG V931 Group here on yahoo in the Files section with pics and all , I plan to build a Moxon as well , Good Luck , 73s, AJ W5HEH

33723. Re: [ham-antennas] How Do You Search Yahoo Groups

Yahoo group: ham-antennas (2014)
Date: 2014-08-26 09:03:32 UTC
From: yl2qn.andy@...
Topic: 33707 Message: 33723

Hello,
Yahoo search, filtering and other site functionality is not working well. I'm use Google to search information inside Yahoo groups.

For example: https://www.google.lv/?gws_rd=cr,ssl&ei=5Er8U_i7AeGo4gTh-4GIDA#q=%22How+Do+You+Search+Yahoo+Groups%22+site%3Agroups.yahoo.com%2Fneo%2Fgroups%2Fham-antennas%2F https://www.google.lv/?gws_rd=cr,ssl&ei=5Er8U_i7AeGo4gTh-4GIDA#q=%22How+Do+You+Search+Yahoo+Groups%22+site%3Agroups.yahoo.com%2Fneo%2Fgroups%2Fham-antennas%2F

Regards,
Andy - YL2QN

33724. 1:1 ununs/ Chokes (From Moxon Discussion)

Yahoo group: ham-antennas (2014)
Date: 2014-08-26 13:50:46 UTC
From: Scott Myers
Topic: 33704 Message: 33724

Ah. 1:1 ununs on toroids. I've made a few. I too prefer the M17 family of coax for this purpose. Nothing like teflon and silver plated coax. Pricey, but never fails. You can make it once and forget about it. The basic design of that particular toroidal choke type used by G3TXQ was published by W1JR (J Reisert) in 1978 and later published more widely W2FMI (J Sevik). G3TXQ does a great job of showing choking values on various cores and wrap numbers on his website. Several companies sell chokes/ununs of this design wound on 2.4" type 31 or 43 cores.

I've landed on using RG303 myself for practical reasons. It will handle a full 1.5 gallon, even down on 80 & 160 and not burn out. I'm told the design has been tested to 5 KW, but I can't confirm that. I will admit I've not tested RG316 at power, but it is so small, I'm a bit nervous about trying it. I can also solder/crimp N's & PL259's directly to RG303, but I don't know how one would with RG316. (Maybe there is a connector made to do this. I don't know.) The nice thing about putting connectors directly on the RG303 is that then I don't have to put the unun in a box at all if I don't want to. Just wrap it with some silicone tape and all is well. Makes for a more compact arrangement. But you can't go more than about a .8" radius on RG303. And of course, any of the M17 coax is quite stiff for its diameter. And of course, it's pricey. There's always downsides. Costs about $20 per unun, sans connectors; $7 toroid, $3 per foot on coax. I use about 3 feet on the core but start with 4+ feet due to the stiffness and not knowing exactly how long I want it's "tails".

Of course, you'd never get RG303 on the 1.4" core so if you want one that small, you'll be using the RG316 for sure. That stuff could certainly take a 0.5" radius.

Of course, bifilar wound is always a cheaper option but that definitely has to be in a box.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, August 24, 2014 1:49 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Multiband moxon design

I am considering a 6m Moxon and will be putting a 1:1 toroidal choke at the feed point. I don't like the air-wound coax choke idea that most use (if any) when they build these antennas.

Maybe make your balun with a FT140-61 toroid with 8 turns of RG316 and place it into a box, similar to how Steve (G3TXQ) makes his Cobweb balun box and attach your 3 driven elements to that (maintaining proper element separation of course).

On Friday, August 22, 2014, Billy McFarland gm0obx@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Hello all,

I was thinking of building a portable moxon for one of my friends. I have found this design on line.

http://www.moxonantennaproject.com/TA3GO/TC3EC.htm

I was just wondering if anyone knows how thieves fed. It looks like a single price of coax running the full length feeding each driven element and then a choke balun at the end. Any thoughts?

73 Billy
GM0OBX

--

Geoff, NW7GM
Seattle, WA
CN87tr

33725. Re: Cushcraft 6 Meter Beam seems a bit different from today's A50-3S

Yahoo group: ham-antennas (2014)
Date: 2014-08-26 16:04:42 UTC
From: myfamilydotcom@...
Topic: 33661 Message: 33725

UPDATE: I never heard from anybody who could locate the older manual for this antenna (called the A50-3, not A50-3S I believe now), however I have noticed that the big brother antenna called the A50-5S (with 5 elements) also has equidistant reflector, driven element and 1st director spacing. I assembled this 3 element model as if it were the first part of the 5 element model and tested that.

While experimenting with various lengths of driven element and gamma match settings, I have documented the settings now for a 1:1.0 match at 51.6 MHz and at that point I see a 2.6 MHz bandwidth (for VSWR of 2:1 I mean).

All the tuning and experimenting was fun, and somewhat similar to what the A50-5S manual woulld have suggested.

An interesting point was that the resonant bandwidth on the ground (i.e. reflector on ground, antenna pointing upward and resting on a 10' mast) was about 300 KHz higher than when in air horizontally with same settings.

Also, the Cushcraft element length settings are vastly different when switching between horizontal and vertical configurations (maybe because of capacitive coupling to the mast?) - I hadn't realized that.

Kevin

33726. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-08-26 23:13:31 UTC
From: mark castanon
Topic: 33726 Message: 33726

Hi - I'm using an Alpha Delta DX-Ultra fan dipole for SWL'ing. It's cut to favor the SW bands.
I now want to try and earn my Tech/General ham tickets at this late stage in the game, I'm 58 years old, and am now listening, and learning, to the ham bands only.
If anyone is familiar with the Alpha Delta, can I trim the wires on this antenna to receive the ham bands better or will there be not much of a difference 'receiving wise' ?
The apex of my antenna right now is only about 17' but I'm going to get it up to 35'.

33727. Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 03:34:46 UTC
From: k2dfc@...
Topic: 33726 Message: 33727

Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.

K2DFC

33728. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 03:43:51 UTC
From: mark castanon
Topic: 33726 Message: 33728

OK Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40 meters very strongly as the antenna is now but I'll have to rig up an additional vertical loop for 20 meters. These are the bands I'm interested in now -- Just waiting to get my license -- Thanks,
   Mark

On Tuesday, August 26, 2014 10:34 PM, "k2dfc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.

K2DFC

33729. Assembling an old AVQ-12 groundplane - testing finished

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 08:38:17 UTC
From: Michael Theiss
Topic: 33690 Message: 33729

Thanks to all of you who helped me to get my old AVQ-12 S assembled and tuned. With all the info, I needed about 1 1/2 hour to reach an SWR of abt 1.3 : 1 on all bands at cw - qrgs. I tested the performance of the antenna in several qso's on 20 m with USA East Coast and Middle West - by quick-switching between the AVQ and my 2x18 m doublet that you can see on qrz.com for LA5SAA.

The result of the tests is about what I expected, but wanted to confirm.
On my transmitting, the signal with the AVQ was always weaker (3 - 6 dB) than the doublet.
On my receiving, the AVQ gave about 6 dB more "white noise" than my doublet.

So, at present, the AVQ-12 does not give any benefit to me, and I have already removed it and stored it again in my car-port. At least my xyl is happy now.

73
Mick, LI5SAA / LA5SAA

> > > On 8/20/2014 12:02 PM, michael.theiss@...t [ham-antennas] wrote:
> > >
> > >
> > > Is there anybody in this Group who still has a manual (assembling
> > > instruction) for, or who still uses the first edition of the AVQ-12
> from
> > > the late 60th ?
> > > I need assembling details (length of the different pipes).
> > > Note: The manual that is available on the internett is for the
> > > latest edition and does NOT give the necessary answers.
> > > Even HyGain sent me an e-mail and told me that they do not have the
> > > necessary details any longer.
> > > For stability reasons (wind resistance), HyGain changed the lay-out
> > > many years ago.
> > > I know how it could be done w/o manual by "trying a nd testing" but
> > > this would be "hard work", because the GP is mounted on a 6 m high
> pipe.
> > > Best regards
> > > Mick, LI5SAA
Posted by: "siegfried jackstien" <siegfried.jackstien@...> Reply via web post•Reply to sender •Reply to group •Start a New Topic•Messages in this topic (14) Yahoo GroupsDid you know?Learn about editing tables within GroupsHAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
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Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com Visit Your Group

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.

33730. Re: Assembling an old AVQ-12 groundplane - testing finished

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 10:19:45 UTC
From: email4utoo@...
Topic: 33690 Message: 33730

Mick, Nice Cairn Terrier , How tall is your supports for the Doublet ? Thanks for Sharing your results , "AJ" , W5HEH

The closest i ever got near you is Denmark in '74 , and we thought our last winter was cold, hihi.

33731. Re: [ham-antennas] Re: Assembling an old AVQ-12 groundplane - testing finished

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 11:55:47 UTC
From: Michael Theiss
Topic: 33690 Message: 33731

Hi AJ.
Yes, we all are in love with XARA :-).
The mast in the center of the doublet is 35 feet high, the two ends are slooping down to about 15 feet.
The antenna works great an all bands from 10 to 30 m. Going to 40 m, things are not so good in DX, and DX on 80 m is difficult in normal condx. This is because the antenna is too low for DX on 80 (and 40).
However, such an antenna is a great compromise, and is the best I can put up here.
Yagi's require nowadays here a special permission from the authorities, and a "Yes" from all direct neighbours.
Have a nice day.
"Mick" LI5SAA

Onsdag 27. August 2014 12:19 CEST skrev "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com>:
    Mick, Nice Cairn Terrier , How tall is your supports for the Doublet ? Thanks for Sharing your results , "AJ" , W5HEH

The closest i ever got near you is Denmark in '74 , and we thought our last winter was cold, hihi.

33732. HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 11:58:03 UTC
From: gerry951@...
Topic: 33732 Message: 33732

I am currently using a G5RV 80 thru 6 mtrs. I live in a mobile home community and would like to try a vertical HF and there are so many choices and my wallet isn't very big on cost. I would appreciate any ideas. I have some room behind our home on the pad and also behind our shed. I thought about trying to get one of the old TV antenna's that you put up beside the house, but seems they are hard to find these days. Thanks in advance for all.
Gerry kd8rfo 73

33733. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 12:33:46 UTC
From: Mike Markowski
Topic: 33732 Message: 33733

Gerry,

A friend gave me a 4-band trap Hy-Gain14 AVQ (about 18' tall) that had been sitting unused behind his shed for decades. Another ham had given it to him. I used steel wool to clean it, replaced hardware, then borrowed an antenna analyzer to adjust it. A construction company was getting rid of unused galvanized mesh, so I bought 3 rolls of 100' x 3' (or maybe 3.5'?) from them at a great price, and used a blow torch to connect wire since you can't solder it. I unrolled them at 60 degrees from each other, crossing at their centers, for the ground plane.
The vertical is noticably noisier than my dipole, but I don't need a tuner and get out well. My second QSO from Pennsylvania was to Cambodia! I was running 100 W. I continue to make many State side and dx contacts so am happy with it. It isn't a tower mounted Yagi, but I'd recommend giving it a try if you have a few hundred bucks to spare. If less money than that is available, you might suspend a wire from a rope in a tree to wire radials on the ground. Just be sure to leave some distance from the trunk.

GL es 73,
Mike ab3ap

On Wed, Aug 27, 2014 at 7:58 AM, gerry951@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

> [...] I live in a mobile home community and would like to try a
> vertical HF and there are so many choices and my wallet isn't very big on
> cost. I would appreciate any ideas. [...]
>

33734. Re: HF Verticals>

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 14:09:21 UTC
From: Michael Theiss
Topic: 33734 Message: 33734

Gerry.
You may try to get hold in used windsurfing masts. At least here in Norway, people dont do windsurfing any more, but kiting is the big thing today.
It depends, of course, if you live near places where windsurfing was done. I announced my wish in the local newspaper, and got many masts for about 10 Dollars each.
You can put the masts into each other, and then you have a VERY STRONG construction running a thick wire along the mast combination as the radiator of a vertical.
73
Mick, LI5SAA

33735. RE: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 14:23:48 UTC
From: James M. Geidl
Topic: 33726 Message: 33735

Mark,

I am assuming you are going after your Technician licenses. If so, I don't think there is any of the 20M band you can work. You will need your General class license for 20M.

Jim, K6JMG

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, August 26, 2014 8:44 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re:

OK Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40 meters very strongly as the antenna is now but I'll have to rig up an additional vertical loop for 20 meters. These are the bands I'm interested in now -- Just waiting to get my license --
Thanks,
Mark

On Tuesday, August 26, 2014 10:34 PM, "k2dfc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.

K2DFC

33736. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 14:38:52 UTC
From: mark castanon
Topic: 33726 Message: 33736

Thanks Jim - I know that I can work the VHF bands with a Technician license but I don't have any VHF/UHF rigs or antennas for those bands as of yet. That's why I want to try and get my Tech and General ticket when I take my exam. I'm mainly interested in the HF bands and I've listened to other hams say that they passed both exams and got their General license. I'm going to give it a shot !
Mark

On Wednesday, August 27, 2014 9:23 AM, "'James M. Geidl' jim.geidl@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mark,

I am assuming you are going after your Technician licenses. If so, I don't think there is any of the 20M band you can work. You will need your General class license for 20M.

Jim,
K6JMG

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Sent: Tuesday, August 26, 2014 8:44 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re:

OK
Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40 meters very strongly as the antenna is now but I'll have to rig up an additional vertical loop for 20 meters. These are the bands I'm interested in now -- Just waiting to get my license --
Thanks,
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On Tuesday, August 26, 2014 10:34 PM, "k2dfc@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.

K2DFC

33737. RE: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 14:49:15 UTC
From: Scott Myers
Topic: 33732 Message: 33737

Gerry,

Two things to think about:

Ground plane

Attenuation from Aluminum siding in close proximity when ground mounting

Verticals require a ground plane. Forget about "no radial" verticals. You can't beat old man physics. I'd search hard from some TV tower and do a couple multiband tuned radials with cage dipole separators. Now if your trailer has a metal roof, that would be an awesome ground plane.

Mounting on the ground around all those aluminum skinned boxes doesn't sound like a recipe for good signal propagation. I have no experience with such a situation though, but I'm sure someone here has. Maybe it isn't as bad as I would think it is.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, August 27, 2014 7:58 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] HF Verticals

I am currently using a G5RV 80 thru 6 mtrs. I live in a mobile home community and would like to try a vertical HF and there are so many choices and my wallet isn't very big on cost. I would appreciate any ideas. I have some room behind our home on the pad and also behind our shed. I thought about trying to get one of the old TV antenna's that you put up beside the house, but seems they are hard to find these days. Thanks in advance for all.
Gerry kd8rfo 73

33738. Re: [ham-antennas] Re: Assembling an old AVQ-12 groundplane - testing finished

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 15:06:27 UTC
From: email4utoo@...
Topic: 33690 Message: 33738

Mick , good on height of Doublet supports, now on XARA, your Cairn Terrier, how do you pronounce the X ? like an H in English or Z, ? 73s, AJ W5HEH

33739. Re: [ham-antennas] Re: Assembling an old AVQ-12 groundplane - testing finished

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 15:28:46 UTC
From: email4utoo@...
Topic: 33690 Message: 33739

Mick, forgot , XARA what does that translate to ? :) AJ 73s

33740. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 15:51:17 UTC
From: James "Jim" M. Geidl
Topic: 33726 Message: 33740

U go for it. Lot of folks test back to back.

Jim

On August 27, 2014 7:38:52 AM PDT, "mark castanon mgcsat@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>Thanks Jim - I know that I can work the VHF bands with a Technician
>license but I don't have any VHF/UHF rigs or antennas for those bands
>as of yet. That's why I want to try and get my Tech and General ticket
>when I take my exam. I'm mainly interested in the HF bands and I've
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>General license. I'm going to give it a shot !
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>jim.geidl@... [ham-antennas]" <ham-antennas@yahoogroups.com>
>wrote:
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>Mark,
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>I am assuming you are going after your Technician
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> From: ham-antennas@yahoogroups.com
>[mailto:ham-antennas@yahoogroups.com]
>Sent: Tuesday, August 26, 2014
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>To: ham-antennas@yahoogroups.com
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>Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40
>meters

>very strongly as the antenna is now but I'll have to rig up an
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>vertical loop for 20 meters. These are the bands I'm interested in now
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>you want to listen to. For the ham bands that are close to the dipole
>frequencies it won't make much of a difference.
>
>K2DFC

James "Jim" M. Geidl

Sent from my pocket.

33741. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 15:53:35 UTC
From: mark castanon
Topic: 33726 Message: 33741

Thanks ! Gonna' give it a shot !

On Wednesday, August 27, 2014 10:51 AM, "'James 'Jim' M. Geidl' jim.geidl@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

U go for it. Lot of folks test back to back.

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James "Jim" M. Geidl

Sent from my pocket.

33742. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 17:53:12 UTC
From: Geoff NW7GM
Topic: 33726 Message: 33742

Even if you don't pass the General test, you will have some privliges on HF as a Tech. However, they will be in the CW portion of the 80, 40 and 15m bands. On 10m you would have some CW access from 28-28.3MHz and phone from 28.3-28.5MHz. Both of those segments would be limited to 200w PEP. I believe that the 200w limit would apply to the rest of the HF segments as well.. but, trust me, 200w would be plenty to work the world.

Good luck on your test.

On Wednesday, August 27, 2014, mark castanon mgcsat@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
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> Thanks ! Gonna' give it a shot !
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> On Wednesday, August 27, 2014 10:51 AM, "'James 'Jim' M. Geidl'
> jim.geidl@...
> <javascript:_e(%7B%7D,'cvml','jim.geidl@...');> [ham-antennas]"
> <ham-antennas@yahoogroups.com
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> Jim
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> Mark
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> *Sent:* Tuesday, August 26, 2014 8:44 PM
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> James "Jim" M. Geidl

>
> Sent from my pocket.
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33743. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 17:56:35 UTC
From: Billy McFarland
Topic: 33726 Message: 33743

I've worked the world on my 100w tx so 200w would be fine :)

73 Billy
GM0OBX

33744. Re: [ham-antennas] Re: Power and DX.

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 18:08:24 UTC
From: Kenneth G. Gordon
Topic: 33726 Message: 33744

On 27 Aug 2014 at 10:53, Geoff NW7GM geoff.nw7gm@... [ham-an
wrote:

> Even if you don't pass the General test, you will have some privliges on HF as a
> Tech. However, they will be in the CW portion of the 80, 40 and 15m bands. On
> 10m you would have some CW access from 28-28.3MHz and phone from 28.3-28.5MHz.
> Both of those segments would be limited to 200w PEP. I believe that the 200w
> limit would apply to the rest of the HF segments as well.. but, trust me, 200w
> would be plenty to work the world.

Ha!

I've worked 35 countries on 40 meters with an ex-military transmitter whose
INPUT power is 15 watts at maximum. Crystal controlled and feeding an
end-fed wire, too.

The AN/GRC-109. Look it up on Google.

I used its receiver too.

Ken W7EKB

33745. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 18:19:22 UTC
From: mark castanon
Topic: 33726 Message: 33745

Thanks Geoff - That's good to know but I have a question -
Even though I'm not licensed yet, can I still purchase a transceiver on-line or at a store ?
Will they ask me for my callsign, which I obviously don't have, so will that be a problem ?
I'm just listening now on an ICOM IC-R75. I know it's illegal to transmit without being licensed, but I wanted to know if a tranceivers' reception would be a little better than the rig I have now. I plan to spend in the $2500.00/$3000.00 range for my first rig.
Thanks,
  Mark

On Wednesday, August 27, 2014 12:53 PM, "Geoff NW7GM geoff.nw7gm@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Even if you don't pass the General test, you will have some privliges on HF as a Tech. However, they will be in the CW portion of the 80, 40 and 15m bands. On 10m you would have some CW access from 28-28.3MHz and phone from 28.3-28.5MHz. Both of those segments would be limited to 200w PEP. I believe that the 200w limit would apply to the rest of the HF segments as well.. but, trust me, 200w would be plenty to work the world.

Good luck on your test.

On Wednesday, August 27, 2014, mark castanon mgcsat@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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>Thanks ! Gonna' give it a shot !
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>On Wednesday, August 27, 2014 10:51 AM, "'James 'Jim' M. Geidl' jim.geidl@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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--

Geoff, NW7GM
Seattle, WA
CN87tr

33746. Re: [ham-antennas] Re: Power and DX.

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 18:21:11 UTC
From: mark castanon
Topic: 33726 Message: 33746

Thanks Ken for the info - Will look it up !
Mark

On Wednesday, August 27, 2014 1:08 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On 27 Aug 2014 at 10:53, Geoff NW7GM geoff.nw7gm@... [ham-an
wrote:

> Even if you don't pass the General test, you will have some privliges on HF as a
> Tech. However, they will be in the CW portion of the 80, 40 and 15m bands. On
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end-fed wire, too.

The AN/GRC-109. Look it up on Google.

I used its receiver too.

Ken W7EKB

33747. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 18:36:18 UTC
From: Bill Collister
Topic: 33726 Message: 33747

Mark,
No dealer should turn you away from the almighty dollar. I appreciate your intentions. When I was a "lowly technician" I purchased a Yaesu FT-100D, no cheap rig. My wife and I decided that if nothing else, an investment in my future hobby growth was positive. I'm now an Extra licensee, teach and run a VE team. Congrats and good luck. Also, testing once and not passing is not a sin, just go back again. Try to be as prepared as you can when you go test, don't take it lightly. It's a great life!

Bill
N7MOG

On 8/27/2014 12:19 PM, mark castanon mgcsat@... [ham-antennas] wrote:
> Thanks Geoff - That's good to know but I have a question -
> Even though I'm not licensed yet, can I still purchase a transceiver
> on-line or at a store ?
> Will they ask me for my callsign, which I obviously don't have, so
> will that be a problem ?
> I'm just listening now on an ICOM IC-R75. I know it's illegal to
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> *From:* ham-antennas@yahoogroups.com
> [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Tuesday, August 26, 2014 8:44 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Re:
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> Geoff, NW7GM
> Seattle, WA
> CN87tr
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>

33748. AW: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 18:48:47 UTC
From: siegfried jackstien
Topic: 33726 Message: 33748

If you wanna spend such a high amount of bucks ... then buy a used rig and for the rest ... invest in some antennas and other things needed (tuner, poles, swr metre, antenna analyzer etc etc)

Greetz

Sigi

Dg9bfc

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 27. August 2014 18:19
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re:
>
>
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> Thanks Geoff - That's good to know but I have a question -
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> $2500.00/$3000.00 range for my first rig.
> Thanks,
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> Even if you don't pass the General test, you will have some privliges on
> HF as a Tech. However, they will be in the CW portion of the 80, 40 and
> 15m bands. On 10m you would have some CW access from 28-28.3MHz and phone
> from 28.3-28.5MHz. Both of those segments would be limited to 200w PEP. I
> believe that the 200w limit would apply to the rest of the HF segments as
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> Good luck on your test.

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> Thanks ! Gonna' give it a shot !
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> I am assuming you are going after your Technician licenses.
> If so, I don't think there is any of the 20M band you can work. You will
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> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> Sent: Tuesday, August 26, 2014 8:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re:
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> OK Thanks K2DFC -- That's kind of what I thought. I can
> receive 80 & 40 meters very strongly as the antenna is now but I'll have
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33749. Re: AW: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:05:47 UTC
From: Robert Cavanaugh
Topic: 33726 Message: 33749

Mark,
Getting multiple classes on the same test day is not weird and also completely do-able. I had a Novice license in the 1970's that I let lapse when I was in college and never got back to it. Recently I got back into amateur radio and passed my Technician, General, and Amateur Extra tests at the same examination. If you try and don't make it, no harm, no foul, try again. If you do make it, you save multiple testing fees :-)

HRO was happy to sell me my Yaesu FT-897 before I received my cert letter. The hams running the store made it VERY clear that I could only listen in until I was licensed, but it is not regulated like a gun store if that is what you are thinking.

GO for it!

73,
Bob Cavanaugh, AG6YK

33750. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:32:29 UTC
From: Geoff NW7GM
Topic: 33726 Message: 33750

Not passing certainly isn't a sin... Took me two times to pass my General, then I took a class to get my Extra ticket. Glad there isn't any more testing for me. ;)

On Wednesday, August 27, 2014, Bill Collister n7mog@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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> Mark,
> No dealer should turn you away from the almighty dollar. I appreciate
> your intentions. When I was a "lowly technician" I purchased a Yaesu
> FT-100D, no cheap rig. My wife and I decided that if nothing else, an
> investment in my future hobby growth was positive. I'm now an Extra
> licensee, teach and run a VE team. Congrats and good luck. Also, testing
> once and not passing is not a sin, just go back again. Try to be as
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> Even though I'm not licensed yet, can I still purchase a transceiver
> on-line or at a store ?
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> that be a problem ?
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> without being licensed, but I wanted to know if a tranceivers' reception
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Geoff, NW7GM
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33751. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:31:06 UTC
From: mark castanon
Topic: 33726 Message: 33751

Thanks Bill, I appreciate your response -- There's so much to learn I just wish that I'd started this 30 years ago !

On Wednesday, August 27, 2014 1:36 PM, "Bill Collister n7mog@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mark,
No dealer should turn you away from the almighty dollar. I appreciate your intentions. When I was a "lowly technician" I purchased a Yaesu FT-100D, no cheap rig. My wife and I decided that if nothing else, an investment in my future hobby growth was positive. I'm now an Extra licensee, teach and run a VE team. Congrats and good luck. Also, testing once and not passing is not a sin, just go back again. Try to be as prepared as you can when you go test, don't take it lightly. It's a great life!

Bill
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>Geoff, NW7GM
>Seattle, WA
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33752. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:35:32 UTC
From: Timothy-Allen Albertson
Topic: 33726 Message: 33752

i passed the General twice--once when i was first licensed and passed the
Tech but when 5WPM
Code was required--and once again when after code was eliminated

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Wed, Aug 27, 2014 at 2:32 PM, Geoff NW7GM geoff.nw7gm@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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33753. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:35:34 UTC
From: Timothy-Allen Albertson
Topic: 33726 Message: 33753

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>> bands you want to listen to. For the ham bands that are close to the dipole
>> frequencies it won't make much of a difference.
>>
>> K2DFC
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>>
>> James "Jim" M. Geidl
>>
>> Sent from my pocket.
>>
>>
>>

```
>>
>> --
>> Geoff, NW7GM
>> Seattle, WA
>> CN87tr
>>
>>
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>>
>>
>
> --
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>
>
>
```

33754. Re: [ham-antennas] Re: Power and DX.

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:36:51 UTC
From: Geoff NW7GM
Topic: 33726 Message: 33754

Oh, I know it's possible to even work the world on mW, was just giving the
info about the Tech privilges available on HF.

On Wednesday, August 27, 2014, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 27 Aug 2014 at 10:53, Geoff NW7GM geoff.nw7gm@...
> <javascript:_e(%7B%7D,'cvml','geoff.nw7gm@...');> [ham-an
> wrote:
>
> > Even if you don't pass the General test, you will have some privliges on
> HF as a
> > Tech. However, they will be in the CW portion of the 80, 40 and 15m
> bands. On
> > 10m you would have some CW access from 28-28.3MHz and phone from
> 28.3-28.5MHz.
> > Both of those segments would be limited to 200w PEP. I believe that the
> 200w
> > limit would apply to the rest of the HF segments as well.. but, trust
> me, 200w
> > would be plenty to work the world.
>
> Ha!
>
> I've worked 35 countries on 40 meters with an ex-military transmitter
> whose
> INPUT power is 15 watts at maximum. Crystal controlled and feeding an
> end-fed wire, too.
>
> The AN/GRC-109. Look it up on Google.
>
> I used its receiver too.
>
> Ken W7EKB
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

33755. Re: AW: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:38:20 UTC
From: mark castanon
Topic: 33726 Message: 33755

Thanks Bob -- This is good to hear !
Mark

On Wednesday, August 27, 2014 2:06 PM, "Robert Cavanaugh osianfion@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Mark,
Getting multiple classes on the same test day is not weird and also completely do-able. I had a Novice license in the 1970's that I let lapse when I was in college and never got back to it. Recently I got back into amateur radio and passed my Technician, General, and Amateur Extra tests at the same examination. If you try and don't make it, no harm, no foul, try again. If you do make it, you save multiple testing fees :-)

HRO was happy to sell me my Yaesu FT-897 before I received my cert letter. The hams running the store made it VERY clear that I could only listen in until I was licensed, but it is not regulated like a gun store if that is what you are thinking.

GO for it!

73,
Bob Cavanaugh, AG6YK

33756. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:52:14 UTC
From: Don Sanders
Topic: 33732 Message: 33756

Ground mounting is difficult with all the metal around you.
Do you have any tall trees near you? Can you afford a 43 foot telescoping pole?

I use a 88 ft doublet , mounted as an inverted "L" with the center feed point at the top of a 40 foot bamboo pole and the lower 14 foot horizontal , above head height. The top 44 ft slopes down to
another pole about 20 foot tall. It is fed with 300 ohm parallel line, 450 line works well also, at the apex. The feedline ends in a 1 to 1 balun and then short coax into the station to the LDG pro1 tuner.
I work 80 to 10 with good results.
It would help to know your situation with any antenna supports.

Don HC4/W4BWS

On Wed, Aug 27, 2014 at 6:58 AM, gerry951@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am currently using a G5RV 80 thru 6 mtrs. I live in a mobile home
> community and would like to try a vertical HF and there are so many choices
> and my wallet isn't very big on cost. I would appreciate any ideas. I have
> some room behind our home on the pad and also behind our shed. I thought
> about trying to get one of the old TV antenna's that you put up beside the
> house, but seems they are hard to find these days. Thanks in advance for
> all. Gerry kd8rfo 73
>
>
>

--
Dr. Don W4BWS

33757. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:56:17 UTC
From: Keith Heimbold
Topic: 33726 Message: 33757

The tests are pretty basic. If you have an iPhone download the three tests and do practice exams for a couple weeks and you will pass them all. I studied on the Internet and used those apps for practice exams and three weeks later had all three licenses. Just beware that some of the old timers don't like how much they have dumbed down the testing process so be ready for that.

Once you get on the bands, keep listening to QSOs and when you think you understand the exchange well enough then go for it. Remember that there is a DX Code of Conduct so read through that. Try your best to abide by it and you will do better than half the hams who are on the bands. General courtesy can be lacking and some old timers like to blame newer hams but if you listen long enough the offenders are in both groups.

In terms of your fan dipole, I would find a local ham in your area that has an antenna analyzer. Simple antenna theory should give you an understanding whether you will have to trim or augment the different dipoles.

Good luck and have fun!!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Aug 27, 2014, at 8:56 AM, "mark castanon mgcsat@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Thanks ! Gonna' give it a shot !
>
>
> On Wednesday, August 27, 2014 10:51 AM, "'James 'Jim' M. Geidl' jim.geidl@spinochio.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> U go for it. Lot of folks test back to back.
>
> Jim
>
> On August 27, 2014 7:38:52 AM PDT, "mark castanon mgcsat@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> Thanks Jim - I know that I can work the VHF bands with a Technician license but I don't have any VHF/UHF rigs or antennas for those bands as of yet. That's why I want to try and get my Tech and General ticket when I take my exam. I'm mainly interested in the HF bands and I've listened to other hams say that they passed both exams and got their General license. I'm going to give it a shot !
> Mark

>
>
> On Wednesday, August 27, 2014 9:23 AM, "'James M. Geidl' jim.geidl@spinochio.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Mark,
>
> I am assuming you are going after your Technician licenses. If so, I don't think there is any of the 20M band you can work. You will need your General class license for 20M.
>
> Jim, K6JMG
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Tuesday, August 26, 2014 8:44 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re:
>
> OK Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40 meters very strongly as the antenna is now but I'll have to rig up an additional vertical loop for 20 meters. These are the bands I'm interested in now -- Just waiting to get my license --
> Thanks,
> Mark
>
>
> On Tuesday, August 26, 2014 10:34 PM, "k2dfc@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.
>
> K2DFC
>
>
>
>
>
>
>
> James "Jim" M. Geidl
>
> Sent from my pocket.
>
>
>

33758. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 19:58:30 UTC
From: Original Woodchuck
Topic: 33732 Message: 33758

On Wed, Aug 27, 2014 at 10:49:15AM -0400, 'Scott Myers' ac8de@... [ham-antennas] wrote:
> Gerry,
>
> Verticals require a ground plane. Forget about "no radial" verticals. You can't beat old man physics. I'd search hard from some TV tower and do a couple multiband tuned radials with cage dipole separators. Now if your trailer has a metal roof, that would be an awesome ground plane.

Scott,

In all fairness, some of the verticals that claim "no radials" are in fact OK: they are vertical dipoles, center fed, (or some other type not requiring a ground), which is just fine.

But in general, yeah, I'm with you. There are some really amazing antennas that exist only in advertisements.

I've got a nice barn with a metal roof, but, dang it all, it runs just across a narrow lane from the power line. It *might* be far enough away to put up a 20m 1/4 wave, but it would be testing fate.

73 Dave AB3NR

33759. Re: [ham-antennas] Re:

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 20:01:28 UTC
From: mark castanon
Topic: 33726 Message: 33759

Thanks Keith - appreciate your reply !

On Wednesday, August 27, 2014 2:57 PM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

The tests are pretty basic. If you have an iPhone download the three tests and do practice exams for a couple weeks and you will pass them all. I studied on the Internet and used those apps for practice exams and three weeks later had all three licenses. Just beware that some of the old timers don't like how much they have dumbed down the testing process so be ready for that.

Once you get on the bands, keep listening to QSOs and when you think you understand the exchange well enough then go for it. Remember that there is a DX Code of Conduct so read through that. Try your best to abide by it and you will do better than half the hams who are on the bands. General courtesy can be lacking and some old timers like to blame newer hams but if you listen long enough the offenders are in both groups.

In terms of your fan dipole, I would find a local ham in your area that has an antenna analyzer. Simple antenna theory should give you an understanding whether you will have to trim or augment the different dipoles.

Good luck and have fun!!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Aug 27, 2014, at 8:56 AM, "mark castanon mgcsat@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>Thanks ! Gonna' give it a shot !
>
>
>
>On Wednesday, August 27, 2014 10:51 AM, "'James 'Jim' M. Geidl' jim.geidl@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>U go for it. Lot of folks test back to back.
>
>Jim
>
>
>On August 27, 2014 7:38:52 AM PDT, "mark castanon mgcsat@... [ham-antennas]"

<ham-antennas@yahoogroups.com> wrote:
>Thanks Jim - I know that I can work the VHF bands with a Technician license but I don't have any VHF/UHF rigs or antennas for those bands as of yet. That's why I want to try and get my Tech and General ticket when I take my exam. I'm mainly interested in the HF bands and I've listened to other hams say that they passed both exams and got their General license. I'm going to give it a shot !
>>Mark
>>
>>
>>
>>
>>On Wednesday, August 27, 2014 9:23 AM, "'James M. Geidl' jim.geidl@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>>
>>
>>
>>
>>Mark,
>>
>>I am assuming you are going after your Technician
licenses. If so, I don't think there is any of the 20M band you can
work. You will need your General class license for
20M.
>>
>>Jim,
K6JMG
>>_____
>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>Sent: Tuesday, August 26, 2014
8:44 PM
>>To: ham-antennas@yahoogroups.com
>>Subject: Re:
[ham-antennas] Re:
>>
>>
>>OK
Thanks K2DFC -- That's kind of what I thought. I can receive 80 & 40 meters
very strongly as the antenna is now but I'll have to rig up an additional
vertical loop for 20 meters. These are the bands I'm interested in now -- Just
waiting to get my license --
>>Thanks,
>>   Mark
>>
>>
>>
>>
>>On Tuesday, August 26, 2014 10:34 PM,
"k2dfc@... [ham-antennas]" <ham-antennas@yahoogroups.com>
wrote:
>>
>>

>>
>>
>>Depends on what bands the dipole is designed for now. And what ham bands you want to listen to. For the ham bands that are close to the dipole frequencies it won't make much of a difference.
>>
>>K2DFC
>>
>>
>>
>>
>>
>
>James "Jim" M. Geidl
>
>Sent from my pocket.
>
>

33760. RE: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 20:49:42 UTC
From: Scott Myers
Topic: 33732 Message: 33760

Have that power line moved! Nothing like a vertical on a metal roof. ;-)

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, August 27, 2014 3:59 PM
To: 'Scott Myers' ac8de@... [ham-antennas]
Subject: Re: [ham-antennas] HF Verticals

On Wed, Aug 27, 2014 at 10:49:15AM -0400, 'Scott Myers' ac8de@...
[ham-antennas] wrote:
> Gerry,
>
> Verticals require a ground plane. Forget about "no radial" verticals. You
can't beat old man physics. I'd search hard from some TV tower and do a
couple multiband tuned radials with cage dipole separators. Now if your
trailer has a metal roof, that would be an awesome ground plane.

Scott,

In all fairness, some of the verticals that claim "no radials" are in
fact OK: they are vertical dipoles, center fed, (or some other type
not requiring a ground), which is just fine.

But in general, yeah, I'm with you. There are some really amazing
antennas that exist only in advertisements.

I've got a nice barn with a metal roof, but, dang it all, it runs
just across a narrow lane from the power line. It *might* be far enough
away to put up a 20m 1/4 wave, but it would be testing fate.

73 Dave AB3NR

33761. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 21:47:51 UTC
From: Alex Netherton
Topic: 33732 Message: 33761

DX Engineering has a Hustler 5BTV for $190. Works great from what I hear.

73

Alex Netherton
http://blueridgediscovery.org
Amateur Radio call KC4BO (1979)

On Wed, Aug 27, 2014 at 4:49 PM, 'Scott Myers' ac8de@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Have that power line moved! Nothing like a vertical on a metal roof. ;-)
>
>
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Wednesday, August 27, 2014 3:59 PM
> *To:* 'Scott Myers' ac8de@... [ham-antennas]
> *Subject:* Re: [ham-antennas] HF Verticals
>
>
>
>
>
> On Wed, Aug 27, 2014 at 10:49:15AM -0400, 'Scott Myers'
> ac8de@... [ham-antennas] wrote:
> > Gerry,
> >
> > Verticals require a ground plane. Forget about "no radial" verticals.
> You can't beat old man physics. I'd search hard from some TV tower and do a
> couple multiband tuned radials with cage dipole separators. Now if your
> trailer has a metal roof, that would be an awesome ground plane.
>
> Scott,
>
> In all fairness, some of the verticals that claim "no radials" are in
> fact OK: they are vertical dipoles, center fed, (or some other type
> not requiring a ground), which is just fine.
>

> But in general, yeah, I'm with you. There are some really amazing
> antennas that exist only in advertisements.
>
> I've got a nice barn with a metal roof, but, dang it all, it runs
> just across a narrow lane from the power line. It *might* be far enough
> away to put up a 20m 1/4 wave, but it would be testing fate.
>
> 73 Dave AB3NR
>
>
>

33762. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 22:45:48 UTC
From: farrerfolks@...
Topic: 33732 Message: 33762

An additional note on vertical antennas and specifically the OCF vertical dipole. Look up my write up in the files. I have found that the 80 M OCF vertical dipole is quieter than the full size 1/4 wave vertical 500 feet away in the same 40 acre parcel. No power lines, everything on the property from the house at one corner of the property is underground. Not sure why it is quieter as the 80 M is mostly vertically polarized like the 1/4 wave, but a S unit or more many times switching back and forth. The beauty of this antenna is that with the tuning coil I can tune it to 7 MHz where it is now mostly horizontally polarized and is just as quiet as my SteppIR dipole. Just some thoughts.

Mel, K6KBE

33763. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-27 23:06:30 UTC
From: Raymond Tompkins
Topic: 33732 Message: 33763

6 - 80 METER VERTICAL HF BASE ANTENNA (JTV680) REASONABLE PRICE + SHIPPING
as seen on eBay. Anyone have experience with or knowledge about this antenna?

TU es 73, Raymond (KQ6X)

On Wednesday, August 27, 2014 3:45 PM, "farrerfolks@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

An additional note on vertical antennas and specifically the OCF vertical dipole. Look up my write up in the files. I have found that the 80 M OCF vertical dipole is quieter than the full size 1/4 wave vertical 500 feet away in the same 40 acre parcel. No power lines, everything on the property from the house at one corner of the property is underground. Not sure why it is quieter as the 80 M is mostly vertically polarized like the 1/4 wave, but a S unit or more many times switching back and forth. The beauty of this antenna is that with the tuning coil I can tune it to 7 MHz where it is now mostly horizontally polarized and is just as quiet as my SteppIR dipole. Just some thoughts.

Mel, K6KBE

33764. Re: [ham-antennas] Re: Assembling an old AVQ-12 groundplane - testing finished>

Yahoo group: ham-antennas (2014)
Date: 2014-08-28 00:50:34 UTC
From: Michael Theiss
Topic: 33764 Message: 33764

AJ, I think we pronounce the X like you in the USA, that would be something like "Ksahrah" :-). By the way, all bands are almost dead here this early morning (3 am local time). We have a high K-index which is very bad for condx from/to Norway.So Xara and me get some more sleep. 73 es GN.
Mick, LI5SAA

33765. Re: [ham-antennas] Re: Assembling an old AVQ-12 groundplane - testing finished>

Yahoo group: ham-antennas (2014)
Date: 2014-08-28 01:06:21 UTC
From: Michael Theiss
Topic: 33764 Message: 33765

I do not think there is any translation for Xara, AJ. A popular designing software has the name Xara. However, I gave her this name because I have romantic memories to the town "La Xara" at the Costa Blanca in Spain, where I was for some weeks when I was 19 years old.
One never forgets the "first time".
My XYL does not know anything about that, and she really does not need not know ;-)
Mick

33766. Re: [ham-antennas] Re: (WHAT IS THE SUBJECT OF THIS CONVERSATION?)

Yahoo group: ham-antennas (2014)
Date: 2014-08-28 03:22:19 UTC
From: Adrian Flynn
Topic: 33766 Message: 33766

Re: (WHAT IS THE SUBJECT OF THIS CONVERSATION?)
Without a subject I keep finding it in the "spam" folder!

On Tue, Aug 26, 2014 at 11:34 PM, k2dfc@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Depends on what bands the dipole is designed for now. And what ham bands
> you want to listen to. For the ham bands that are close to the dipole
> frequencies it won't make much of a difference.
>
> K2DFC
>
>

33767. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-08-28 12:09:58 UTC
From: Gerald Place
Topic: 33732 Message: 33767

My roof is shingled. the pine tree that I have my G5 up in is about 30 feet tall. and the leads are I think 52 feet across which we have up in adjacent pine trees. I've been looking for an old TV antenna tower and could possibly set that in concrete in the middle of the back yard or on the remainder of the the concrete pad the house sits on or behind the shed which is separate from the house but next to the house. I believe I have approximately 50 feet from the back of the house to the pine tree so I might need shorter radials but would need more of them, if that makes any sense. I found out last night that my friend's neighbor just recently sold their old tv tower that was next to their home. Oh well, I'll keep looking. Thanks all. Gerry kd8rfo 73

On Wednesday, August 27, 2014 5:48 PM, "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

DX Engineering has a Hustler 5BTV for $190. Works great from what I hear.

73

Alex Netherton
http://blueridgediscovery.org/
Amateur Radio call KC4BO (1979)

On Wed, Aug 27, 2014 at 4:49 PM, 'Scott Myers' ac8de@ameritech.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>Have that power line moved! Nothing like a vertical on a metal roof. ;-)
>
>Scott AC8DE
>
>From:ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>Sent: Wednesday, August 27, 2014 3:59 PM
>To: 'Scott Myers' ac8de@... [ham-antennas]
>Subject: Re: [ham-antennas] HF Verticals
>
>
>On Wed, Aug 27, 2014 at 10:49:15AM -0400, 'Scott Myers' ac8de@... [ham-antennas] wrote:
>> Gerry,
>>
>> Verticals require a ground plane. Forget about "no radial" verticals. You can't beat old man physics. I'd search hard from some TV tower and do a couple multiband tuned radials with cage dipole separators. Now if your trailer has a metal roof, that would be an awesome ground plane.
>
>Scott,
>
>In all fairness, some of the verticals that claim "no radials" are in

>fact OK: they are vertical dipoles, center fed, (or some other type
>not requiring a ground), which is just fine.
>
>But in general, yeah, I'm with you. There are some really amazing
>antennas that exist only in advertisements.
>
>I've got a nice barn with a metal roof, but, dang it all, it runs
>just across a narrow lane from the power line. It *might* be far enough
>away to put up a 20m 1/4 wave, but it would be testing fate.
>
>73 Dave AB3NR

33768. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-08-31 23:53:38 UTC
From: mark castanon
Topic: 33768 Message: 33768

Hi - While I'm studying to earn my Ham license, I'm listening now with an inverted V fan dipole about 17' high at the apex. I'm going to raise it twice as high -- about 35'.
Will I notice much of a difference in reception as far as signal strength ?
I know that height does make a difference when transmitting but until I can legally operate, I just wanted to know.
I listen mostly to 40 and 80 meters and on this small city lot, 35' is about as high as I can go .
Thanks,
Mark

33769. Re: [ham-antennas] Antenna height on receiving.

Yahoo group: ham-antennas (2014)
Date: 2014-08-31 23:59:15 UTC
From: Kenneth G. Gordon
Topic: 33768 Message: 33769

On 31 Aug 2014 at 16:53, mark castanon mgcsat@... [ham-anten
wrote:

> Doubling the height. Will I notice much of a difference in reception as
> far as signal strength ?

Yes. A few dB, at least, depending on band/frequency.

Ken W7EKB

33770. Re: [ham-antennas] Antenna height on receiving.

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 00:01:19 UTC
From: mark castanon
Topic: 33768 Message: 33770

OK - Thanks Ken !

On Sunday, August 31, 2014 6:59 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On 31 Aug 2014 at 16:53, mark castanon mgcsat@... [ham-anten
wrote:

> Doubling the height. Will I notice much of a difference in reception as
> far as signal strength ?

Yes. A few dB, at least, depending on band/frequency.

Ken W7EKB

33771. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 07:09:16 UTC
From: Andy
Topic: 33768 Message: 33771

Signal strength on receiving is fairly unimportant on those frequencies. External noise sources dominate, so even if the signal were quite a bit stronger or weaker, it should not make any difference in terms of reception.

On the other hand, getting the antenna away from sources of noise, that can help.

Andy

33772. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 12:16:01 UTC
From: mark castanon
Topic: 33768 Message: 33772

Thanks Andy -- Hopefully by raising my antenna twice as high, I will get it away from noise sources -
Mark

On Monday, September 1, 2014 2:09 AM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Signal strength on receiving is fairly unimportant on those frequencies. External noise sources dominate, so even if the signal were quite a bit stronger or weaker, it should not make any difference in terms of reception.

On the other hand, getting the antenna away from sources of noise, that can help.

Andy

33773. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 12:58:35 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 33773

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

33774. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 13:44:16 UTC
From: email4utoo@...
Topic: 33768 Message: 33774

Saw or read online to attach a long heavy copper wire from Ground rod laid on ground around your house cuts noise, i have not seen any data or tried this yet , from Old timers . 73s, AJ W5HEH

33775. Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 14:23:37 UTC
From: Keith Heimbold
Topic: 33775 Message: 33775

First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.

Second question, I am having significant issues with tuning my elevated 5btv at my rental home as I am very limited in term of laying down radials.

Some history, I had this antenna mounted in similar fashion, elevated with limited radials and it was tuned perfectly. I assembled exactly the same way as it was and it marked it the same with a sharpie and now everything is wide off the mark mostly much higher above the desired band for example on 20m it is at 1.6:1 at 14.900 MHz. All other bands are widely off or no where near 2:1. I wonder if the antenna was damaged due to the move. The only other difference in addition to moving the antenna was that I added the DX engineering U239 add on feature so I could connect coax directly. I have also tried two different lines of coax and added new batteries to my mfj259b to make sure it was not the culprit of giving false info.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

33776. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 14:22:37 UTC
From: mark castanon
Topic: 33768 Message: 33776

Thanks AJ - I'll read up on that !

On Monday, September 1, 2014 8:44 AM, "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Saw or read online to attach a long heavy copper wire from Ground rod laid on ground around your house cuts noise, i have not seen any data or tried this yet , from Old timers . 73s, AJ W5HEH

33777. Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 16:54:02 UTC
From: schwartzj22@...
Topic: 33777 Message: 33777

To all 4nec2 users,

If I run through the procedure below with 3.58 MHz as the chosen frequency (as seen in the Far Field Pattern results) I will get one value of impedance in the Frequency sweep for 24.917 MHz. If I repeat the procedure but the chosen frequency is now 24.917, I will get a different value for impedance at 24.917 MHz in the Frequency sweep. This shouldn't be.

1) Open file
2) Edit-Input (.nec) file
3) Calculate nec-output data
4) Far Field Pattern, Generate
5) Frequency Sweep, Generate

The antenna is a simple wire antenna-88 foot doublet.

What am I doing wrong?

Any help is appreciated,

Joel - N3GSE

33778. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 18:23:51 UTC
From: Jim Innis
Topic: 33775 Message: 33778

I have a Gap Titan DX, and it has performed flawlessly for me since 1999. It's the only antenna I have for HF. I run 100 watts max, and have worked South Africa, Tasmania, and all the other continents with this antenna. Have it mounted in the air about 10 feet on an old TV mast.

Jim K5SP

On 9/1/2014 9:23 AM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>
> First, I have been considering either purchasing an Gap Eagle DX or a
> Hy Gain AV640. I was wondering if anyone in the group has owned both
> and what their experiences are with either, and or the benefits over
> other verticals for either one.
>
> Second question, I am having significant issues with tuning my
> elevated 5btv at my rental home as I am very limited in term of laying
> down radials.
>
> Some history, I had this antenna mounted in similar fashion, elevated
> with limited radials and it was tuned perfectly. I assembled exactly
> the same way as it was and it marked it the same with a sharpie and
> now everything is wide off the mark mostly much higher above the
> desired band for example on 20m it is at 1.6:1 at 14.900 MHz. All
> other bands are widely off or no where near 2:1. I wonder if the
> antenna was damaged due to the move. The only other difference in
> addition to moving the antenna was that I added the DX engineering
> U239 add on feature so I could connect coax directly. I have also
> tried two different lines of coax and added new batteries to my
> mfj259b to make sure it was not the culprit of giving false info.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

33779. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 18:37:22 UTC
From: Alex Netherton
Topic: 33775 Message: 33779

I am using an Eagle One http://www.w8afx.com/ that I got after seeing it at the Shelby Hamfest last year. I now have it mounted on the awning on my back porch, and the awning seems to do OK as a ground plane; worked Mexico and Venezuela, plus Tortuga Island (Arrr!) on 15 and 20. I cheat sometimes and use an old SB-200, and often, it is just too easy... Tuner is an old Heathkit SA-2040.

However, I suggest you shine up a ground rod and drive it and a couple of others in parallel at least 4 feet at the base of the vertical. Remember also that changing locations can change everything about an antenna; for us, it is an inexact science, more of an art.

Next, start tuning the traps and sections. Your translocation has changed everything. Happy antenna work!

73
On 9/1/2014 2:24:02 PM, Jim Innis jinnis@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I have a Gap Titan DX, and it has performed flawlessly for me since 1999. It's the only antenna I have for HF. I run 100 watts max, and have worked South Africa, Tasmania, and all the other continents with this antenna. Have it mounted in the air about 10 feet on an old TV mast.

Jim K5SP

On 9/1/2014 9:23 AM, Keith Heimbold ag6az@... [mailto:ag6az@...] [ham-antennas] wrote:

First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.

Second question, I am having significant issues with tuning my elevated 5btv at my rental home as I am very limited in term of laying down radials.

Some history, I had this antenna mounted in similar fashion, elevated with limited radials and it was tuned perfectly. I assembled exactly the same way as it was and it marked it the same with a sharpie and now everything is wide off the mark mostly much higher above the desired band for example on 20m it is at 1.6:1 at 14.900 MHz. All other bands are widely off or no where near 2:1. I wonder if the antenna was damaged due to the move. The only other difference in addition to moving the antenna was that I added the DX engineering U239 add on feature so I could connect coax directly. I have also tried two different lines of coax and added new batteries to my mfj259b to make sure it was not the culprit of giving false info.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

33780. Re: [ham-antennas] Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 19:49:42 UTC
From: Original Woodchuck
Topic: 33777 Message: 33780

Comments below...

On Mon, Sep 01, 2014 at 09:54:02AM -0700, schwartzj22@... [ham-antennas] wrote:
> To all 4nec2 users,
>
>
> If I run through the procedure below with 3.58 MHz as the chosen frequency (as seen in the Far Field Pattern results) I will get one value of impedance in the Frequency sweep for 24.917 MHz. If I repeat the procedure but the chosen frequency is now 24.917, I will get a different value for impedance at 24.917 MHz in the Frequency sweep. This shouldn't be.
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> 1) Open file
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>
>
> The antenna is a simple wire antenna-88 foot doublet.
>
>
> What am I doing wrong?
>
>
> Any help is appreciated,
>
> Joel - N3GSE

Hi, Joel!

My guess is that 4nec2 is changing the number of segments in the wire segments making up the antenna. This can definitely change calculated Z. Check the nseg fields in the .nec file.

Dave AB3NR

33781. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 21:03:04 UTC
From: David Cole
Topic: 33775 Message: 33781

Hi,
I have owned an 18AVQ, and 4BTV, in addition to a GAP Challenger... I still have the Challenger, and not the others... I like the GAP because it is a vertical dipole, and as such does not need the radial field a monopole needs, like the 4BTV, and 18AVQ.

I have a review of the GAP Challenger at:
http://nk7z.net/review-of-the-challenger-dx-antenna-by-gap-antenna/

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Mon, 2014-09-01 at 07:23 -0700, Keith Heimbold ag6az@...
[ham-antennas] wrote:
> First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.
>
> Second question, I am having significant issues with tuning my elevated 5btv at my rental home as I am very limited in term of laying down radials.
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> Some history, I had this antenna mounted in similar fashion, elevated with limited radials and it was tuned perfectly. I assembled exactly the same way as it was and it marked it the same with a sharpie and now everything is wide off the mark mostly much higher above the desired band for example on 20m it is at 1.6:1 at 14.900 MHz. All other bands are widely off or no where near 2:1. I wonder if the antenna was damaged due to the move. The only other difference in addition to moving the antenna was that I added the DX engineering U239 add on feature so I could connect coax directly. I have also tried two different lines of coax and added new batteries to my mfj259b to make sure it was not the culprit of giving false info.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> ----------
> Posted by: Keith Heimbold <ag6az@...>

> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---
>
> Yahoo Groups Links
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>

33782. Re: [ham-antennas] Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 22:03:18 UTC
From: Mel Farrer
Topic: 33777 Message: 33782

Hello Joel,

A couple of things. The height above ground; When some part of the antenna is less than 1/4 wave AGL the results will give you different information in gain, impedance, reactance etc. for NEC2 using Real/MININEC vs High Accuracy. In my opinion neither one like to look at antenna elements near ground. Unless they represent ground like radials. They just give you a fudge factor in the algorithm used to do the computations. Lastly, the choice of 3.8 makes one percentage of wavelength to ground and 28 gives you one that is >7 times higher AGL.

Hope that helps a little.

Mel, K6KBE

On Monday, September 1, 2014 12:49 PM, "Original Woodchuck marmota@embarqmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Comments below...

On Mon, Sep 01, 2014 at 09:54:02AM -0700, schwartzj22@yahoo.com [ham-antennas] wrote:
> To all 4nec2 users,
>
>
> If I run through the procedure below with 3.58 MHz as the chosen frequency (as seen in the Far Field Pattern results) I will get one value of impedance in the Frequency sweep for 24.917 MHz. If I repeat the procedure but the chosen frequency is now 24.917, I will get a different value for impedance at 24.917 MHz in the Frequency sweep. This shouldn't be.
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> The antenna is a simple wire antenna-88 foot doublet.
>
>
> What am I doing wrong?
>
>
> Any help is appreciated,
>
> Joel - N3GSE

Hi, Joel!

My guess is that 4nec2 is changing the number of segments in the wire segments making up the antenna. This can definitely change calculated Z. Check the nseg fields in the .nec file.

Dave AB3NR

33783. Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 22:14:39 UTC
From: k9jfk@...
Topic: 33775 Message: 33783

Hi Keith,

Quarter wave antennas need radials, lots of them, to make them "immune" to their mounted locations. "Everything" has changed since you have went to a different mounting location: angle of the radial, height above ground, etc, etc. Only "cure" is to tune the antenna in its present location from scratch.

My BTV is ground mounted and was adjusted using an MFJ259B. The drastic changes slowed down above 16 quarter wave 80m radials, but didn't "stabilize" until I hit the 30 to 50 range. I stopped adding radials at 54... the point of diminishing returns.

So, add some more radials and check the swr while doing so; if adding radials doesn't work, then tune the antenna band by band.

Sorry for the bad news...
73, Jimmie, K9JFK

---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :

First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.

Second question, I am having significant issues with tuning my elevated 5btv at my rental home as I am very limited in term of laying down radials.

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Keith
AK6ZZ

Sent from my iPhone please excuse typos

33784. Re:

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 23:19:24 UTC
From: email4utoo@...
Topic: 33768 Message: 33784

Mark Welcome ! Let us know how all goes , i have some heavy copper that i am considering trying it , but i wanted to build a loop with it , so on goes the debate maybe i will use it temporary got to work on antenna projects first , hihi (lol). Good Luck on License , i witnessed a young guy that went from zero to Extra in one night setting for the 3 tests, Club members were very impressed , he mentioned just studied online and he was the Dumbest Extra we will meet ! hihi. 73s, AJ W5HEH

33785. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-01 23:48:35 UTC
From: Keith Heimbold
Topic: 33775 Message: 33785

Jimmie,

It is a bit remarkable to me how much the change in environment has impacted my 5btv. I began to think a little more about where the antenna was previously located. It was on a 250' canyon edge and my few radials were attached to a 220' long chainlink fence, and the antenna itself was in a concreted old five foot tall lead safe that the door was removed from. Maybe that made a difference. I didn't use the antenna much at all because I had two HF Yagis, slopers and dipoles at that QTH but now the new QTH is very limited. Maybe all that metal helped in the tuning of the 5btv.

I will keep playing with it though now I am leaning towards the Eagle since it is relatively inexpensive and doesn't seem to need radials. I guess I am luckier than many that I can have something up though I don't even have room for a full size g5rv. Amazing how change in location can impact options.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 1, 2014, at 3:14 PM, "k9jfk@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hi Keith,
>
> Quarter wave antennas need radials, lots of them, to make them "immune" to their mounted locations. "Everything" has changed since you have went to a different mounting location: angle of the radial, height above ground, etc, etc. Only "cure" is to tune the antenna in its present location from scratch.
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> My BTV is ground mounted and was adjusted using an MFJ259B. The drastic changes slowed down above 16 quarter wave 80m radials, but didn't "stabilize" until I hit the 30 to 50 range. I stopped adding radials at 54... the point of diminishing returns.
>
> So, add some more radials and check the swr while doing so; if adding radials doesn't work, then tune the antenna band by band.
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> Sorry for the bad news...
> 73, Jimmie, K9JFK
>
>
> ---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :
>
> First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I

was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.
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>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>

33786. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 03:05:38 UTC
From: schwartzj22@...
Topic: 33777 Message: 33786

Dave,

I have segments all taken care of in the Input (.nec) file as shown below.

```
f=24.917 ........freq, MHz
hgh=13.7160 antenna height
wl=299.7892/f wavelength
sl=wl/80 ........seg length
len=26.8224 antenna length
wans=int((len/2)/sl+0.5) w1 #segs
wbns=int((len/2)/sl+0.5) w3 #segs
```

Wire 2 is the source and it is always 1 seg. All the segs for the whole antenna come out very close to the same length.

But I think you are on to something here. If I do a Far-Field Pattern and then Generate at a specific frequency then what I have done in the Input file takes place. I can check the Geometry window and all is as it should be.

But, I wonder if when I do a Frequency sweep, are all the instructions in my Input file obeyed for each of the 8 frequencies that are scanned per those I have listed in the freqs.txt file? I am not sure how to check on this. The Geometry window just shows the frequency in the upper right hand corner that is the last Far-Field Pattern that was run. It doesn’t change when I click on any of the 8 pre-determined frequencies shown in the generated graph.

Using Frequency sweep may not be a good way to go unless the instructions in my Input file are obeyed for each of the pre-determined 8 frequencies.

Thoughts?

Tks,
Joel – N3GSE

33787. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 03:10:07 UTC
From: schwartzj22@...
Topic: 33777 Message: 33787

Mel,

My modeled antenna is 35 feet high and most of all my checking is at 24.917 MHz. Well above 1/4 WL. However, in Frequency sweep one of the freqs is 3.58 so this is below 1/4 WL.

At this point I am not sure where to go with this.

Tks,
Joel - N3GSE

33788. Any advice on this doublet variant?

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 12:04:26 UTC
From: g4jqt@...
Topic: 33788 Message: 33788

I have recently come across the design of the "Comudipole" Doublet antenna and, if possible, would like some expert deliberation...

(Unsurprisingly, the group archives didn't reveal anything called a "comudipole".)

For those unfamiliar with the comudiople it's just a doublet, but instead of the balun (if used) being at the far end of the ladder-line at the tx end, it's at a convenient point where the coax joins the ladder-line. I doubt it's a new idea.

Like many hams, my shack is not at the centre point under the doublet, as conveniently shown in all the books, but inconveniently located at one end. Trailing ladder-line over the ground and through bushes for 25 metres isn't an option, whereas bringing the ladder-line straight down in text-book fashion and joining it to coax near the ground to run through bushes might be.

Of course the ideal solution would be a coax-fed remote ATU with balanced output at the bottom of the ladder-line (or even up at the centre of the doublet), but remote ATUs are pretty expensive, and most don't start sensing below about 5 watts - so my frequent QRP operation wouldn't be an option.

I have space for a 40m long end-to-end doublet at about 10m high at the centre. The idea of putting a balun to "match" the coax to the ladder-line seems too good to be true, although very convenient the have the ATU in the shack.

I guess it's a sort of G5RV/ZS6BKW multi-band doublet/dipole with all the nice lengths and matching thrown out of the window by rigging up whatever one had space for, bodging together the ladder-line and coax, and then just relying on the ATU, hoping none of the dimensions throw up impossible matching impedances.

So... assuming there are not too many frequencies where most of the RF goes to heating the coax (RG213) on the ground, what are the thoughts on a balun? Made from coax? Ferrite? Iron dust? 4:1? 1:1? Any chance this antenna (40m end-to-end) might work in 160m without strapping the feeders as a vertical?

The maximum power will probably be from a DX60 (or more likely HW9 or bareback K2), so were looking at say 60W PEP maximum.

Thanks.

Ian Liston-Smith, G4JQT

33789. RE: [ham-antennas] Any advice on this doublet variant?

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 12:36:49 UTC
From: Billy McFarland
Topic: 33788 Message: 33789

Ian,

I have never heard of that name before but all my doublets have 450 ohm twin feed. To a 4:1 balun then 50ohm coax to the house to the back of the atu. This has worked well for me and the atu does a fine job and gets everyone below 1.5:1 I wouldn't build a doublet any other way!

73 Billy
GM0OBX

33790. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 12:50:49 UTC
From: Keith Heimbold
Topic: 33775 Message: 33790

Thanks to all that answered. I am planning on purchasing the Gap Eagle based on recommendations of it being a vertical dipole versus a quarter wave vertical. I am sure it is a compromise antenna regardless and don't have great expectations for it but nevertheless I am anxious to get back on the air in some form or fashion.

My 5btv I will box up and possibly ship it to my inlaws house in Texas. I already have a shack there for when I visit (RS35 power supply, 6m te systems brick, 6M7JHV, 80-10m OCF dipole, etc. inlaws are cool might as well send it there.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 1, 2014, at 3:14 PM, "k9jfk@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hi Keith,
>
> Quarter wave antennas need radials, lots of them, to make them "immune" to their mounted locations. "Everything" has changed since you have went to a different mounting location: angle of the radial, height above ground, etc, etc. Only "cure" is to tune the antenna in its present location from scratch.
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> My BTV is ground mounted and was adjusted using an MFJ259B. The drastic changes slowed down above 16 quarter wave 80m radials, but didn't "stabilize" until I hit the 30 to 50 range. I stopped adding radials at 54... the point of diminishing returns.
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> So, add some more radials and check the swr while doing so; if adding radials doesn't work, then tune the antenna band by band.
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> Sorry for the bad news...
> 73, Jimmie, K9JFK
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> ---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :
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> First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.
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>
> Keith
> AK6ZZ
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> Sent from my iPhone please excuse typos
>

33791. Re: Any advice on this doublet variant?>

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 13:04:50 UTC
From: Michael Theiss
Topic: 33791 Message: 33791

Hi Ian.
I am a doublet fan :-)
You find some good info about the Comudipole here:
http://www.rsgb.org.uk/books/extra/backyard.htm
Unfortunately, the link to the book itself does not work. But the link to fig. 3 does!
So this should be a good solution for you.
It's worth a try, but I am afraid that you will meet some challenges:
Both the length of the ladder line and the length of the "dipole" (that's what it is) are critical to get the antenna tuned on the different bands - most of all the length of the ladder line. Some inches more or less can make a big difference.
It also depends on the matching range of you tuner. The tuners that are integrated in some transceivers often do not have the necessary range. A simple manual tuner, especially from MFJ, and an external 1:4 balun right behind the tuner's coax outlet, is in general much better.
If I were you, I simply would try, and experiment a bit with the length of the feeder - if necessary.
It is much better, if you use a "real open feeder" (with spreaders) insted of ladder line, because with symmetrical ladder line feeders, you must retune if it starts or stops raining or snowing.
You can have a look at my doublet here:
http://www.qrz.com/db/LJ6BG
I use 450 Ohm ladder line, because its more convenient to install in my qth, even if I have a box with commercial spreaders in my shelves.
I made my doublet as long as my garden allows. I can tune it on ALL bands from 6 to 80 m, but NOT on top band. The minimum length for a doublet that can be used on 160 is 2 x 24 m.
I have tried that by adding a piece of wire BENDED to the ends of my doublet. Tuning is ok, but the reports were miserable. It was difficult to make contacts even with 90 watts.
73
Mick, LJ6BG

33792. Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 15:40:07 UTC
From: soona4sail@...
Topic: 33792 Message: 33792

I came across this sweet little antenna from the EARC of Honolulu, and it may offer a solution for some members of the group.I have not tried it yet, but I am going to build one to include in my field day kit.

http://www.hamuniverse.com/HEARCEndFed.pdf http://www.hamuniverse.com/HEARCEndFed.pdf

73 John VE7MTW

33793. Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 15:47:31 UTC
From: w6jhb@...
Topic: 33792 Message: 33793

Both I and my buddy K6PJV have built this EARC vertical and we can attest that it does work! I support mine with a 35 foot tall JacKite fiberglass pole and occasionally operate out on our back yard patio with my KX3. Have made a ton of QSO's (world wide) using nothing more than this antenna and the KX3. You can get it in the kit form or build your own, as we did.

73, Jim / W6JHB
Folsom CA

33794. Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 15:54:01 UTC
From: soona4sail@...
Topic: 33792 Message: 33794

Awesome...It looks like fun, and any antenna you can almost fit in your back pocket (with a baby tuner) is a bonus for the portable guys. Thanks for the feedback. I;ll bet its even better by saltwater.

73 John VE7MTW

33795. Re: [ham-antennas] Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 15:58:25 UTC
From: Kenneth G. Gordon
Topic: 33792 Message: 33795

On 2 Sep 2014 at 8:47, w6jhb@... [ham-antennas] wrote:

> Both I and my buddy K6PJV have built this EARC vertical and we can attest that
> it does work!

I found the link to the PDF on that antenna to be especially interesting
because of the easily made 9:1 UNUN.

In my case, I want a 9:1 UNUN in order to better match the almost 4K ohm
input impedance of my WWII ARC-5 receivers.

However, my 9:1 UNUN must work from about 190 KHz through 9 MHz, so
unless someone here can quickly advise me of what changes to the UNUN
in that article must be made to enable coverage of my required frequency
range, I will have to do some more research.

Thank you for the link.

Ken W7EKB

33796. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 16:04:17 UTC
From: Original Woodchuck
Topic: 33777 Message: 33796

On Mon, Sep 01, 2014 at 08:05:38PM -0700, schwartzj22@... [ham-antennas] wrote:
> Dave,
>
>
> I have segments all taken care of in the Input (.nec) file as shown below.
>
>
> f=24.917 .....freq, MHz
> hgh=13.7160 antenna height
> wl=299.7892/f wavelength
> sl=wl/80 .....seg length
> len=26.8224 antenna length
> wans=int((len/2)/sl+0.5) w1 #segs
> wbns=int((len/2)/sl+0.5) w3 #segs

sl=wl/80 .....seg length

Here segment length (and therefore segment count) is specified
as a function of wavelength. I believe this means the same wavelength
as specified just above.

In one run, f=24.917. All the functions of f are calculated.

In another run, f=3.59. Different segment length.

Is this some scripting language used by 4Nec2?

> Wire 2 is the source and it is always 1 seg. All the segs for the whole antenna come out very close to the same length.
>
>
> But I think you are on to something here. If I do a Far-Field Pattern and then Generate at a specific frequency then what I have done in the Input file takes place. I can check the Geometry window and all is as it should be.
>
>
> But, I wonder if when I do a Frequency sweep, are all the instructions in my Input file obeyed for each of the 8 frequencies that are scanned per those I have listed in the freqs.txt file? I am not sure how to check on this. The Geometry window just shows the frequency in the upper right hand corner that is the last Far-Field Pattern that was run. It doesn’t change when I click on any of the 8 pre-determined frequencies shown in the generated graph.

NEC2 doesn't change your geometry when you scan as a result of the FR card.
If there are 19 segments in a wire, then there are 19 segments in that
wire, period.

Unfortunately, I cannot use 4nec2. But this is how NEC2 cores work.

How to check?

I don't know what a "freqs.txt" file is, unfortunately. It sounds like
a list of frequencies at which you are requesting a single-point "scan".

Try specifying the segment length as a constant, say .1 m.

> Using Frequency sweep may not be a good way to go unless the instructions in my Input
file are obeyed for each of the pre-determined 8 frequencies.

Depends what you mean by a "good way to go". Where were you going?

It sounds like you want segment length to change for each frequency in
a scan/sweep. ("FR card"). That's not going to happen in NEC2.

I agree with what you want -- segment length is not a physical property
of an antenna, it is just an artefact of computation, a parameter to
the MoM algorithm. Ideally, results should be independent of segment
length. In fact, Cebik wrote a relatively lucid article on this subject,
trying to obtain convergence to fixed results as he manually changed
segment length for some test antenna. I've done a half-assed job
of this since your post. It's surprising how slowly NEC2 converges.
I can see differences between 146 segments/arm and 150 segments/arm, at
15 MHz. (I'm surprised at this. Close, but no cigar.) Now there is a
limit on how many segments you can have in a wire, one due to "computers"
(depends on some internal NEC2 limit or on how much memory you have,
depending on version of NEC2, I believe), and another "silent" limit
due to "mathematics", i.e. the nature of the MoM algorithm and the "thin
wire approximation". This "math" limit is a function of the wire size.
I believe you want to have segments that are at least 4x the diameter
of the wire, or the approximation gets funky. Call it 10x. So you
can't just set your segment size to 1 mm for wire of diameter 1mm.
(NEC2 thinks of a segment as a "thin wire", but a segment 1mm long by
1mm diameter isn't "thin", it's a sort of barrel!) There's a "practical"
limit, too, namely how long you want to wait for results. Execution time
goes with the square of the number of segments. (NEC2 must calculate
the interaction of each segment with each other segment, for all the
segments.)

The theoretical size of a segment must be small enough so that replacing
the actual current in that segment (which varies continuously over its
length) by the average of its endpoints is a "valid" approximation.

Dave AB3NR

33797. Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 16:56:42 UTC
From: Walt Wilson
Topic: 33775 Message: 33797

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

33798. Re: [ham-antennas] Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 17:21:02 UTC
From: Kevin Kleinfelter
Topic: 33792 Message: 33798

I own one. I also own the single-band 20m EFHW and the 40m EFHW.

I've found the 6-40 to perform reasonably well for SOTA (mountaintop) operation. I get better signal reports with the EFHW than I do with the end-fed random.
Kevin / K4KPK

On Tue, Sep 2, 2014 at 11:40 AM, soona4sail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I came across this sweet little antenna from the EARC of Honolulu, and it
> may offer a solution for some members of the group.I have not tried it yet,
> but I am going to build one to include in my field day kit.
>
>
> http://www.hamuniverse.com/HEARCEndFed.pdf
>
>
> 73 John VE7MTW
>
>
>
>

33799. Re: [ham-antennas] Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 17:44:39 UTC
From: Chuck Schultz
Topic: 33792 Message: 33799

This is basically the same antenna as my Eagle One ant on my motor home. I feed mine with a home wound 4:1 un-un . I use the frame of the 31ft motor home as a ground and the ant is mounted on the ladder. It takes a 71 plus year old about 5 minutes to have it on the air . I work 75 thru 6 mtrs however 75 is better when I connect another 31ft of wire drooping down and secured to the windshield wiper blade with string . I have wasted many years of my Ham adventures on tall towers and large YAGIS . These wires are a ball ! Chuck Wq5B

On 9/2/2014 10:47 AM, w6jhb@... [ham-antennas] wrote:

> Both I and my buddy K6PJV have built this EARC vertical and we can
> attest that it does work! I support mine with a 35 foot tall JacKite
> fiberglass pole and occasionally operate out on our back yard patio
> with my KX3. Have made a ton of QSO's (world wide) using nothing more
> than this antenna and the KX3. You can get it in the kit form or build
> your own, as we did.
>
>
> 73, Jim / W6JHB
> Folsom CA
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

33800. Roof mounted vertical antenna radial field

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 18:25:32 UTC
From: Jimmie K9JFK
Topic: 33800 Message: 33800

Hi...

Walt Wilson inquired about the effectiveness of a roof mounted vertical antenna. The hard part, it seems to me, would be putting in enough radials for an effective installation.

Has anyone added radials to the underside of the roof; that is, working in the attic? Working there would be faster and safer, plus the radial wires would just need to be stapled to the supports or underside of the roof. A single wire would need a pass through to the outside of the roof, of course.

Any thoughts or experiences?.

73, Jimmie, K9JFK

33801. Re: [ham-antennas] Any advice on this doublet variant?

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 18:43:28 UTC
From: Original Woodchuck
Topic: 33788 Message: 33801

On Tue, Sep 02, 2014 at 05:04:26AM -0700, g4jqt@... [ham-antennas] wrote:
>
> I have recently come across the design of the "Comudipole" Doublet antenna and, if possible, would like some expert deliberation...
>
...

> I guess it's a sort of G5RV/ZS6BKW multi-band doublet/dipole with all the nice lengths and matching thrown out of the window by rigging up whatever one had space for, bodging together the ladder-line and coax, and then just relying on the ATU, hoping none of the dimensions throw up impossible matching impedances.

Yeah, it's a G5RV variant. So most internet discussions of the G5RV will probably be relevant. Read G5RV's later discussions in particular.

> So... assuming there are not too many frequencies where most of the RF goes to heating the coax (RG213) on the ground, what are the thoughts on a balun? Made from coax? Ferrite? Iron dust? 4:1? 1:1? Any chance this antenna (40m end-to-end) might work in 160m without strapping the feeders as a vertical?

Well, balun "A" may be good on one band, but stink on another.

Use ferrite. Which ferrite? Depends on which band is most important.

Don't forget about losses in the balun. All pro-balun articles do, since they consider the cases only when a balun, designed to match 200:50 ohms is used with those very same Z's. All manner of baluns work OK under such conditions, even old ratty wire wrapped on an iron rod.

But casually using a balun that is fine at 200:50 at 600 : 166, or even backwards at 12.5 : 50, results in internal losses, heating the balun. Baluns often crack. The problem with this antenna is that you may well have a variety of impedances on various bands (and also over a single wide band, like 40 or 80/75). No one balun will be ideal for all bands.

You can load a 10 ft length of wire to resonate on 160m, but it will have a bandwidth as narrow as a knifeblade, or will be faking a broader bandwidth by losing power somewhere. This seems to be a fact of nature. Shorting the ladder line (and deploying a counterpoise!) turns the antenna into a capacity hat and the ladderline into a radiator. This will work "better". You'll still need to match it some how, probably a loading coil at the bottom of the ladder line. Also possible to put an L network there, matching stubs, and/or other fun things; see the book. What book? Dunno for sure.

> The maximum power will probably be from a DX60 (or more likely HW9 or bareback K2), so were looking at say 60W PEP maximum.

>
>
> Thanks.

I haven't helped that much, I know.

Dave AB3NR

33802. Re: [ham-antennas] Roof mounted vertical antenna radial field

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 18:51:47 UTC
From: ka9p@...
Topic: 33800 Message: 33802

Yes, works great. In fact I'm happy enough with it that I'm just getting ready to do it again with a Small SteppIR vertical and the house attic.

I have used that set up with a 4 BTV on the garage roof and found no apparent difference in performance, although it does take a bit of creativity with the 40 meter radials if that attic isn't big.. In the garage I put mine across the long diagonal corner to corner in opposite directions and folded the rest of the radial along the base of the roof in opposite directions. I'm sure it must compromise things a bit, but the simplicity of not having any radials on the roof made it well worth it.

Because of the folding on a few bands, I tuned mine to resonance by tying two together and measuring like a dipole FWIW, although I've heard other opinions as to whether that's a good or bad idea.

73 Scott

In a message dated 9/2/2014 1:28:28 P.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

Hi...

Walt Wilson inquired about the effectiveness of a roof mounted vertical antenna. The hard part, it seems to me, would be putting in enough radials for an effective installation.

Has anyone added radials to the underside of the roof; that is, working in the attic? Working there would be faster and safer, plus the radial wires would just need to be stapled to the supports or underside of the roof. A single wire would need a pass through to the outside of the roof, of course.

Any thoughts or experiences?.

73, Jimmie, K9JFK

33803. Re: [ham-antennas] Roof mounted vertical antenna radial field

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 18:52:59 UTC
From: David Cole
Topic: 33800 Message: 33803

Hi,
Here is everything you will ever need to know about elevated radials...
Rudy has done an outstanding job on these articles...

http://www.antennasbyn6lf.com/2012/02/elevated-radial-ground-systems-some-cautions.html

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Tue, 2014-09-02 at 11:25 -0700, Jimmie K9JFK k9jfk@...
[ham-antennas] wrote:
>
>
> Hi...
>
>
> Walt Wilson inquired about the effectiveness of a roof mounted
> vertical antenna. The hard part, it seems to me, would be putting in
> enough radials for an effective installation.
>
>
> Has anyone added radials to the underside of the roof; that is,
> working in the attic? Working there would be faster and safer, plus
> the radial wires would just need to be stapled to the supports or
> underside of the roof. A single wire would need a pass through to the
> outside of the roof, of course.
>
>
>
> Any thoughts or experiences?.
>
>
> 73, Jimmie, K9JFK
>
>
>

33804. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 19:02:08 UTC
From: schwartzj22@...
Topic: 33777 Message: 33804

Dave and all,

This is better. With this everyone can take a look at what the model is.

```
CM Dipole antenna for 80 mtr
CM Wireman part # 532, 18 ga silky poly material. It is polyethylene material,
CM 0.0010541 meters-radius of insulated wire
CM 0.00056515 meters-radius of bare wire
CM
CE
SY f=3.58 'freq, MHz
SY hgh=10.668 'antenna height
SY wl=299.7892/f 'wavelength
SY sl=wl/40 'seg length
SY len=41.1480 'antenna length
SY wans=int((len/2)/sl+0.5) 'w1 #segs
SY wbns=int((len/2)/sl+0.5) 'w3 #segs
GW 1 wans -sl/2 0 hgh -sl/2-len/2 0 hgh 0.00056515
GW 2 1 -sl/2 0 hgh sl/2 0 hgh 0.00056515
GW 3 wbns sl/2 0 hgh sl/2+len/2 0 hgh 0.00056515
GE -1
LD 7 0 0 0 2.4 0.001143
LD 5 0 0 0 58000000
GN 2 0 0 0 13 0.005
EK
EX 0 2 1 0 1 0 0 'Voltage source 1+j0 volts on wire 2
FR 0 0 0 0 f 0
EN
```

Tks,
Joel-N3GSE

33805. one of the Best Antenna Book sites

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 19:59:45 UTC
From: email4utoo@...
Topic: 33805 Message: 33805

Mick, Jim, John, Mark, and all who inspired me today to find this Gem of a link for Antenna Books, yes BackYard Antennas book is there !
if you know of one better and some here in the States,(shipping might be less), that have these share them ! , appreciate this group, 73s, "AJ" W5HEH
Antennas http://www.rsgbshop.org/acatalog/Online_Catalogue_Antennas_37.html

http://www.rsgbshop.org/acatalog/Online_Catalogue_Antennas_37.html

Antennas http://www.rsgbshop.org/acatalog/Online_Catalogue_Antennas_37.html Antenna Books

View on www.rsgbshop.org
http://www.rsgbshop.org/acatalog/Online_Catalogue_Antennas_37.html
Preview by Yahoo

33806. Re: one of the Best Antenna Book sites

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 20:20:20 UTC
From: email4utoo@...
Topic: 33805 Message: 33806

Went to amazon, they have a lot of good used Antenna books, ordered LA MOxon's HF Antennas for all Locations , will have to add more obviously ! 73s, AJ W5HEH

33807. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 20:28:12 UTC
From: schwartzj22@...
Topic: 33777 Message: 33807

To all,

Here is another approach that would really help me.

If you have EZNEC can you model my antenna and see what you get for the load impedance? If you stay really close to my parameters then at least I can see what the correct antenna load impedance is and can proceed from there in my work. In 4nec2 I get two different impedances depending on how I set up the run. Of course this should not occur. I am sure that one of them is correct but I do not know which one is correct, yet.

88 foot horizontal doublet
35 feet high
Wireman part # 532, 18 ga silky poly material. It is polyethylene material,
0.0010541 meters-radius of insulated wire
0.00056515 meters-radius of bare wire
24.917 MHz is the freq of interest to me.
Real ground – conductivity – 0.005, diel const - 13

I provide this wire information in the event you can model insulated wire using EZNEC. If not, just use the above radius information for the bare wire.

Tks,
Joel – N3GSE

33808. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 20:41:07 UTC
From: Original Woodchuck
Topic: 33777 Message: 33808

On Tue, Sep 02, 2014 at 12:02:08PM -0700, schwartzj22@... [ham-antennas] wrote:

```
> Dave and all,
>
> This is better. With this everyone can take a look at what the model is.
>
>
> CM Dipole antenna for 80 mtr
> CM Wireman part # 532, 18 ga silky poly material. It is polyethylene material,
> CM 0.0010541 meters-radius of insulated wire
> CM 0.00056515 meters-radius of bare wire
> CM
> CE
> SY f=3.58 'freq, MHz
> SY hgh=10.668 'antenna height
> SY wl=299.7892/f 'wavelength
> SY sl=wl/40 'seg length
> SY len=41.1480 'antenna length
> SY wans=int((len/2)/sl+0.5) 'w1 #segs
> SY wbns=int((len/2)/sl+0.5) 'w3 #segs
> GW 1 wans -sl/2 0 hgh -sl/2-len/2 0 hgh 0.00056515
> GW 2 1 -sl/2 0 hgh sl/2 0 hgh 0.00056515
> GW 3 wbns sl/2 0 hgh sl/2+len/2 0 hgh 0.00056515
> GE -1
> LD 7 0 0 0 2.4 0.001143
> LD 5 0 0 0 58000000
> GN 2 0 0 0 13 0.005
> EK
> EX 0 2 1 0 1 0 0 'Voltage source 1+j0 volts on wire 2
> FR 0 0 0 0 f 0
> EN
```

OK, it seems to be what I thought. The differing values of Z for 24.xxx MHz are due to differing segment lengths, depending on whether f in the first SY card is set to 3.xx or 24.xx. "Normal Operation", I think.

Dave AB3NR

33809. Re: [ham-antennas] Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 20:57:51 UTC
From: Don Sanders
Topic: 33792 Message: 33809

What core did you use in your homemade balun?
Don W4BWS

On Tue, Sep 2, 2014 at 10:47 AM, w6jhb@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Both I and my buddy K6PJV have built this EARC vertical and we can attest
> that it does work! I support mine with a 35 foot tall JacKite fiberglass
> pole and occasionally operate out on our back yard patio with my KX3. Have
> made a ton of QSO's (world wide) using nothing more than this antenna and
> the KX3. You can get it in the kit form or build your own, as we did.
>
> 73, Jim / W6JHB
> Folsom CA
>
>
>

--
Dr. Don W4BWS

33810. used TV antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 21:14:36 UTC
From: steve.lenaghan@...
Topic: 33810 Message: 33810

I have an old TV antenna where the elements can be scaled down to 144/440 band. The original TV antenna was dual band and the UHF elements were coupled to the folded VHF dipole.

I obviously have to move and shorten the existing elements but what should be the placement of the 'driven' 440 element be in relation to the 144 dipole?

73 Steve VE5SR

33811. Re: [ham-antennas] Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 21:16:36 UTC
From: w6jhb@...
Topic: 33792 Message: 33811

I used a T106-2. They are $1.80 for two of 'em at Amidon.

33812. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-02 22:49:22 UTC
From: schwartzj22@...
Topic: 33777 Message: 33812

Dave,

If I run autosegmentation vs. my design without autoseg here is the result:

Auto seg
118 segs total for the antenna on 24.917
18 segs total for the antenna on 3.58

My design (no auto seg)
178 segs total for the antenna on 24.917
26 segs total for the antenna on 3.58

So I am running with about 50% more segs for my design.

So, are you saying that if f=3.58 and if I do a Freq sweep, I will only have 26 segs on the antenna at 24.917 MHz? In other words, Freq sweep will not assign 178 segs for the total antenna even though in my design it should be this number for 24.917 MHz?

Tks,
Joel - N3GSE

33813. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 00:31:11 UTC
From: luckettg@...
Topic: 33732 Message: 33813

Try Craigslist for antenna towers. I see them there all the time.
Greg Luckett
NB8X
73

33814. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 01:21:04 UTC
From: Original Woodchuck
Topic: 33777 Message: 33814

On Tue, Sep 02, 2014 at 03:49:22PM -0700, schwartzj22@... [ham-antennas] wrote:
> Dave,
>
>
> If I run autosegmentation vs. my design without autoseg here is the result:
>
>
> Auto seg
> 118 segs total for the antenna on 24.917
> 18 segs total for the antenna on 3.58
>
>
> My design (no auto seg)
> 178 segs total for the antenna on 24.917
> 26 segs total for the antenna on 3.58
>
>
> So I am running with about 50% more segs for my design.
>
>
> So, are you saying that if f=3.58 and if I do a Freq sweep, I will only have 26 segs on the antenna at 24.917 MHz? In other words, Freq sweep will not assign 178 segs for the total antenna even though in my design it should be this number for 24.917 MHz?

Yes. Exactly.

Dave AB3NR

33815. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 01:42:06 UTC
From: Original Woodchuck
Topic: 33777 Message: 33815

On Tue, Sep 02, 2014 at 09:21:04PM -0400, Original Woodchuck marmota@... [ham-antennas] wrote:
> On Tue, Sep 02, 2014 at 03:49:22PM -0700, schwartzj22@... [ham-antennas] wrote:
> > Dave,
> >
> >
> > If I run autosegmentation vs. my design without autoseg here is the result:
> >
> >
> > Auto seg
> > 118 segs total for the antenna on 24.917
> > 18 segs total for the antenna on 3.58
> >
> >
> > My design (no auto seg)
> > 178 segs total for the antenna on 24.917
> > 26 segs total for the antenna on 3.58
> >
> >
> > So I am running with about 50% more segs for my design.
> >
> >
> > So, are you saying that if f=3.58 and if I do a Freq sweep, I will only have 26 segs on the antenna at 24.917 MHz? In other words, Freq sweep will not assign 178 segs for the total antenna even though in my design it should be this number for 24.917 MHz?
>
> Yes. Exactly.
>
> Dave AB3NR

I have now noticed that your wire 2 (the little feed segment) changes its size depending on "sl", the calculated segment length. This in itself will cause the antenna to vary with frequency. I'd make that segment a hard constant. I like something like 20mm. Why? I dunno. There is a physical reality here, though, the distance of the gap in a "real" dipole.

I also notice that there is an error in your logic.

Consider this GW card. (also the one for tag 3):

GW 1 wans -sl/2 0 hgh -sl/2-len/2 0 hgh 0.00056515

Notice that you add sl/2 to its overall length. That's an error; it changes the total length of the antenna as a function of f, which is not what you wanted, I think. I think that GW card should be, instead:

```
GW 1 wans -sl/2 0 hgh -len/2 0 hgh 0.00056515
```

Dave AB3NR

33816. Re: Sweet little Antenna from the Emergency amateur Radio club of Honolulu

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 03:50:10 UTC
From: email4utoo@...
Topic: 33792 Message: 33816

Don, i made my UnUn as shown here link- LDG S9Antennas
https://groups.yahoo.com/neo/groups/S9Antennas/files/UNUNS/

https://groups.yahoo.com/neo/groups/S9Antennas/files/UNUNS/

LDG S9Antennas https://groups.yahoo.com/neo/groups/S9Antennas/files/UNUNS/ This is a volunteer run group for hams interested in discussing sharing ideas about LDG Electronics S9Antennas and accessories, such as the S9v43, S9v3...

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/S9Antennas/files/UNUNS/
Preview by Yahoo

i made mine from T200-2 , if you want to run full legal then you need the larger T260 Amidon Cores .
there are other sites as well, and buy a book on Balun Construction at CQ magazine's shop , best price i just ordered one . 73s, AJ W5HEH

33817. another good Balun link

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 03:54:34 UTC
From: email4utoo@...
Topic: 33817 Message: 33817

Balun 4:1 http://vk6ysf.com/balun_4-1.htm

http://vk6ysf.com/balun_4-1.htm

Balun 4:1 http://vk6ysf.com/balun_4-1.htm Requiring a balun to feed a balanced feed line with an un-balanced T-Match network a 4:1 Ruthroff voltage balun design using a T200-2 ...

View on vk6ysf.com http://vk6ysf.com/balun_4-1.htm
Preview by Yahoo

33818. Re: [ham-antennas] one of the Best Antenna Book sites

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 03:57:19 UTC
From: dalecole3502@...
Topic: 33805 Message: 33818

Have you checked Amazon? I buy many of my books indirectly thru them, one of my last came in excellent condx, and was shipped from England. Takes a little longer to get in your grubby paws, but the purchase price was a fraction of book store price. Shipping costs, at that point became irreverent. You may specify condx, and price you want t o pay.

Dale K8TS

----- Original Message -----

From: "Name, Full" <ham-antennas@yahoogroups.com>
To: "Name, Full" <ham-antennas@yahoogroups.com>
Sent: Tuesday, September 2, 2014 3:59:45 PM
Subject: [ham-antennas] one of the Best Antenna Book sites

Mick, Jim, John, Mark, and all who inspired me today to find this Gem of a link for Antenna Books, yes BackYard Antennas book is there !
 if you know of one better and some here in the States,(shipping might be less), that have these share them ! , appreciate this group, 73s, "AJ" W5HEH
Antennas

Antennas
Antenna Books

View on www.rsgbshop.org

Preview by Yahoo

33819. Re: another good Balun link

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:08:22 UTC
From: email4utoo@...
Topic: 33817 Message: 33819

here is one on 9-1 -
Unun 9:1 http://vk6ysf.com/unun_9-1.htm

http://vk6ysf.com/unun_9-1.htm

Unun 9:1 http://vk6ysf.com/unun_9-1.htm With the view to establish a quick and easy multi-band antenna deployment for portable and camping operations a simple long wire antenna with an...

View on vk6ysf.com http://vk6ysf.com/unun_9-1.htm
Preview by Yahoo

33820. Re: another good Balun link

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:13:09 UTC
From: email4utoo@...
Topic: 33817 Message: 33820

Balun 1:1 http://vk6ysf.com/balun_1-1.htm

http://vk6ysf.com/balun_1-1.htm

Balun 1:1 http://vk6ysf.com/balun_1-1.htm Requiring a balun to feed a balanced feed line with an un-balanced T-Match network a 1:1 Ruthroff voltage balun design using a T200-2 ...

View on vk6ysf.com http://vk6ysf.com/balun_1-1.htm
Preview by Yahoo

33821. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:11:09 UTC
From: schwartzj22@...
Topic: 33777 Message: 33821

Dave,

Joel> > So, are you saying that if f=3.58 and if I do a Freq sweep, I will only have 26 segs on the antenna at 24.917 MHz? In other words, Freq sweep will not assign 178 segs for the total antenna even though in my design it should be this number for 24.917 MHz?

Dave>> Yes. Exactly.

I would like to understand this problem and be able to solve it. First, for some reason I always thought the source wire (in this case wire 2) doesn't not count as part of the length of the antenna. Am I wrong about this?

If it does count as part of the length of an antenna, how about I change my design so that wires 1 & 3 are automatically adjusted by my design to compensate for the variable length of wire 2? The total length of wires 1, 2 & 3 would always be 88 feet. Do you think this would solve the problem?

My current design is such that segment length for each of the 3 wires always comes out very close in length. Somewhere in the documentation I read that for more involved antennas and in particular wires that have sharp angles, it is very important that segment lengths for adjacent wires are not too different. This is why I did not make wire 2 a hard constant and why I thought it needs to be variable.

It is true that this example antenna in question is very simple and has no sharp angles but I developed my logic so that it could apply for all antennas I model.

In order to get the ending dimension correct (in the X dimension), wire 1 needs to add to the end of wire 2. Likewise, wire 3 needs to add to the other end of wire 2. I think I am right about this but my mind is open.

I think the critical component here is what is first discussed.

Thoughts?

Thank you for the help on this. I appreciate your effort. It is considerable.
Joel - N3GSE

33822. HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:30:43 UTC
From: dalecole3502@...
Topic: 33822 Message: 33822

Somehow a bug got into my email system--all emails from this group read in the "from" column as "Name, Full". That's it. No knowledge of where/who it is coming from The subject line reads ok and as it should, no problems. I don't know where to start looking. If you reply to me directly off the reflector, it should come through correctly. However, if it is posted to the board, I will have to open it up just as all posts. I posted a reply to a post this evening and it even came back as "Name,Full" Any ideas? dalecole3502@...

Dale K8TS

33823. Re: [ham-antennas] HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:37:18 UTC
From: Adrian Flynn
Topic: 33822 Message: 33823

Start with "FUBAR AKA: YAHOO!"

they are playing games again and it isn't just this group.

Also if you send a private reply direct to someone in the group it also
goes through the group no matter.

FAHOO IS F-U-B-A-R and S-N-A-F-U!

72/73
Adrian KF7DYU

>
> .
>
>
>

33824. Re: [ham-antennas] HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 04:50:49 UTC
From: dalecole3502@...
Topic: 33822 Message: 33824

Agreed. This is not the only group, but is one of my several groups. I am s ure it is not the group itself, but gotta start somewhere. I does it with one other group, but on three others I do not have this problem. If this is going thrrough the board, maybe someone else has had the problem and knows of a fix. This is so annoying that I am ready to qsy to a different qrg but the topics and conversations are so good and informative.

TIA

Dale K8TS

----- Original Message -----

From: "Name, Full" <ham-antennas@yahoogroups.com>
To: "Name, Full" <ham-antennas@yahoogroups.com>
Sent: Wednesday, September 3, 2014 12:37:18 AM
Subject: Re: [ham-antennas] HELP !! Mister Moderator Please--Email Problems

Start with "FUBAR AKA: YAHOO!"

they are playing games again and it isn't just this group.

Also if you send a private reply direct to someone in the group it also goes through the group no matter.

FAHOO IS F-U-B-A-R and S-N-A-F-U!

72/73
Adrian KF7DYU

.

33825. Re: [ham-antennas] HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 05:07:57 UTC
From: email4utoo@...
Topic: 33822 Message: 33825

It seems whenever there is a Windows or yahoo update things go haywire , i have seen this for many years in yahoo groups, i will stay and ride out the issues , i learn so much here it is worth it . 73s, AJ W5heh

33826. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 05:08:53 UTC
From: Original Woodchuck
Topic: 33777 Message: 33826

On Tue, Sep 02, 2014 at 09:11:09PM -0700, schwartzj22@... [ham-antennas] wrote:
> Dave,
>
>
> Joel> > So, are you saying that if f=3.58 and if I do a Freq sweep, I will only have 26 segs on the antenna at 24.917 MHz? In other words, Freq sweep will not assign 178 segs for the total antenna even though in my design it should be this number for 24.917 MHz?
>
> Dave>> Yes. Exactly.
>
>
> I would like to understand this problem and be able to solve it. First, for some reason I always thought the source wire (in this case wire 2) doesn't not count as part of the length of the antenna. Am I wrong about this?

I believe so, yes. This could be easily tested.

> If it does count as part of the length of an antenna, how about I change my design so that wires 1 & 3 are automatically adjusted by my design to compensate for the variable length of wire 2? The total length of wires 1, 2 & 3 would always be 88 feet. Do you think this would solve the problem?

When you excite wire 2, you are putting a voltage across it, i.e. forcing
the antenna to have a certain voltage drop across two points, namely
the endpoints of this feed segment. Since this length will be variable
(over a 10:1 ratio, roughly), results will vary, too.

The change you propose is what I said before, the GW card for 1&3 should
run from the end of the feed segment to 88/2 feet.

The antenna you spec in your .nec has a "len" of 41.148 m. That comes
out to 135 feet. I don't know where this "88 feet" keeps coming from.

The 41m length has a resonance near 3.55 MHz. I suspect this is something
you want.

Consider a segment at the middle of one arm. NEC actually calculates
its interaction with the symmetric segment in the other arm. (and with all
other segments of course). So how far apart are those two segments?
That distance had better stay constant if we're talking about the same
antenna. So "no rubberized feed segment allowed".

> My current design is such that segment length for each of the 3 wires always comes out very close in length. Somewhere in the documentation I read that for more involved antennas and in particular wires that have sharp angles, it is very important that segment lengths for adjacent wires are not too different. This is why I did not make wire 2 a hard constant and why I thought it needs to be variable.

In this case, it meets each of the arms at 180 degrees. I hope someone else can comment here.

> It is true that this example antenna in question is very simple and has no sharp angles but I developed my logic so that it could apply for all antennas I model.

Since real antennas have real and constant geometry, so should your model. IMO.

> In order to get the ending dimension correct (in the X dimension), wire 1 needs to add to the end of wire 2. Likewise, wire 3 needs to add to the other end of wire 2. I think I am right about this but my mind is open.

You're wrong, and you're seeing the evidence. I recommend poking around www.cebik.com and see his models.

Now think about a square loop: are you going to swell the loop to accommodate a feed segment?

THink now of the feed segment. It has a voltage across it. Having a voltage, there is a current. Having a current that changes, there is radiation. Isn't that part of the antenna?

A workaround -- for this dipole use just one wire, from -len/2 to +len/2. Ensure that the number of segments is odd. Excite it at the middle segment.

> I think the critical component here is what is first discussed.

Dave AB3NR

33827. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 05:26:32 UTC
From: Dale Miller
Topic: 33777 Message: 33827

On 9/2/2014 11:11 PM, schwartzj22@... [ham-antennas] wrote:
>
>
> Dave,
>
> Joel> > So, are you saying that if f=3.58 and if I do a Freq sweep, I
> will only have 26 segs on the antenna at 24.917 MHz? In other words,
> Freq sweep will not assign 178 segs for the total antenna even though
> in my design it should be this number for 24.917 MHz?
> Dave>> Yes. Exactly.
>
> I would like to understand this problem and be able to solve it.
> First, for some reason I always thought the source wire (in this case
> wire 2) doesn't not count as part of the length of the antenna. Am I
> wrong about this?

In 4nec2 for a dipole you would make (1) long wire and center the source.
That creates a dipole and the software thinks of it as 2 pieces of wire
split in the middle.
This is how I have done it and most of the examples of simple dipoles in
the examples provided with 4nec2 do it that way also.
I even do it that way with my yagi driven elements unless I'm doing
something that doesn't resemble a simple dipole.
If your doing something similar to a g5rv that is fed with ladder line
then the source isn't at the dipole so it doesn't count.

>
> If it does count as part of the length of an antenna, how about I
> change my design so that wires 1 & 3 are automatically adjusted by my
> design to compensate for the variable length of wire 2? The total
> length of wires 1, 2 & 3 would always be 88 feet. Do you think this
> would solve the problem?

As above just create one long wire that is the length of your total
dipole in length and center or put your source where you would like it
to be such as centered or off centered. 4nec2 knows that the source is
to be where you split the wire.

>
> My current design is such that segment length for each of the 3 wires
> always comes out very close in length. Somewhere in the documentation
> I read that for more involved antennas and in particular wires that
> have sharp angles, it is very important that segment lengths for
> adjacent wires are not too different. This is why I did not make wire
> 2 a hard constant and why I thought it needs to be variable.
>

> It is true that this example antenna in question is very simple and
> has no sharp angles but I developed my logic so that it could apply
> for all antennas I model.
>
> In order to get the ending dimension correct (in the X dimension),
> wire 1 needs to add to the end of wire 2. Likewise, wire 3 needs to
> add to the other end of wire 2. I think I am right about this but my
> mind is open.
>
> I think the critical component here is what is first discussed.
>
> Thoughts?
>
> Thank you for the help on this. I appreciate your effort. It is
> considerable.
> Joel - N3GSE
>

If you do as was said and follow nec2 guideline your won't have a
problem with 4nec2.
There are very small differences and they will be documented in the
documentation that Arie Voors supplies
Your really should do the tutorials that he has on his site if you
haven't already.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

33828. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 10:49:02 UTC
From: Walt Wilson
Topic: 33775 Message: 33828

Lots of good information given, and I thank all of you who contributed. But on the less technical side (because most of the articles are very technical in nature) I simply wanted to know if mounting this multiband antenna on the roof would work with any decent results. I do not plan to have a lot of wire radials on top of the roof or in the attic, but I can have some aluminum radials attached to the base of the antenna.

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 02, 2014 12:56 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Vertical questions

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8143 - Release Date: 09/02/14

33829. Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 11:33:41 UTC
From: wa1rkt@...
Topic: 33822 Message: 33829

I haven't seen anything wrong yet... all email comes through with correct-looking headers just as always.

33830. Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 12:12:37 UTC
From: wa1rkt@...
Topic: 33822 Message: 33830

Are you guys posting via email, i.e. to "ham-antennas@yahoogroups.com"? I'm posting via the Yahoo ham-antennas web page. Maybe that's the difference.

Rick WA1RKT

33831. Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 12:25:00 UTC
From: W1JCW
Topic: 33822 Message: 33831

That should not make a difference, it's an email address. I send msgs via my email program.

The msgs are being delay or stripped for some reason.

73-

W1JCW

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 7:13 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Are you guys posting via email, i.e. to "ham-antennas@yahoogroups.com"? I'm posting via the Yahoo ham-antennas web page. Maybe that's the difference.

Rick WA1RKT

33832. Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 12:55:38 UTC
From: wa1rkt@...
Topic: 33822 Message: 33832

I know it SHOULDN'T make a difference, but it appears that perhaps it does. As I said, I am seeing none of the problems you all are seeing.

Rick WA1RKT

33833. RE: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 12:58:23 UTC
From: Joe Wolfe
Topic: 33822 Message: 33833

The only issue I have seen recently, is Yahooey’s insistence (again) on sending someone’s post, 3 or 4 times.

Joe – W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

I know it SHOULDN'T make a difference, but it appears that perhaps it does. As I said, I am seeing none of the problems you all are seeing.

Rick WA1RKT

33834. 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 13:01:34 UTC
From: Billy McFarland
Topic: 33834 Message: 33834

Hello All,

I was thinking of making and antena for 17m and 12m. The full size elements of the 17m yagi are just to big for my QTH. So I was thinking of a 17m moxon with a 12m yagi antenna design one feed point either that or 17 and 12m moxon design. I have found this image on UY5BC page but i'm unable to establish contact with him to ask the questions. Here is the antenna I was thinking of:

LINK IMAGE HERE

Can any one provide me with info on this antenna. design construction details or where I could find websites with similar designs? Any help will be great

thanks

73 de GMØOBX Billy

33835. RE: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 13:02:33 UTC
From: Gary H. Harmon, Jr.
Topic: 33822 Message: 33835

I am one of the moderators and I am seeing zero issues on my end.

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 7:56 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

I know it SHOULDN'T make a difference, but it appears that perhaps it does. As I said, I am seeing none of the problems you all are seeing.

Rick WA1RKT

[Non-text portions of this message have been removed]

33836. Re: one of the Best Antenna Book sites

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 13:13:05 UTC
From: A
Topic: 33805 Message: 33836

Dale, yes i have used Amazon, with success on used books , one of which i ordered this week, i put up that site in the back of my mind using it to easily find Good Antenna Books, and yes, the ARRL also has lists , CQ Mag also has one on Baluns that is very good much cheaper than Amazon in this case , so you have to shop a little , this particular book is older and very expensive on Amazon, luckily i read a review from a fellow Ham that mentioned to buy this book at CQ Mag. Thanks for the tip , we all need to share all so that we learn and advance our knowledge , 73s, AJ W5HEH

33837. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 13:42:59 UTC
From: schwartzj22@...
Topic: 33777 Message: 33837

Dave,

OK on all your info.

The model I sent before should have:
hgh=13.7160 'antenna height
SY len=26.8224 'antenna length

But all else is the same and is my model that I have used for the doublet.

Sometime today I will run a one wire model with source in the middle.
That should tell us what we need to know.

Tks,
Joel - N3GSE

33838. Re: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:05:30 UTC
From: dalecole3502@...
Topic: 33822 Message: 33838

No. Am posting through my home mail on comcast.net. However, this problem has shown up only recently. It is funny that only two out of five have this problem. This one and N3FJP Software. I do post ham-antennas@yahoogroups.com . When I make a reply it still does the same. I have posted a test to myself, and it comes out correctly.

Maybe as suggested, this is a YAHOO problem I do have a nephew that uses this computer, that I can have try to send me a message from his msn account. (don't worry, at 32 he only uses it fro very limited purposes i.e. ebay, netflix orders, car ads).

Dale K8TS

----- Original Message -----

From: "Name, Full" <ham-antennas@yahoogroups.com>
To: "Name, Full" <ham-antennas@yahoogroups.com>
Sent: Wednesday, September 3, 2014 8:12:37 AM
Subject: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Are you guys posting via email, i.e. to "ham-antennas@yahoogroups.com"? I'm posting via the Yahoo ham-antennas web page. Maybe that's the difference.

Rick WA1RKT

33839. WØDR

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:23:01 UTC
From: Dave
Topic: 33839 Message: 33839

Hi Gents - Just testing what is happening or not on my machine -
Thanks Dave / WØDR

33840. RE: [ham-antennas] WØDR

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:24:14 UTC
From: Billy McFarland
Topic: 33839 Message: 33840

Working fine

73 Billy
GM0OBX

33841. RE: [ham-antennas] WØDR

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:25:54 UTC
From: Dave
Topic: 33839 Message: 33841

Thanks Billy – I don’t see any problem here but just checking – TNX AGN - DR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 9:24 AM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] WØDR

Working fine

73 Billy
GM0OBX

From: 'Dave' w0dr@charter.net [ham-antennas] <ham-antennas@yahoogroups.com>;
To: <ham-antennas@yahoogroups.com>;
Subject: [ham-antennas] WØDR
Sent: Wed, Sep 3, 2014 2:23:01 PM

Hi Gents - Just testing what is happening or not on my machine - Thanks Dave / WØDR

33842. Re: [ham-antennas] 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:54:50 UTC
From: Don Sanders
Topic: 33834 Message: 33842

I don't know specifics on this version of the moxon. Perhaps you can find
more info on the Moxon Project web site.
From the picture it appears to be a 17 meter moxon with a 12 meter DE
spaced about 6 inches in front of the 17 meter DE and paracitically
excited. The 12 meter DIR is in front of the 12 DE by about 3 feet, about
.1 Wave.

Don HC4/W4BWS

On Wed, Sep 3, 2014 at 8:01 AM, Billy McFarland gm0obx@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> Hello All,
>
> I was thinking of making and antena for 17m and 12m. The full size
> elements of the 17m yagi are just to big for my QTH. So I was thinking of a
> 17m moxon with a 12m yagi antenna design one feed point either that or 17
> and 12m moxon design. I have found this image on UY5BC page but i'm unable
> to establish contact with him to ask the questions. Here is the antenna I
> was thinking of:
>
> LINK IMAGE HERE
> <https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcQtpltb0NhTbFA-IZ9WYZ-f9QoCHnPe6dj
GegKm-Ctk7XOLYUb0>
>
> Can any one provide me with info on this antenna. design construction
> details or where I could find websites with similar designs? Any help will
> be great
>
> thanks
>
> *73 de GMØOBX Billy*
>
>
>

--
Dr. Don W4BWS

33843. RE: [ham-antennas] 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 14:56:11 UTC
From: Mark Stern
Topic: 33834 Message: 33843

There is a Moxon app for iphone that does the calcs

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 10:55 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 17m moxon with 2 ele 12m yagi antenna

I don't know specifics on this version of the moxon. Perhaps you can find more info on the Moxon Project web site.
From the picture it appears to be a 17 meter moxon with a 12 meter DE spaced about 6 inches in front of the 17 meter DE and paracitically excited. The 12 meter DIR is in front of the 12 DE by about 3 feet, about .1 Wave.

Don HC4/W4BWS

On Wed, Sep 3, 2014 at 8:01 AM, Billy McFarland gm0obx@...<mailto:gm0obx@...>
[ham-antennas] <ham-antennas@yahoogroups.com<mailto:ham-antennas@yahoogroups.com>> wrote:

Hello All,

I was thinking of making and antena for 17m and 12m. The full size elements of the 17m yagi are just to big for my QTH. So I was thinking of a 17m moxon with a 12m yagi antenna design one feed point either that or 17 and 12m moxon design. I have found this image on UY5BC page but i'm unable to establish contact with him to ask the questions. Here is the antenna I was thinking of:

LINK IMAGE HERE<https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcQtpltb0NhTbFA-IZ9WYZ-f9QoCHnPe6djGegKm-Ctk7XOLYUb0>

Can any one provide me with info on this antenna. design construction details or where I could find websites with similar designs? Any help will be great

thanks
73 de GMØOBX Billy

--
Dr. Don W4BWS

33844. RE: [ham-antennas] 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 15:00:36 UTC
From: Billy McFarland
Topic: 33834 Message: 33844

Hi guys thanks for the replies.

I've had a look on that website but there's nothing covering this antenna. Moxon and yagi combo for 17m and 12m.

I've use the antenna calculator for the moxon but not seen or used one for the spacing of the 12m yagi.

I think your correct, it's only fed at the 17m moxon but just an open sleeve on 12m.

73 Billy
GM0OBX

33845. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 17:21:52 UTC
From: schwartzj22@...
Topic: 33777 Message: 33845

Dave,

Perfect! You nailed it!! No more impedance differences.

I just learned a lot.

Thank you,
Joel - N3GSE

33846. RE: [ham-antennas] WØDR

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 17:22:43 UTC
From: Richard Schmuke
Topic: 33839 Message: 33846

Looks good here so we must be on the same side band, hihi,

Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 9:23 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] WØDR

Hi Gents - Just testing what is happening or not on my machine - Thanks Dave
/ WØDR

[Non-text portions of this message have been removed]

33847. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 17:26:57 UTC
From: schwartzj22@...
Topic: 33777 Message: 33847

Dale,

I missed your reply here. Thank you.

For the G5RV the 4nec2 part of is the same. Just use the single wire fed in the middle. Correct?

Tks,
Joel - N3GSE

33848. RE: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 17:44:09 UTC
From: Richard Schmuke
Topic: 33775 Message: 33848

Walt, for my background with verticals if you mount low and have “ground” radials you need several for good performance and the do not have to be a exact length. With a raised feed point I have found you will only need 3 or 4 per band and the have to be the correct length for your transmitting frequency. I once mounted a full size 40 meter vertical 20ft high in the center of my 55x70 steel roof over my pole barn but I had to add 4 33ft radials for good performance. I am not familiar on how a 27 Mhz antenna could be used as a 28 to 7 MHz antenna without a remote auto-tuner at the base. My only 10 to 40 vertical has had traps.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 5:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Lots of good information given, and I thank all of you who contributed. But on the less technical side (because most of the articles are very technical in nature) I simply wanted to know if mounting this multiband antenna on the roof would work with any decent results. I do not plan to have a lot of wire radials on top of the roof or in the attic, but I can have some aluminum radials attached to the base of the antenna.

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, September 02, 2014 12:56 PM

To: ham-antennas@...m

Subject: [ham-antennas] Vertical questions

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8143 - Release Date: 09/02/14

[Non-text portions of this message have been removed]

33849. Re: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:10:23 UTC
From: Jim Innis
Topic: 33822 Message: 33849

Dale this is what I am getting in the "From" of your posting. I am posting this via the reflector.

dalecole3502@... [ham-antennas]

However, if I click reply to your posting, the To: becomes ham-antennas@yahoogroups.com.

It appears that they are adding the senders email address to the From, and leaving the Reply-To address as it is.

Jim, K5SP

On 9/3/2014 9:05 AM, dalecole3502@... [ham-antennas] wrote:
>
> No. Am posting through my home mail on comcast.net. However, this
> problem has shown up only recently. It is funny that only two out of
> five have this problem. This one and N3FJP Software. I do post
> ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>.
> When I make a reply it still does the same. I have posted a test to
> myself, and it comes out correctly.
>
> Maybe as suggested, this is a YAHOO problem I do have a nephew that
> uses this computer, that I can have try to send me a message from his
> msn account. (don't worry, at 32 he only uses it fro very limited
> purposes i.e. ebay, netflix orders, car ads).
>
> Dale K8TS
>
>
> ---
> *From: *"Name, Full" <ham-antennas@yahoogroups.com>
> *To: *"Name, Full" <ham-antennas@yahoogroups.com>
> *Sent: *Wednesday, September 3, 2014 8:12:37 AM
> *Subject: *[ham-antennas] Re: HELP !! Mister Moderator Please--Email
> Problems
>
> Are you guys posting via email, i.e. to
> "ham-antennas@yahoogroups.com"? I'm posting via the Yahoo
> ham-antennas web page. Maybe that's the difference.
>
>
> Rick WA1RKT
>
>

33850. Re: [ham-antennas] HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:45:30 UTC
From: Alex Netherton
Topic: 33822 Message: 33850

Start with "FUBAR AKA: YAHOO!"

And FREE AKA: COSTS YOU NOTHING.

If we were paying for the service, I would complain. Like HRD. If I am still running the free version, I cannot complain. If I buy the current one, and have problems, I will complain loudly.

I know we are supposed to be "paying" by having ads, but I am using Chrome with "AdBlock Plus". SO I am really getting it for free.

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Wed, Sep 3, 2014 at 12:30 AM, dalecole3502@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Somehow a bug got into my email system--all emails from this group read in
> the "from" column as "Name, Full". That's it. No knowledge of where/who
> it is coming from The subject line reads ok and as it should, no
> problems. I don't know where to start looking. If you reply to me
> directly off the reflector, it should come through correctly. However, if
> it is posted to the board, I will have to open it up just as all posts. I
> posted a reply to a post this evening and it even came back as "Name,Full"
> Any ideas?
> dalecole3502@comcast.net
>
>
> Dale K8TS
>
>
>

33851. Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:47:31 UTC
From: N7RJN@...
Topic: 33851 Message: 33851

I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.

My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?

I can provide a picture of the architectural finial to any one that is interested?

Thanks and 73,

Bob

33852. Re: [ham-antennas] Re: HELP !! Mister Moderator Please--Email Problems

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:47:43 UTC
From: Kenneth G. Gordon
Topic: 33822 Message: 33852

Gents:

Look up DMARC on the web.

There was at least one post from a moderator some time ago on this issue. It is normal.

Ken W7EKB

33853. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:50:57 UTC
From: Alex Netherton
Topic: 33775 Message: 33853

Tha Gap Eagle is not cheap at $300. I have been going like crazy since I put up my Eagle One. With only about 20 feet of feed line, I do not lose much power, and using a tuner, I can tune quite nicely from 40 to 10. Price, $130.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Mon, Sep 1, 2014 at 6:14 PM, k9jfk@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Keith,
>
> Quarter wave antennas need radials, lots of them, to make them "immune" to
> their mounted locations. "Everything" has changed since you have went to a
> different mounting location: angle of the radial, height above ground, etc,
> etc. Only "cure" is to tune the antenna in its present location from
> scratch.
>
> My BTV is ground mounted and was adjusted using an MFJ259B. The drastic
> changes slowed down above 16 quarter wave 80m radials, but didn't
> "stabilize" until I hit the 30 to 50 range. I stopped adding radials at
> 54... the point of diminishing returns.
>
> So, add some more radials and check the swr while doing so; if adding
> radials doesn't work, then tune the antenna band by band.
>
> Sorry for the bad news...
> 73, Jimmie, K9JFK
>
>
> ---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :
>
> First, I have been considering either purchasing an Gap Eagle DX or a Hy
> Gain AV640. I was wondering if anyone in the group has owned both and what
> their experiences are with either, and or the benefits over other verticals
> for either one.
>
> Second question, I am having significant issues with tuning my elevated
> 5btv at my rental home as I am very limited in term of laying down radials.

>
> Some history, I had this antenna mounted in similar fashion, elevated with
> limited radials and it was tuned perfectly. I assembled exactly the same
> way as it was and it marked it the same with a sharpie and now everything
> is wide off the mark mostly much higher above the desired band for example
> on 20m it is at 1.6:1 at 14.900 MHz. All other bands are widely off or no
> where near 2:1. I wonder if the antenna was damaged due to the move. The
> only other difference in addition to moving the antenna was that I added
> the DX engineering U239 add on feature so I could connect coax directly. I
> have also tried two different lines of coax and added new batteries to my
> mfj259b to make sure it was not the culprit of giving false info.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>

33854. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:54:00 UTC
From: Walt Wilson
Topic: 33775 Message: 33854

Well I found information pertaining to this type of conversion over a year ago. Most of those trying it were using old discarded antenna's to start with. I found two NOS in the box antennas. Following the instructions I lengthened the upright with some old spare parts, eliminated the original coil in the base (wire only) and added a coax connec tor that fed the upright at the the lowest point above where it used ubolt's to attach it to a mast. I used a 4:1 UNUN at the coax attachment point, ground mounted it with about 16 wire radials and had good success with my ICOM PRO with built in tuner. After a pretty severe wind storm I found some issues and decided to take it down. While I have the "new" one still not installed, I thought I might try roof mounting it for comparison. BTW, it worked 10 through 40 meters quite well, no remote tuner, no traps
Sent: Wednesday, September 03, 2014 1:44 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical questions

Walt, for my background with verticals if you mount low and have "ground" radials you need several for good performance and the do not have to be a exact length. With a raised feed point I have found you will only need 3 or 4 per band and the have to be the correct length for your transmitting frequency. I once mounted a full size 40 meter vertical 20ft high in the center of my 55x70 steel roof over my pole barn but I had to add 4 33ft radials for good performance. I am not familiar on how a 27 Mhz antenna could be used as a 28 to 7 MHz antenna without a remote auto-tuner at the base. My only 10 to 40 vertical has had traps.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 5:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Lots of good information given, and I thank all of you who contributed. But on the less technical side (because most of the articles are very technical in nature) I simply wanted to know if mounting this multiband antenna on the roof would work with any decent results. I do not plan to have a lot of wire radials on top of the roof or in the attic, but I can have some aluminum radials attached to the base of the antenna.

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, September 02, 2014 12:56 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Vertical questions

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or

desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8143 - Release Date: 09/02/14

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8146 - Release Date: 09/03/14

33855. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 18:54:33 UTC
From: Kenneth G. Gordon
Topic: 33851 Message: 33855

On 3 Sep 2014 at 11:47, N7RJN@... [ham-antennas] wrote:

> My question is would the high density polyurethane significantly absorb any of
> the 70cm radiation, thus reducing the efficiency of the antenna? Also, would
> this tend to change the tuning of the antenna?

If you put a piece of it in the microwave oven and cook it on high for at least
a minute, and it does NOT heat up, then it will not cause any problems for
your antenna either.

Ken W7EKB

33856. Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 19:17:18 UTC
From: w6jhb@...
Topic: 33851 Message: 33856

Bob - there -may- be a difference between restrictions and enforcement.I also live in a sub-division where our CC&R's specifically say "no ham antennas". However, the HOA does not go after "minor" infractions. I'd be willing to bet that putting up a 90 foot tower would roust the troops, but some well placed, semi-hidden stealth antennas don't normally bother anyone. Of course, if you've been feuding with your neighbors - things are different! We moved into our QTH nearly four years ago. I asked the neighbors on either side of us if they'd have a problem with my stringing up some thin wire antennas. I also told them what it was for, AND if they encountered any TVI/RFI to please let me know ASAP. No one objected.

I currently have an 88 foot long doublet strung through the trees, an 80 meter Inverted L, a 160 meter Inverted L, a 5/4 wave 2 meter vertical, and a ground mounted Hustler 5BTV. I usually run 60 - 100 watts, but occasionally crank up the Elecraft KPA500 amp to 500 watts and have never had an issue. The wire antennas are made from either #26 or #22 wire and are very, very difficult to see. Granted, having a bunch of 60 foot tall redwood trees is a big help, but the wires do run between them.

Are your HOA/CC&R folks hard-nosed or do they tend to not bother with the small things?

Jim / W6JHB
Folsom, CA

33857. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 19:18:54 UTC
From: Dale Miller
Topic: 33777 Message: 33857

On 9/3/2014 12:26 PM, schwartzj22@... [ham-antennas] wrote:
>
>
> Dale,
>
> I missed your reply here. Thank you.
>
> For the G5RV the 4nec2 part of is the same. Just use the single wire
> fed in the middle.
> Correct?
>
> Tks,
> Joel - N3GSE
>
>
>

Nope....G5RV if fed according to G5RV will be open wire feedline so you
would make 2 wires with an open wire feedline in the middle.
Then the open wired goes down the specified amount according to the
version your dealing with.
Then the source can go there or add in the coax and put the source wire
there.
Just depends on what data you want to see.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

33858. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 19:39:31 UTC
From: Robert Nobis
Topic: 33851 Message: 33858

Jim,

Thanks for your response. My HOA is rather strict, so I really need to disguise my UHF vertical.

That’s why I am looking at hiding it in an Architectrual Finial.

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 12:17, w6jhb@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Bob - there -may- be a difference between restrictions and enforcement.I also live in a sub-division where our CC&R's specifically say "no ham antennas". However, the HOA does not go after "minor" infractions. I'd be willing to bet that putting up a 90 foot tower would roust the troops, but some well placed, semi-hidden stealth antennas don't normally bother anyone. Of course, if you've been feuding with your neighbors - things are different! We moved into our QTH nearly four years ago. I asked the neighbors on either side of us if they'd have a problem with my stringing up some thin wire antennas. I also told them what it was for, AND if they encountered any TVI/RFI to please let me know ASAP. No one objected.
>
>
> I currently have an 88 foot long doublet strung through the trees, an 80 meter Inverted L, a 160 meter Inverted L, a 5/4 wave 2 meter vertical, and a ground mounted Hustler 5BTV. I usually run 60 - 100 watts, but occasionally crank up the Elecraft KPA500 amp to 500 watts and have never had an issue. The wire antennas are made from either #26 or #22 wire and are very, very difficult to see. Granted, having a bunch of 60 foot tall redwood trees is a big help, but the wires do run between them.
>
> Are your HOA/CC&R folks hard-nosed or do they tend to not bother with the small things?
>
> Jim / W6JHB
> Folsom, CA
>
>

33859. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 19:41:59 UTC
From: Robert Nobis
Topic: 33851 Message: 33859

Ken,

Thank you. That’s a great idea. I will try the microwave tonight.

73,

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 11:54, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> On 3 Sep 2014 at 11:47, N7RJN@... [ham-antennas] wrote:
>
> > My question is would the high density polyurethane significantly absorb any of
> > the 70cm radiation, thus reducing the efficiency of the antenna? Also, would
> > this tend to change the tuning of the antenna?
>
> If you put a piece of it in the microwave oven and cook it on high for at least
> a minute, and it does NOT heat up, then it will not cause any problems for
> your antenna either.
>
> Ken W7EKB
>
>

33860. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 19:58:02 UTC
From: schwartzj22@...
Topic: 33777 Message: 33860

Dale,

Are you using EZNEC? 4nec2 doesn't do transmission lines.

Joel - N3GSE

33861. Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 20:13:51 UTC
From: Jay Burgherr
Topic: 33851 Message: 33861

It will probably be radiolucent, however it may have an effect to the velocity of the antenna. Therefore, you may need to adjust the length of the antenna appropriately to correct for the new velocity factor.

--
Jay Burgherr , N0FB
Jay@...

No trees were killed from sending this e-mail, however...many millions of electrons were severely inconvenienced!!

33862. RE: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 20:58:05 UTC
From: Joe Wolfe
Topic: 33851 Message: 33862

Have you looked at the Ventanna? I know a number of HOA owners who use that antenna for repeater communications here in Reno!

To answer your question…for VHF-UHF you should be just fine getting through the poly.

Joe – W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.

My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?

I can provide a picture of the architectural finial to any one that is interested?

33863. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 21:02:22 UTC
From: Robert Cavanaugh
Topic: 33851 Message: 33863

Bob,
You might also look at the Ventenna, which is designed to look like an exhaust vent mounted on your roof. I have read on the other sites that some hams have taken the idea and adapted it. Nothing is better than being able to hide something in plain view.

My HOA are sticklers as well. I got my licence last Jan. and have not yet figured out a permanent solution for my place. Keep at it.

73,
Bob Cavanaugh - AG6YK

On Wednesday, September 3, 2014 12:39 PM, "Robert Nobis N7RJN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Jim,

Thanks for your response. My HOA is rather strict, so I really need to disguise my UHF vertical.

That’s why I am looking at hiding it in an Architectrual Finial.

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 12:17, w6jhb@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Bob - there -may- be a difference between restrictions and enforcement.I also live in a sub-division where our CC&R's specifically say "no ham antennas". However, the HOA does not go after "minor" infractions. I'd be willing to bet that putting up a 90 foot tower would roust the troops, but some well placed, semi-hidden stealth antennas don't normally bother anyone. Of course, if you've been feuding with your neighbors - things are different! We moved into our QTH nearly four years ago. I asked the neighbors on either side of us if they'd have a problem with my stringing up some thin wire antennas. I also told them what it was for, AND if they encountered any TVI/RFI to please let me know ASAP. No one objected.
>
>
>I currently have an 88 foot long doublet strung through the trees, an 80 meter Inverted L, a 160 meter Inverted L, a 5/4 wave 2 meter vertical, and a ground mounted Hustler 5BTV. I usually run 60 - 100 watts, but occasionally crank up the Elecraft KPA500 amp to 500 watts and have never had an issue. The wire antennas are made from either #26 or #22 wire and are very, very difficult to see. Granted, having a bunch of 60 foot tall redwood trees is a big help, but the wires do run between them.
>
>
>Are your HOA/CC&R folks hard-nosed or do they tend to not bother with the small things?
>

>
>Jim / W6JHB
>Folsom, CA
>
>

33864. RE: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 21:04:03 UTC
From: Joe Wolfe
Topic: 33851 Message: 33864

Bob..

Another solution would be a flagpole. Your HOA may say no, but it is unenforceable. The courts will not rule against someone flying the American Flag. Famous SCOTUS ruling there that stemmed from a Vet in Florida, who wanted to fly a flag, on a pole..HOA said no, the coursts ultimately said yes. (The fact he was a MOH awardee helped his cause!)

Joe - W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Jim,

Thanks for your response. My HOA is rather strict, so I really need to disguise my UHF vertical.

That's why I am looking at hiding it in an Architectrual Finial.

Bob - N7RJN

n7rjn@...

33865. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 21:53:51 UTC
From: Robert Garland
Topic: 33851 Message: 33865

A quick check online only yields answers from companies treating their polyurethane foam with graphite to make intentional RF absorbers.

I did not have any luck finding the cross-section of architectural polyurethane foam.

Polyurethane without any contaminants intended to absorb RF should have properties similar to any other insulator. Just as insulation on wires affects the tuning, I would expect foam around the antenna to affect the tuning.

If you have free or cheap access to both the antenna and the finial, this looks like a time for some experimentation. If you can identify the characteristics of the finial material, you might find the same material in another form factor at a price that encourages experimentation. PVC is used in many instances to protect antennas, so I would not expect significant problems from the internal PVC tube, unless it is also treated.

<snip>
>
> My question is would the high density polyurethane significantly absorb
> any of the 70cm radiation, thus reducing the efficiency of the antenna?
> Also, would this tend to change the tuning of the antenna?

--
Robert, NX3S

33866. Re: [ham-antennas] Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 22:17:43 UTC
From: Dale Miller
Topic: 33777 Message: 33866

On 9/3/2014 2:58 PM, schwartzj22@... [ham-antennas] wrote:
>
>
> Dale,
>
> Are you using EZNEC? 4nec2 doesn't do transmission lines.
>
> Joel - N3GSE
>

Nope it's 4nec2.

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

33867. Re: Two different values for impedance in 4nec2

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 22:41:26 UTC
From: schwartzj22@...
Topic: 33777 Message: 33867

Dale,

OK. I always did the 4nec2 model without a TL then used TLW3 for the rest of it.
More to check out.

Tks,
Joel - N3GSE

33868. Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 23:25:35 UTC
From: mwallred@...
Topic: 33851 Message: 33868

The best test would be if you could get an identical finial and try the antenna in and out of it without having to climb up on the roof or even in a blazing hot attic. Not that I would ever suggest it, but you could always return the item after testing, or just keep it as a spare.

Regardless of what many/most people say, PVC does have a blocking effect on RF. Maybe not at UHF frequencies, I can't remember. They use HF in factories to soften/melt PVC because it absorbs RF at those frequencies. Usually they use 27.120 MHz so I'd say that PVC would be a poor choice for enclosing a 10m antenna.

Testing material in a microwave will only tell you if that material will absorb RF in the vicinity of 2.45 GHz, which is what the oven is using to warm food. That's quite a way off from 440MHz...

Marty
AG3EK

---In ham-antennas@yahoogroups.com, <N7RJN@...> wrote :

I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.

My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?

I can provide a picture of the architectural finial to any one that is interested?

Thanks and 73,

Bob

33869. AW: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 23:35:51 UTC
From: siegfried jackstien
Topic: 33851 Message: 33869

```
>
>
> The best test would be if you could get an identical finial and try the
> antenna in and out of it without having to climb up on the roof or even in
> a blazing hot attic. Not that I would ever suggest it, but you could
> always return the item after testing, or just keep it as a spare.
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> Regardless of what many/most people say, PVC does have a blocking effect
> on RF. Maybe not at UHF frequencies, I can't remember. They use HF in
> factories to soften/melt PVC because it absorbs RF at those frequencies.
> Usually they use 27.120 MHz so I'd say that PVC would be a poor choice for
> enclosing a 10m antenna.
>
> Testing material in a microwave will only tell you if that material will
> absorb RF in the vicinity of 2.45 GHz, which is what the oven is using to
> warm food. That's quite a way off from 440MHz...
>
> Marty
> AG3EK
>
```

Pvc can be used for uhf ... and for 10m also

.... I worked in a plastic company (we made tent materials and similar things) ... or in other words plastic on woven fabric

For melting them together we use 1.5kw (2 big power tubes) with two electrodes and the pvc material clamped in between them (forming the dielectric material in a cap

Yes there are losses ... but 1.5kw on a few square inch ... no wonder the pvc melted in seconds

Antenna covered in a tube is a different thing

I would just try it out

If antenna in the tube works (and fits the view) the better use this as no antenna at all

I would hide a vhf uhf antenna in a vent tubing on the roof

And install a flagpole with remote tuner (maybe with an extension wire at the top for lower bands)

That would be most bang for the buck and is "nearly" invisible (so should not upset hoa)

Dg9bfc

Sigi

33870. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 23:49:45 UTC
From: Kevin Kleinfelter
Topic: 33851 Message: 33870

Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.

That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.
Kevin / K4KPK

On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I live in a community with an HOA that has some significant restrictions
> on installation of antennas. On the peak of my roof, there is an
> architectural finial made from high density polyurethane. This finial is
> about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down
> the middle that I could install a a 70cm antenna inside, thus hiding the
> antenna.
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> My question is would the high density polyurethane significantly absorb
> any of the 70cm radiation, thus reducing the efficiency of the antenna?
> Also, would this tend to change the tuning of the antenna?
>
> I can provide a picture of the architectural finial to any one that is
> interested?
>
> Thanks and 73,
>
>
> Bob
>
>

33871. Re: AW: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-03 23:55:23 UTC
From: Mel Farrer
Topic: 33851 Message: 33871

PVC is not a good choice for any high power RF field. On another world I did a lot of manufacturing with all kinds of plastics and PVC was one of the first we rejected for any high RF field. In HF 3.8 MHz 1 KW will cause a fire in the material, not in the current field but in the higher voltage area like a supporting standoff up on a vertical personal experience. Now low power VHF/UHF and if the antenna is spaced away from direct contact, I would suggest you would not be able to easily measure the loss. Ala the Ventanna for Vhf/UHF use.

Mel, K6KBE

On Wednesday, September 3, 2014 4:38 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> The best test would be if you could get an identical finial and try the
> antenna in and out of it without having to climb up on the roof or even in
> a blazing hot attic. Not that I would ever suggest it, but you could
> always return the item after testing, or just keep it as a spare.
>
> Regardless of what many/most people say, PVC does have a blocking effect
> on RF. Maybe not at UHF frequencies, I can't remember. They use HF in
> factories to soften/melt PVC because it absorbs RF at those frequencies.
> Usually they use 27.120 MHz so I'd say that PVC would be a poor choice for
> enclosing a 10m antenna.
>
> Testing material in a microwave will only tell you if that material will
> absorb RF in the vicinity of 2.45 GHz, which is what the oven is using to
> warm food. That's quite a way off from 440MHz...
>
> Marty
> AG3EK
>

Pvc can be used for uhf ... and for 10m also

.... I worked in a plastic company (we made tent materials and similar things) ... or in other words plastic on woven fabric

For melting them together we use 1.5kw (2 big power tubes) with two electrodes and the pvc material clamped in between them (forming the dielectric material in a cap

Yes there are losses ... but 1.5kw on a few square inch ... no wonder the pvc melted in seconds

Antenna covered in a tube is a different thing

I would just try it out

If antenna in the tube works (and fits the view) the better use this as no antenna at all

I would hide a vhf uhf antenna in a vent tubing on the roof

And install a flagpole with remote tuner (maybe with an extension wire at the top for lower bands)

That would be most bang for the buck and is "nearly" invisible (so should not upset hoa)

Dg9bfc

Sigi

33872. Re: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:02:20 UTC
From: Robert Nobis
Topic: 33851 Message: 33872

Hi Mel,

Thank you for your comments. This is a low power (25-watts max) VHF/UHF application for 2 meters and 70cm.

73,

Bob - N7RJN
n7rjn@nobis.net

On Sep 3, 2014, at 16:55, Mel Farrer farrerfolks@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> PVC is not a good choice for any high power RF field. On another world I did a lot of manufacturing with all kinds of plastics and PVC was one of the first we rejected for any high RF field. In HF 3.8 MHz 1 KW will cause a fire in the material, not in the current field but in the higher voltage area like a supporting standoff up on a vertical personal experience. Now low power VHF/UHF and if the antenna is spaced away from direct contact, I would suggest you would not be able to easily measure the loss. Ala the Ventanna for Vhf/UHF use.
>
> Mel, K6KBE
>
>
> On Wednesday, September 3, 2014 4:38 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> >
> >
> > The best test would be if you could get an identical finial and try the
> > antenna in and out of it without having to climb up on the roof or even in
> > a blazing hot attic. Not that I would ever suggest it, but you could
> > always return the item after testing, or just keep it as a spare.
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> > Regardless of what many/most people say, PVC does have a blocking effect
> > on RF. Maybe not at UHF frequencies, I can't remember. They use HF in
> > factories to soften/melt PVC because it absorbs RF at those frequencies.
> > Usually they use 27.120 MHz so I'd say that PVC would be a poor choice for
> > enclosing a 10m antenna.
> >
> > Testing material in a microwave will only tell you if that material will
> > absorb RF in the vicinity of 2.45 GHz, which is what the oven is using to
> > warm food. That's quite a way off from 440MHz...

> >
> > Marty
> > AG3EK
> >
>
> Pvc can be used for uhf ... and for 10m also
>
> .... I worked in a plastic company (we made tent materials and similar
> things) ... or in other words plastic on woven fabric
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> For melting them together we use 1.5kw (2 big power tubes) with two
> electrodes and the pvc material clamped in between them (forming the
> dielectric material in a cap
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> Yes there are losses ... but 1.5kw on a few square inch ... no wonder the
> pvc melted in seconds
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> Antenna covered in a tube is a different thing
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> If antenna in the tube works (and fits the view) the better use this as no
> antenna at all
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> And install a flagpole with remote tuner (maybe with an extension wire at
> the top for lower bands)
>
> That would be most bang for the buck and is "nearly" invisible (so should
> not upset hoa)
>
> Dg9bfc
>
> Sigi
>
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>
>
>

33873. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:08:50 UTC
From: Robert Nobis
Topic: 33851 Message: 33873

Kevin,

Thank you for your comments. Neither an indoor nor an antenna in the attic will work at my QTH. The house is stuccoed so has “chicken wire" in the outside walls. Also the entire roof has an aluminum radiation barrier for energy efficiency.

One additional issue at my location is that I need to get the antenna at the peak of my roof, because there is a large hill (actually a small mountain) between my QTH and the repeaters.

73,

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.
>
> That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.
> Kevin / K4KPK
>
>
> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
>
> My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>
> I can provide a picture of the architectural finial to any one that is interested?
>
> Thanks and 73,
>

>
> Bob
>
>
>
>

33874. Re: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:12:58 UTC
From: farrerfolks@...
Topic: 33851 Message: 33874

As long and the bottom radiating portion of the antenna is above the roof level in other words in the clear of the roof surface you should be fine. Go for it.

Mel, K6KBE

33875. Re: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:17:34 UTC
From: Joe
Topic: 33851 Message: 33875

Are you allowed a satellite dish for TV reception?

I was on the board of directors for a condo association here in Connecticut. We could not deny the installation of a satellite dish. Could you incorporate a stealth ham antenna on the same mount as the satellite dish? The mount would be there, so you would not be adding any additional mount for the ham antenna and the coax could follow the same run as the TV cable. Maybe a dual band mobile whip?

As a director I can say that we never really actively policed for violations. The only time we would take action would be an association liability situation or a resident complaint. We let sleeping dogs lie.

73, Joe, K1ike

33876. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:19:13 UTC
From: Don Sanders
Topic: 33851 Message: 33876

Assuming you a going to use a small vertical antenna, it would be better to put one temporarily on the roof and see if you can connect to the repeaters. If not you will have trouble unless you have a bigger antenna

On Wed, Sep 3, 2014 at 7:08 PM, Robert Nobis N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Kevin,
>
> Thank you for your comments. Neither an indoor nor an antenna in the
> attic will work at my QTH. The house is stuccoed so has “chicken wire" in
> the outside walls. Also the entire roof has an aluminum radiation barrier
> for energy efficiency.
>
> One additional issue at my location is that I need to get the antenna at
> the peak of my roof, because there is a large hill (actually a small
> mountain) between my QTH and the repeaters.
>
> 73,
>
>
> Bob - N7RJN
> n7rjn@...
>
>
>
>
> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> Rather than asking the question of whether or not the finial will
> attenuate your signal, maybe the better question is, "Will the finial
> attenuate signal more than the improvement I'll gain by moving from an
> indoor antenna to one in the finial?" Or maybe the better comparison is
> between the finial and your attic.
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> That is a question which can only be answered by trial and error. Even a
> bad antenna is better than a worse antenna.
> Kevin / K4KPK
>
>
> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@nobis.net [ham-antennas] <

> ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> I live in a community with an HOA that has some significant restrictions
>> on installation of antennas. On the peak of my roof, there is an
>> architectural finial made from high density polyurethane. This finial is
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>> any of the 70cm radiation, thus reducing the efficiency of the antenna?
>> Also, would this tend to change the tuning of the antenna?
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>> I can provide a picture of the architectural finial to any one that is
>> interested?
>>
>> Thanks and 73,
>>
>>
>> Bob
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>

--
Dr. Don W4BWS

33877. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:48:50 UTC
From: Kevin Kleinfelter
Topic: 33851 Message: 33877

If the finial doesn't work out, here's another idea. Maybe you could disguise it as... an antenna. Hear me out!

Since it is VHF, your elements will be short. You could take a plastic box, put an alarm company sticker on it, and mount it on a gable vent. Run a 1/4 wave stiff wire out the top and another out the bottom. You have a vertical dipole. If anyone asks, just mutter something about wanting your alarm system to work if the phone line is cut. But no one is going to ask because they'll just assume it is part of your burglar alarm.

If you live in a neighborhood that's snooty enough to prevent ham antennas, surely *everyone* has a burglar alarm.
Kevin / K4KPK

On Wed, Sep 3, 2014 at 8:19 PM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Assuming you a going to use a small vertical antenna, it would be better
> to put one temporarily on the roof and see if you can connect to the
> repeaters. If not you will have trouble unless you have a bigger antenna
>
>
> On Wed, Sep 3, 2014 at 7:08 PM, Robert Nobis N7RJN@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
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>>
>> Kevin,
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>> the outside walls. Also the entire roof has an aluminum radiation barrier
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>> the peak of my roof, because there is a large hill (actually a small
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>> Bob - N7RJN
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>> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@...
>> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Rather than asking the question of whether or not the finial will
>> attenuate your signal, maybe the better question is, "Will the finial
>> attenuate signal more than the improvement I'll gain by moving from an
>> indoor antenna to one in the finial?" Or maybe the better comparison is
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>> bad antenna is better than a worse antenna.
>> Kevin / K4KPK
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>> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <
>> ham-antennas@yahoogroups.com> wrote:
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>>>
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>>> I live in a community with an HOA that has some significant restrictions
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>>> architectural finial made from high density polyurethane. This finial is
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>>> any of the 70cm radiation, thus reducing the efficiency of the antenna?
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>>> I can provide a picture of the architectural finial to any one that is
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>>> Thanks and 73,
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>>> Bob
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> --
> Dr. Don W4BWS

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>
>

33878. RE: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 00:54:48 UTC
From: Richard Schmuke
Topic: 33775 Message: 33878

I am curious about this set up. I have built many verticals, J-Poles and slim jims, from 440Mhz to 3.5MHz and all different types of baluns, 1:1, 2:1 and 4:1 and have always tried for a resonate antenna for maximum power transfer. What type of SWR readings do you get with the antenna, readings without a tuner? What is the basic vertical length of you antenna? If you eliminated the coil in the base was it a 5/8wl vert, about 21ft before your change?

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 1:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Well I found information pertaining to this type of conversion over a year ago. Most of those trying it were using old discarded antenna’s to start with. I found two NOS in the box antennas. Following the instructions I lengthened the upright with some old spare parts, eliminated the original coil in the base (wire only) and added a coax connec

tor that fed the upright at the the lowest point above where it used ubolt’s to attach it to a mast. I used a 4:1 UNUN at the coax attachment point, ground mounted it with about 16 wire radials and had good success with my IC

OM PRO with built in tuner. After a pretty severe wind storm I found some issues and decided to take it down. While I have the “new” one still not installed, I thought I might try roof mounting it for comparison. BTW, it worked 10 through 40 meters quite well, no remote tuner, no traps

Sent: Wednesday, September 03, 2014 1:44 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical questions

Walt, for my background with verticals if you mount low and have “ground” radials you need several for good performance and the do not have to be a exact length. With a raised feed point I have found you will only need 3 or 4 per band and the have to be the correct length for your transmitting frequency. I once mounted a full size 40 meter vertical 20ft high in the center of my 55x70 steel roof over my pole barn but I had to add 4 33ft radials for good performance. I am not familiar on how a 27 Mhz antenna could be used as a 28 to 7 MHz antenna without a remote auto-tuner at the base. My only 10 to 40 vertical has had traps.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 5:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Lots of good information given, and I thank all of you who contributed. But on the less technical side (because most of the articles are very technical in nature) I simply wanted to know if mounting this multiband antenna on the roof would work with any decent results. I do not plan to have a lot of wire radials on top of the roof or in the attic, but I can have some aluminum radials attached to the base of the antenna.

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, September 02, 2014 12:56 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Vertical questions

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8143 - Release Date: 09/02/14

[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8146 - Release Date: 09/03/14

[Non-text portions of this message have been removed]

33879. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 01:20:58 UTC
From: Martin A Flynn
Topic: 33851 Message: 33879

Perhaps a 4" x 4" Outdoor Bell box with a blank cover (RAB 5333-0 as an example) with an NMO whip antenna, along with the alarm vendor sticker?

Martin
W2RWJ

On 9/3/2014 8:48 PM, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] wrote:

If the finial doesn't work out, here's another idea. Maybe you could disguise it as... an antenna. Hear me out!

Since it is VHF, your elements will be short. You could take a plastic box, put an alarm company sticker on it, and mount it on a gable vent. Run a 1/4 wave stiff wire out the top and another out the bottom. You have a vertical dipole. If anyone asks, just mutter something about wanting your alarm system to work if the phone line is cut. But no one is going to ask because they'll just assume it is part of your burglar alarm.

If you live in a neighborhood that's snooty enough to prevent ham antennas, surely *everyone* has a burglar alarm.

Kevin / K4KPK

On Wed, Sep 3, 2014 at 8:19 PM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Assuming you a going to use a small vertical antenna, it would be better to put one temporarily on the roof and see if you can connect to the repeaters. If not you will have trouble unless you have a bigger antenna

On Wed, Sep 3, 2014 at 7:08 PM, Robert Nobis N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Kevin,

Thank you for your comments. Neither an indoor nor an antenna in the attic will work at my QTH. The house is stuccoed so has “chicken wire" in the outside walls. Also the entire roof has an aluminum radiation barrier for energy efficiency.

One additional issue at my location is that I need to get the antenna at the peak of my roof, because there is a large hill (actually a small mountain) between my QTH and the repeaters.

73,

Bob - N7RJN

n7rjn@...

On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.

That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.

Kevin / K4KPK

On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.

My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?

33880. PROBLEM SOLVED!

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 01:26:42 UTC
From: dalecole3502@...
Topic: 33880 Message: 33880

After consulting with comcast, they found that "Full,Name" was associated with a email address of "ham-antennas....." Once the culprit addresses were deleted, all the names in the "from" column automatically turned to proper e-mailer. Took about 45 minutes to find and resolve.
Dale K8TS

33881. Re: 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 01:42:39 UTC
From: control@...
Topic: 33834 Message: 33881

Take a read up here -- http://www.eham.net/articles/507 http://www.eham.net/articles/507
Just change the 17m yagi to a moxon and place the 12m ele in front should do it ...

Also -- www.kg4jjh.com/pdf/Dual%20Band%20Wire%20Beam.pdf
http://www.kg4jjh.com/pdf/Dual%20Band%20Wire%20Beam.pdf

MOXON Antenna Project http://www.moxonantennaproject.com/msgboard.htm#04/22/04

http://www.moxonantennaproject.com/msgboard.htm#04/22/04

MOXON Antenna Project http://www.moxonantennaproject.com/msgboard.htm#04/22/04 ...listed in chronological order with newest message last.

View on www.moxonantenna... http://www.moxonantennaproject.com/msgboard.htm#04/22/04
Preview by Yahoo

Leon - 9Z4BM

33882. Re: 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 01:48:17 UTC
From: control@...
Topic: 33834 Message: 33882

Take a look at these pics on EAntenna 1217 moxon ... You can get some ideas --
EAntenna 1217MOX | EAntenna-The Best choice for your Antenna system
http://www.eantenna.es/?page_id=1782

http://www.eantenna.es/?page_id=1782

EAntenna 1217MOX | EAntenna-The Best choice f... http://www.eantenna.es/?page_id=1782 © 2006-2014 Angro Comunicaciones S.L. Brenes, Sevilla, Spain - All Rights Reserved Home HF Antenna VHF Antenna VERTICAL DIPOLES BALUN...

View on www.eantenna.es http://www.eantenna.es/?page_id=1782
Preview by Yahoo

Leon / 9Z4BM

33883. RE: [ham-antennas] Re: 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 01:48:48 UTC
From: Billy McFarland
Topic: 33834 Message: 33883

Leon,
Thanks for the reply I'll check out the websites

73 Billy
GM0OBX

33884. RE: [ham-antennas] Re: 17m moxon with 2 ele 12m yagi antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 02:24:57 UTC
From: Billy McFarland
Topic: 33834 Message: 33884

I saw that antenna Leon but I would rather have the elements straight for 12m and out with the 17m moxon. The one positive for the eantennas design is a shorter boom length.

73 Billy
GM0OBX

33885. Re: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 02:47:28 UTC
From: Walt Wilson
Topic: 33775 Message: 33885

Exactly correct on the height, before was 5/8 wave, 21 feet, after mods it was about 27 feet. Readings were 10 meter 1:1 swr, 15 was 2:1, 20 2:1, 40 was 2:1 before using the internal tuner. Not bad without the tuner. I will be checking everything before I try to mount it on the rooftop to be certain of all settings

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, September 03, 2014 8:54 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Vertical questions

I am curious about this set up. I have built many verticals, J-Poles and slim jims, from 440Mhz to 3.5MHz and all different types of baluns, 1:1, 2:1 and 4:1 and have always tried for a resonate antenna for maximum power transfer. What type of SWR readings do you get with the antenna, readings without a tuner? What is the basic vertical length of you antenna? If you eliminated the coil in the base was it a 5/8wl vert, about 21ft before your change?

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 1:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Well I found information pertaining to this type of conversion over a year ago. Most of those trying it were using old discarded antenna’s to start with. I found two NOS in the box antennas. Following the instructions I lengthened the upright with some old spare parts, eliminated the original coil in the base (wire only) and added a coax connector that fed the upright at the the lowest point above where it used ubolt’s to attach it to a mast. I used a 4:1 UNUN at the coax attachment point, ground mounted it with about 16 wire radials and had good success with my ICOM PRO with built in tuner. After a pretty severe wind storm I found some issues and decided to take it down. While I have the “new” one still not installed, I thought I might try roof mounting it for comparison. BTW, it worked 10 through 40 meters quite well, no remote tuner, no traps

Sent: Wednesday, September 03, 2014 1:44 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Vertical questions

Walt, for my background with verticals if you mount low and have “ground” radials you need several for good performance and the do not have to be a exact length. With a raised feed point I have found you will only need 3 or 4 per band and the have to be the correct length for your transmitting frequency. I once mounted a full size 40 meter vertical 20ft high in the center of my 55x70 steel roof over my pole barn but I had to add 4 33ft radials for good performance. I am not familiar on how a 27 Mhz antenna could be used as a 28 to 7 MHz

antenna without a remote auto-tuner at the base. My only 10 to 40 vertical has had traps.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 03, 2014 5:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Vertical questions

Lots of good information given, and I thank all of you who contributed. But on the less technical side (because most of the articles are very technical in nature) I simply wanted to know if mounting this multiband antenna on the roof would work with any decent results. I do not plan to have a lot of wire radials on top of the roof or in the attic, but I can have some aluminum radials attached to the base of the antenna.

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, September 02, 2014 12:56 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Vertical questions

I built a nice ground mounted aluminum vertical from a NOS CB antenna. Using a 4:1 UNUN it performed pretty well. Wind got it a while back and I had another identical antenna I am working on to convert it to a 10-40 antenna like the first. My question is what could I expect from this antenna if I roof mounted it, about 30 feet high? Is there a need or desire to have wire radials or could I use the solid aluminum radials as the original antenna specs. Just wondering if roof mounting would be as effective as the ground mount version? Any ideas would be a help

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[Non-text portions of this message have been removed]

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4015/8149 - Release Date: 09/03/14

33886. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:33:22 UTC
From: Robert Nobis
Topic: 33851 Message: 33886

Kevin,

That’s a great idea. In my situation it won’t work as well since I need to get the antenna as high as possible, without drawing undo attention. The final is mounted on the highest portion of my roof, so it is the ideal location, from a height standpoint.

One aspect of my location and the reason for getting as much height as possible is that there is a large hill in the line of sight between my QTH and the repeaters I am trying to hit. I currently get reasonably good results on 2 meters with my existing Ventenna, but performance on 70cm is poor.

Thank you and 73,

That is a great idea.
Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 17:48, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> If the finial doesn't work out, here's another idea. Maybe you could disguise it as... an antenna. Hear me out!
>
> Since it is VHF, your elements will be short. You could take a plastic box, put an alarm company sticker on it, and mount it on a gable vent. Run a 1/4 wave stiff wire out the top and another out the bottom. You have a vertical dipole. If anyone asks, just mutter something about wanting your alarm system to work if the phone line is cut. But no one is going to ask because they'll just assume it is part of your burglar alarm.
>
> If you live in a neighborhood that's snooty enough to prevent ham antennas, surely *everyone* has a burglar alarm.
> Kevin / K4KPK
>
>
> On Wed, Sep 3, 2014 at 8:19 PM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> Assuming you a going to use a small vertical antenna, it would be better to put one temporarily on the roof and see if you can connect to the repeaters. If not you will have trouble unless you have a bigger antenna
>
>
> On Wed, Sep 3, 2014 at 7:08 PM, Robert Nobis N7RJN@nobis.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Kevin,
>
>
> Thank you for your comments. Neither an indoor nor an antenna in the attic will work at my QTH. The house is stuccoed so has “chicken wire" in the outside walls. Also the entire roof has an aluminum radiation barrier for energy efficiency.
>
> One additional issue at my location is that I need to get the antenna at the peak of my roof, because there is a large hill (actually a small mountain) between my QTH and the repeaters.
>
> 73,
>
>
> Bob - N7RJN
> n7rjn@...
>
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>
>
> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>> Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.
>>
>> That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.
>> Kevin / K4KPK
>>
>>
>> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
>>
>> My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>>
>> I can provide a picture of the architectural finial to any one that is interested?
>>

>> Thanks and 73,
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>> Bob
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> --
> Dr. Don W4BWS
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33887. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:38:29 UTC
From: Robert Nobis
Topic: 33851 Message: 33887

Don,

Thank you. I have an existing Ventenna, but is not at the highest point on my roof. It does an acceptable job on 2meters, but is nearly useless on 70cm. I did a test with the Ventenna temporarily next to the architectural Final, and 70cm was significantly better. I was able to hit the two repeaters I needed to with full quieting, so I am sure my camouflaged finial antenna will do a good job.

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 17:19, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Assuming you a going to use a small vertical antenna, it would be better to put one temporarily on the roof and see if you can connect to the repeaters. If not you will have trouble unless you have a bigger antenna
>
>
> On Wed, Sep 3, 2014 at 7:08 PM, Robert Nobis N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Kevin,
>
>
> Thank you for your comments. Neither an indoor nor an antenna in the attic will work at my QTH. The house is stuccoed so has “chicken wire" in the outside walls. Also the entire roof has an aluminum radiation barrier for energy efficiency.
>
> One additional issue at my location is that I need to get the antenna at the peak of my roof, because there is a large hill (actually a small mountain) between my QTH and the repeaters.
>
> 73,
>
>
> Bob - N7RJN
> n7rjn@...
>
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> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>

>>
>> Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.
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>> That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.
>> Kevin / K4KPK
>>
>>
>> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
>>
>> My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>>
>> I can provide a picture of the architectural finial to any one that is interested?
>>
>> Thanks and 73,
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>> Bob
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> Dr. Don W4BWS
>
>

33888. Re: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:41:57 UTC
From: Robert Nobis
Topic: 33851 Message: 33888

Joe,

Thank you. Our HOA is fairly strict concerning anything that can be seen from the street. Several hams here have had to take down their antennas due to the HOA rule enforcement.

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 17:17, Joe k1ike_mail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Are you allowed a satellite dish for TV reception?
>
> I was on the board of directors for a condo association here in
> Connecticut. We could not deny the installation of a satellite dish.
> Could you incorporate a stealth ham antenna on the same mount as the
> satellite dish? The mount would be there, so you would not be adding
> any additional mount for the ham antenna and the coax could follow the
> same run as the TV cable. Maybe a dual band mobile whip?
>
> As a director I can say that we never really actively policed for
> violations. The only time we would take action would be an association
> liability situation or a resident complaint. We let sleeping dogs lie.
>
> 73, Joe, K1ike
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> ------------------------------------
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> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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33889. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:47:41 UTC
From: Robert Nobis
Topic: 33851 Message: 33889

Marty,

Thank you. I have temporarily mounted the antenna on my roof so I can easily access while running tests. I will be doing the testing tomorrow to see how well it works. I will also check the SWR performance over the full band to see if the PVC pipe and polyurethane impact the tuning.

Thank you and 73,

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 16:25, mwallred@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> The best test would be if you could get an identical finial and try the antenna in and out of it without having to climb up on the roof or even in a blazing hot attic. Not that I would ever suggest it, but you could always return the item after testing, or just keep it as a spare.
>
> Regardless of what many/most people say, PVC does have a blocking effect on RF. Maybe not at UHF frequencies, I can't remember. They use HF in factories to soften/melt PVC because it absorbs RF at those frequencies. Usually they use 27.120 MHz so I'd say that PVC would be a poor choice for enclosing a 10m antenna.
>
> Testing material in a microwave will only tell you if that material will absorb RF in the vicinity of 2.45 GHz, which is what the oven is using to warm food. That's quite a way off from 440MHz...
>
> Marty
> AG3EK
>
>
> ---In ham-antennas@yahoogroups.com, <N7RJN@...> wrote :
>
> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
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> My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>

> I can provide a picture of the architectural finial to any one that is interested?
>
> Thanks and 73,
>
>
> Bob
>
>

33890. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:49:40 UTC
From: Robert Nobis
Topic: 33851 Message: 33890

Robert,

Thank you. I had also done an online search, but didn’t find anything specific enough. I will do some testing and experiments tomorrow.

73,

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 14:53, 'Robert Garland' robert@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> A quick check online only yields answers from companies treating their
> polyurethane foam with graphite to make intentional RF absorbers.
>
> I did not have any luck finding the cross-section of architectural
> polyurethane foam.
>
> Polyurethane without any contaminants intended to absorb RF should have
> properties similar to any other insulator. Just as insulation on wires
> affects the tuning, I would expect foam around the antenna to affect the
> tuning.
>
> If you have free or cheap access to both the antenna and the finial, this
> looks like a time for some experimentation. If you can identify the
> characteristics of the finial material, you might find the same material
> in another form factor at a price that encourages experimentation. PVC is
> used in many instances to protect antennas, so I would not expect
> significant problems from the internal PVC tube, unless it is also
> treated.
>
> <snip>
> >
> > My question is would the high density polyurethane significantly absorb
> > any of the 70cm radiation, thus reducing the efficiency of the antenna?
> > Also, would this tend to change the tuning of the antenna?
>
> --
> Robert, NX3S
>
>
>

33891. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 03:57:43 UTC
From: Robert Nobis
Topic: 33851 Message: 33891

Joe,

My existing antenna is a Ventenna. Works reasonably well on 2 meters, but performance on 70cm is poor. I tried the Ventenna temporarily mounted next to the architectural final, and it work well on 70cm. The finial is at the highest point on my roof, so using the final to camouflage an antenna is probably my best solution. It is the highest point on my roof and is acceptable to the HOA, as it will look like all of my neighbors finials.

73,

Bob - N7RJN
n7rjn@...

On Sep 3, 2014, at 13:58, Joe Wolfe w7rkn.7@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Have you looked at the Ventanna? I know a number of HOA owners who use that antenna for repeater communications here in Reno!
>
>
>
> To answer your question…for VHF-UHF you should be just fine getting through the poly.
>
>
>
> Joe – W7RKN
>
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>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Subject: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical
>
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>
> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This finial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
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> My question is would the high density polyurethane significantly absorb any of the 70cm

radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>
> I can provide a picture of the architectural finial to any one that is interested?
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33892. RE: [ham-antennas] Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 08:20:30 UTC
From: Richard Schmuke
Topic: 33775 Message: 33892

Very impressive numbers. I don’t understand how it works but there is a lot I don’t understand in life.

Please carry on and let us know your results with is raised.

Rich, Kd0zz

Subject: Re: [ham-antennas] Vertical questions

Exactly correct on the height, before was 5/8 wave, 21 feet, after mods it was about 27 feet. Readings were 10 meter 1:1 swr, 15 was 2:1, 20 2:1, 40 was 2:1 before using the internal tuner. Not bad without the tuner. I will be checking everything before I try to mount it on the rooftop to be certain of all settings

33893. Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 14:44:25 UTC
From: Dave Rickmers
Topic: 33775 Message: 33893

My full wave loops are uniformly 2.5 to 3:1. A 43' vertical needs a tuner or a balun to get closer to a match, an autotuner at the feed point is ideal. See my QRZ page. 73 de dave/kd6il

33894. might this work?

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 15:18:13 UTC
From: dalecole3502@...
Topic: 33894 Message: 33894

Might this work? I have a length of 300 ohm wire, which I can get up to about 30' +/- and run to a height of about 20'. (sloped of course)
If I cut this at about 66' on th run, and then divided the wire at about 33' and doubled that portion (the divided part) back upon it's self, and led it back to the feed point and into a tuner, could I effectly construct an 80/75 meter wire antenna? At the tuner I would use one of those pigtails that convert balanced wire to coax. From the tuner, Which would be located in the garage, through the wall I would use the tuner for 75 only once adjusted I have small lot, and trap verticals for other bands.

I would only be running 100w (into solid state). Might it work, or just make a 40 meter dipole, or even worse have my rig go up in smoke?
Dale K8TS

33895. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 15:42:46 UTC
From: sea_brat2002@...
Topic: 33851 Message: 33895

[Body unavailable in the source archive]

33896. Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 16:33:39 UTC
From: sea_brat2002@...
Topic: 33851 Message: 33896

It looks like my first response did not make it. I am trying again.

You might try repurposing a Dish TV antenna into a slot antenna. Here is a link to how someone made a 2m antenna from a Dish: http://w6nbc.com/articles/20xx-dishslot.pdf http://w6nbc.com/articles/20xx-dishslot.pdf

There is a good video on how slot antennas work:
Slot Antenna http://www.antenna-theory.com/antennas/aperture/slot.php

http://www.antenna-theory.com/antennas/aperture/slot.php

Slot Antenna http://www.antenna-theory.com/antennas/aperture/slot.php The slot antenna is studied. The basic principles of slot antennas are presented, along with design parameters.

View on www.antenna-theory... http://www.antenna-theory.com/antennas/aperture/slot.php
Preview by Yahoo

It describes how the slot dimensions are roughly equal to the dimensions for a wire dipole. You should be able to change the slot dimensions for 70cm.

Dick, AB1NI

33897. Re: [ham-antennas] Re: Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 17:05:40 UTC
From: Bob Nobis - N7RJN
Topic: 33851 Message: 33897

Dick,

Very interesting. Thank you.

Bob - N7RJN

On Sep 4, 2014, at 9:33, sea_brat2002@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> It looks like my first response did not make it. I am trying again.
>
>
> You might try repurposing a Dish TV antenna into a slot antenna. Here is a link to how someone made a 2m antenna from a Dish:
> http://w6nbc.com/articles/20xx-dishslot.pdf
> There is a good video on how slot antennas work:
> Slot Antenna
>
> Slot Antenna
> The slot antenna is studied. The basic principles of slot antennas are presented, along with design parameters.
> View on www.antenna-theory...
> Preview by Yahoo
> It describes how the slot dimensions are roughly equal to the dimensions for a wire dipole. You should be able to change the slot dimensions for 70cm.
>
> Dick, AB1NI
>
>
>

33898. Re: might this work?

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 17:59:45 UTC
From: farrerfolks@...
Topic: 33894 Message: 33898

You are using almost a Twin lead Marconi antenna concept. A folded Marconi using 300 ohm ladder line shorted at the end can be fed directly with 50 ohm coax with the shield tied to a ground at the feed point. 234/fMHz for the length of 300 ohm line. I have used it effectively in a HOA environment under the eves of the roof. An interesting trick is that you can open the ground return side of the 300 ohm and it is 10-15 ohm impedance but resonant match at half the freq. I had to use a tuner for that but if cut for 7.2 MHz you get 3.6 when open. Not a outstanding antenna, but simple. You can see the reference of the antenna in Bill Orr's Radio Handbook in General purpose HF antennas.

Mel, K6KBE

33899. HF Antenna comparison chart

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 18:03:14 UTC
From: markenvoyage@...
Topic: 33899 Message: 33899

I might be dreaming, but I don't think so. I seem to remember finding online a comprehensive list (spreadsheet) comparing the performance of many different commercially-available HF antennas with simulated (as opposed to vendor-claimed) gain and F/B ratios. But I can't find it anymore!

Can anyone help, or was I really just dreaming?

73 Mark VA2MM

33900. Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 20:35:45 UTC
From: guru_pop3000@...
Topic: 33900 Message: 33900

Hi All,

I need a 40-20-15-10 Meter multi-band antenna. My Roof is the only place where I can instal it.
The roof dimension is 50 Feet X 15 Feet. I dont have access to masts longer than 20 Feet.

Please suggest me an Antenna that suits my space requirement, easy to build, low cost, & Easy to repair (Monkeys and Cyclones are common here).

Guru
Berhampur Odisha
India

33901. Re: might this work?

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 20:36:58 UTC
From: duwayne@...
Topic: 33894 Message: 33901

You could look at the G7FEK. I have one that works well 80 - 20 without a tuner.
DuWayne KV4QB

33902. Re: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 20:43:56 UTC
From: Mel Farrer
Topic: 33900 Message: 33902

Hi Guru,

What is the height of the building and its construction, materials that is. And can you use all four corners of the building for short masts?

Mel, K6KBE

On Thursday, September 4, 2014 1:35 PM, "guru_pop3000@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi All,

I need a 40-20-15-10 Meter multi-band antenna. My Roof is the only place where I can instal it.
The roof dimension is 50 Feet X 15 Feet. I dont have access to masts longer than 20 Feet.

Please suggest me an Antenna that suits my space requirement, easy to build, low cost, & Easy to repair (Monkeys and Cyclones are common here).

Guru
Berhampur Odisha
India

33903. Re: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 21:03:27 UTC
From: guru_pop3000@...
Topic: 33900 Message: 33903

Hi Mel,

Thanks for help.
House is a Reinforced Cement Concreted house, Height from Ground Level is 30 Feets. Both sides of house are open Grounds, but extremely Theft-Prone, so can not use wire radials upto that. Anything should must have to bounded inside the roof boundary.

No, only 2 Corners are useable on Front Side.
I tried Inverted Vee Dipole Antenna, but anyhow 40 Meter band does not fit for my roof.

Regards
Guru

33904. Re: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 21:09:21 UTC
From: Matthew King
Topic: 33900 Message: 33904

How about a Hustler 6-BTV with radials laid atop the roof? That gets you the bands that you want and keeps the radials up out of harm's way.

Just a thought!

Good luck,

KK4CPS
PODXS 070 Club Mailman
www.podxs070.com

On Thu, Sep 4, 2014 at 5:03 PM, guru_pop3000@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Mel,
>
> Thanks for help.
> House is a Reinforced Cement Concreted house, Height from Ground Level is
> 30 Feets. Both sides of house are open Grounds, but extremely
> Theft-Prone, so can not use wire radials upto that. Anything should must
> have to bounded inside the roof boundary.
>
> No, only 2 Corners are useable on Front Side.
> I tried Inverted Vee Dipole Antenna, but anyhow 40 Meter band does not fit
> for my roof.
>
> Regards
> Guru
>
>

33905. Re: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 21:31:31 UTC
From: Mel Farrer
Topic: 33900 Message: 33905

Hello, Well all is not lost. I have modeled a 40meters 7.2 MHz resonant perimeter rectangle if you can use the back side corners at roof level and 15 foot masts on the front?? Got any pictures of the building. Your description is alittle confusing. You can contact me direct via QRZ if you wish.

Mel

On Thursday, September 4, 2014 2:09 PM, "Matthew King mrk.twg@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

How about a Hustler 6-BTV with radials laid atop the roof? That gets you the bands that you want and keeps the radials up out of harm's way.

Just a thought!

Good luck,

KK4CPS
PODXS 070 Club Mailman
www.podxs070.com

On Thu, Sep 4, 2014 at 5:03 PM, guru_pop3000@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>Hi Mel,
>
>Thanks for help.
>House is a Reinforced Cement Concreted house, Height from Ground Level is 30 Feets. Both sides of house are open Grounds, but extremely Theft-Prone, so can not use wire radials upto that. Anything should must have to bounded inside the roof boundary.
>
>No, only 2 Corners are useable on Front Side.
>I tried Inverted Vee Dipole Antenna, but anyhow 40 Meter band does not fit for my roof.
>
>Regards
>Guru

33906. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 21:35:31 UTC
From: guru_pop3000@...
Topic: 33900 Message: 33906

Hi Matthew,

I want to DIY an Antenna. Do not have Ohms to invest. Do you have the construction information for this antenna?
HF Verticals were first came into my mind, but tell me how to build those antenna TRAP.

33907. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 22:13:58 UTC
From: farrerfolks@...
Topic: 33900 Message: 33907

Do you really want put up a non-supported trapped vertical in storm/weather conditions you have over there?

Been in Dhaka during storms and I didn't like it. Not much left unprotected.

Mel,, K6KBE

33908. MFJ loop antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-04 23:33:19 UTC
From: sawman02@...
Topic: 33908 Message: 33908

Hello to All,

I am looking for aMFJ loop antenna with the auto tune. If you have one and would like to sell it. Please e-mail my at wo2w at arrl. Net

Thanks

33909. Re: HF Antenna comparison chart

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 00:48:42 UTC
From: Kathy Bookmiller
Topic: 33899 Message: 33909

I've never seen a free version of the antenna comparisons you are looking for.
However, I've seen ads for just such a comparison from Steve K7LXC.
I've heard it is pretty good but maybe slightly outdated now as it was done when he had access to an
antenna range 10 years or so ago.
He probably did a lot of work doing this and I can understand why he would like to get paid for it. You can find an ad for it in
classified section of QST or CQ about every month.
73,
Kathy W2NK

33910. Re: [ham-antennas] Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 01:22:29 UTC
From: Geoff NW7GM
Topic: 33900 Message: 33910

You could build the G3TXQ version cobweb which would give you 20-10m, and add on a 40m element (fed separately from the rest). It would not require a tuner for any of the bands.

Geoff, NW7GM
Seattle, WA
CN87tr
On Sep 4, 2014 2:35 PM, "guru_pop3000@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Matthew,
>
> I want to DIY an Antenna. Do not have Ohms to invest. Do you have the
> construction information for this antenna?
> HF Verticals were first came into my mind, but tell me how to build those
> antenna TRAP.
>
>

33911. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 06:25:49 UTC
From: guru_pop3000@...
Topic: 33900 Message: 33911

No Option left. That is why I added the option "Easy to Repair" in my requirement.

33912. RE: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 06:31:43 UTC
From: Dave Patrick
Topic: 33900 Message: 33912

A half size G5RV fed with twin feeder all the way from ATU to the centre of the antenna. Effectively it then becomes a doublet. This makes an excellent multi band antenna with low losses and high efficiency.

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: guru_pop3000@yahoo.com [ham-antennas]
Sent: 04/09/2014 21:35
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Need Antenna Suggestions

Hi All,

I need a 40-20-15-10 Meter multi-band antenna. My Roof is the only place where I can instal it.
The roof dimension is 50 Feet X 15 Feet. I dont have access to masts longer than 20 Feet.

Please suggest me an Antenna that suits my space requirement, easy to build, low cost, & Easy to repair (Monkeys and Cyclones are common here).

Guru
Berhampur Odisha
India

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right:

0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

33913. AW: [ham-antennas] Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 10:36:37 UTC
From: siegfried jackstien
Topic: 33900 Message: 33913

Ladderline fed rectangular loo maybe??

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 4. September 2014 20:36
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Need Antenna Suggestions
>
>
>
> Hi All,
>
> I need a 40-20-15-10 Meter multi-band antenna. My Roof is the only place
> where I can instal it.
> The roof dimension is 50 Feet X 15 Feet. I dont have access to masts
> longer than 20 Feet.
>
> Please suggest me an Antenna that suits my space requirement, easy to
> build, low cost, & Easy to repair (Monkeys and Cyclones are common here).
>
>
>
> Guru
> Berhampur Odisha
> India
>
>
>

33914. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 11:15:46 UTC
From: Jeffrey Lord
Topic: 33900 Message: 33914

I have a non - resonate loop at 18 feet above ground
This tunes on all bands 80-10 meters
Feed with open line and goes to a 4-1 balun then short length of 50ohm coax to tuner

Sent from my iPhone

33915. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 13:30:31 UTC
From: farrerfolks@...
Topic: 33900 Message: 33915

Here is how a 40 meter OCF dipole fits on your roof.

Mel, K6KBE

33916. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 19:53:53 UTC
From: guru_pop3000@...
Topic: 33900 Message: 33916

Thanks Mel,
Seems like this will fit into my roof. Anyway, I was trying today, a vertical with a loading coil, no problem in Tx, but somehow it was huge noise in Rx with my QRP BITX on 40 Meter.

Anyway, the latest development is that, loading coil arrangement can also fit into my roof in Inverted Vee I built earlier. And making some traps to resonate at required frequency, this was suggestion by a local HAM. So I would stick to the modification of that Inv Vee this weekend. In case failure, will start with OCF dipole.

regards
Guru

33917. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-05 20:02:39 UTC
From: rolandbrade@...
Topic: 33900 Message: 33917

I am using a trap inverted V. It is based on half of a W3DZZ.
My vertical section is 40 foot, although you can have it shorter and it still works well.
In that case you will have a longer horizontal section.
Based on the W3DZZ the total length is 54 foot. I have now put an 80 metre trap at the end and it now covers 160.
all the best
Roley g3VIR

---In ham-antennas@yahoogroups.com, <guru_pop3000@...> wrote :

Thanks Mel,
Seems like this will fit into my roof. Anyway, I was trying today, a vertical with a loading coil, no problem in Tx, but somehow it was huge noise in Rx with my QRP BITX on 40 Meter.

Anyway, the latest development is that, loading coil arrangement can also fit into my roof in Inverted Vee I built earlier. And making some traps to resonate at required frequency, this was suggestion by a local HAM. So I would stick to the modification of that Inv Vee this weekend. In case failure, will start with OCF dipole.

regards
Guru

33918. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 04:03:06 UTC
From: Adrian Flynn
Topic: 33851 Message: 33918

Do not even let that slow you down!
I use to live in Oxbow estates just south of Payson, Arizona. on the NORTH side of a mountain, I was at least 300 feet below the top of the mountain.
All of the TV stations were in Phoenix AZ 104 miles south of me behind 2 more mountain ranges.
I wanted TV and this was before Primestar or Direct or Dish.
I put up an antenna and tried like mad to get a weak bounce off of the higher mountains north of me some as high as 7000' within 30 miles.
Could not get a bounce of any type so tried from West through north to East.
Not a thing, so as a last resort I turned the ant SOUTH directly into the mountain 30 feet from my antenna and received a slightly snowy but very useable picture and sound on Channels 3, 5 8, 10, 12.
All of the major networks and PBS plus an independent.

Do not tell me that radio signals do not follow the curve of the earth when they want to, *try it before you say IT WON'T WORK!*

72/73
Adrian KF7DYU

<snip>

>
> One additional issue at my location is that I need to get the antenna at
> the peak of my roof, because there is a large hill (actually a small
> mountain) between my QTH and the repeaters.
>
> 73,
>
>
> Bob - N7RJN
> n7rjn@...
>
>
>
>
> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> Rather than asking the question of whether or not the finial will
> attenuate your signal, maybe the better question is, "Will the finial
> attenuate signal more than the improvement I'll gain by moving from an
> indoor antenna to one in the finial?" Or maybe the better comparison is
> between the finial and your attic.

>
> That is a question which can only be answered by trial and error. Even a
> bad antenna is better than a worse antenna.
> Kevin / K4KPK
>
>
> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> I live in a community with an HOA that has some significant restrictions
>> on installation of antennas. On the peak of my roof, there is an
>> architectural finial made from high density polyurethane. This finial is
>> about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down
>> the middle that I could install a a 70cm antenna inside, thus hiding the
>> antenna.
>>
>> My question is would the high density polyurethane significantly absorb
>> any of the 70cm radiation, thus reducing the efficiency of the antenna?
>> Also, would this tend to change the tuning of the antenna?
>>
>> I can provide a picture of the architectural finial to any one that is
>> interested?
>>
>> Thanks and 73,
>>
>>
>> Bob
>>
>
>
>
>
>

33919. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 13:27:30 UTC
From: email4utoo@...
Topic: 33900 Message: 33919

Have you seen the Fan Dipoles put up in the attic , on you tube videos , plus others . there is a fellow Ham on the 4SQRP group that has a wire up in his attic which does well for him , Do you have a Tuner ? Good Luck , and let us know what you come up with , 73s, "AJ" W5HEH

33920. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 13:30:43 UTC
From: email4utoo@...
Topic: 33900 Message: 33920

Also consider the SV9 43' or 31' on cheapham.com , fiberglass and can be taken down very fast ,Verticle easy to pushup . enjoy the journey, 73s, AJ W5HEH

33921. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 13:42:08 UTC
From: Robert Nobis
Topic: 33851 Message: 33921

Adrian,

That is a very good point. You are correct, RF doesn’t always seem to follow the rules. I believe that is why I do hit some of the repeaters that are on the White Tank mountains about 20 miles from my QTH. There are three repeaters that I can hit right now, but not necessarily with full quieting. Several others I can hear, but I can not hit the repeater when I transmit. Each of the repeater antennas are at slightly different locations and different altitudes. The knife edge effect may be coming into play here for some of the stations.

Bob - N7RJN
n7rjn@...

On Sep 5, 2014, at 21:03, Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Do not even let that slow you down!
> I use to live in Oxbow estates just south of Payson, Arizona. on the NORTH side of a mountain, I was at least 300 feet below the top of the mountain.
> All of the TV stations were in Phoenix AZ 104 miles south of me behind 2 more mountain ranges.
> I wanted TV and this was before Primestar or Direct or Dish.
> I put up an antenna and tried like mad to get a weak bounce off of the higher mountains north of me some as high as 7000' within 30 miles.
> Could not get a bounce of any type so tried from West through north to East.
> Not a thing, so as a last resort I turned the ant SOUTH directly into the mountain 30 feet from my antenna and received a slightly snowy but very useable picture and sound on Channels 3, 5 8, 10, 12.
> All of the major networks and PBS plus an independent.
>
> Do not tell me that radio signals do not follow the curve of the earth when they want to, try it before you say IT WON'T WORK!
>
> 72/73
> Adrian KF7DYU
>
>
> <snip>
>
> One additional issue at my location is that I need to get the antenna at the peak of my roof, because there is a large hill (actually a small mountain) between my QTH and the repeaters.
>
> 73,
>

>
> Bob - N7RJN
> n7rjn@nobis.net
>
>
>
>
> On Sep 3, 2014, at 16:49, Kevin Kleinfelter kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>> Rather than asking the question of whether or not the finial will attenuate your signal, maybe the better question is, "Will the finial attenuate signal more than the improvement I'll gain by moving from an indoor antenna to one in the finial?" Or maybe the better comparison is between the finial and your attic.
>>
>> That is a question which can only be answered by trial and error. Even a bad antenna is better than a worse antenna.
>> Kevin / K4KPK
>>
>>
>> On Wed, Sep 3, 2014 at 2:47 PM, N7RJN@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> I live in a community with an HOA that has some significant restrictions on installation of antennas. On the peak of my roof, there is an architectural finial made from high density polyurethane. This f! inial is about 40 inches high and has a 1.25 inch diameter thin walled PVC pipe down the middle that I could install a a 70cm antenna inside, thus hiding the antenna.
>>
>> My question is would the high density polyurethane significantly absorb any of the 70cm radiation, thus reducing the efficiency of the antenna? Also, would this tend to change the tuning of the antenna?
>>
>> I can provide a picture of the architectural finial to any one that is interested?
>>
>> Thanks and 73,
>>
>>
>> Bob
>>
>>
>>
>
>
>
>
>

33922. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 15:38:31 UTC
From: WVØH
Topic: 33851 Message: 33922

Absolutely not. It's our misunderstanding that doesn't align.

Myron WVØH
Printed on Recycled Data

> On Sep 6, 2014, at 7:42 AM, "Robert Nobis N7RJN@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> RF doesn’t always seem to follow the rules.

33923. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:21:55 UTC
From: Robert Nobis
Topic: 33851 Message: 33923

Myron,

Yes, I stand corrected.

Bob - N7RJN
n7rjn@...

On Sep 6, 2014, at 8:38, WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Absolutely not. It's our misunderstanding that doesn't align.
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Sep 6, 2014, at 7:42 AM, "Robert Nobis N7RJN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> >
> > RF doesn’t always seem to follow the rules.
>
>

33924. EzMilitary Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:23:38 UTC
From: Raymond Tompkins
Topic: 33924 Message: 33924

Does anyone have experience with this antenna? Will it work, for the most part, with the internal tuner on my IC-746?
I know there are a lot of other parameters involved but I really don't want to have to lug an external tuner around.

TU es 73, Raymond (KQ6X)

33925. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:36:53 UTC
From: Keith Heimbold
Topic: 33775 Message: 33925

I bought the Gap Eagle DX and then decided that I didn't have enough time to put it up this weekend so I decided to play around with the 5BTV. I changed the position of the radials and added a few more radials and got 15m to tune about 1.5:1 mid band and 10m to tune at 2:1 at 28.100. 20m is still way off!!! I can't even find a dip and 40m is like 3:1. So getting better but still not great.

Keith

Sent from my iPhone please excuse typos

> On Sep 2, 2014, at 5:52 AM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Thanks to all that answered. I am planning on purchasing the Gap Eagle based on recommendations of it being a vertical dipole versus a quarter wave vertical. I am sure it is a compromise antenna regardless and don't have great expectations for it but nevertheless I am anxious to get back on the air in some form or fashion.
>
> My 5btv I will box up and possibly ship it to my inlaws house in Texas. I already have a shack there for when I visit (RS35 power supply, 6m te systems brick, 6M7JHV, 80-10m OCF dipole, etc. inlaws are cool might as well send it there.
>
> Thanks,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Sep 1, 2014, at 3:14 PM, "k9jfk@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Hi Keith,
>>
>> Quarter wave antennas need radials, lots of them, to make them "immune" to their mounted locations. "Everything" has changed since you have went to a different mounting location: angle of the radial, height above ground, etc, etc. Only "cure" is to tune the antenna in its present location from scratch.
>>
>> My BTV is ground mounted and was adjusted using an MFJ259B. The drastic changes slowed down above 16 quarter wave 80m radials, but didn't "stabilize" until I hit the 30 to 50 range. I stopped adding radials at 54... the point of diminishing returns.
>>
>> So, add some more radials and check the swr while doing so; if adding radials doesn't work, then tune the antenna band by band.

>>
>> Sorry for the bad news...
>> 73, Jimmie, K9JFK
>>
>>
>> ---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :
>>
>> First, I have been considering either purchasing an Gap Eagle DX or a Hy Gain AV640. I was wondering if anyone in the group has owned both and what their experiences are with either, and or the benefits over other verticals for either one.
>>
>> Second question, I am having significant issues with tuning my elevated 5btv at my rental home as I am very limited in term of laying down radials.
>>
>> Some history, I had this antenna mounted in similar fashion, elevated with limited radials and it was tuned perfectly. I assembled exactly the same way as it was and it marked it the same with a sharpie and now everything is wide off the mark mostly much higher above the desired band for example on 20m it is at 1.6:1 at 14.900 MHz. All other bands are widely off or no where near 2:1. I wonder if the antenna was damaged due to the move. The only other difference in addition to moving the antenna was that I added the DX engineering U239 add on feature so I could connect coax directly. I have also tried two different lines of coax and added new batteries to my mfj259b to make sure it was not the culprit of giving false info.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>
>

33926. Re: [ham-antennas] HF Verticals

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:46:20 UTC
From: Geoff NW7GM
Topic: 33732 Message: 33926

I see them too around here... going for $800-1200 (rusty/corroded). For that price I could buy a brand new one.

Geoff, NW7GM
Seattle, WA
CN87tr
On Sep 2, 2014 5:31 PM, "luckettg@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Try Craigslist for antenna towers. I see them there all the time.
> Greg Luckett
> NB8X
> 73
>
>

33927. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:46:18 UTC
From: WVØH
Topic: 33851 Message: 33927

Bob,

Yes, and I didn't mean to sound condescending. I've never been able to fool electrons yet! They follow an exact set of rules, my interpretation is the weak point.

Myron WVØH
Printed on Recycled Data

> On Sep 6, 2014, at 11:21 AM, "Robert Nobis N7RJN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Myron,
>
>
> Yes, I stand corrected.
>
>
> Bob - N7RJN
> n7rjn@...
>
>
>
>
>> On Sep 6, 2014, at 8:38, WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> Absolutely not. It's our misunderstanding that doesn't align.
>>
>> Myron WVØH
>> Printed on Recycled Data
>>
>> > On Sep 6, 2014, at 7:42 AM, "Robert Nobis N7RJN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>> >
>> > RF doesn’t always seem to follow the rules.
>>
>
>

33928. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 17:47:55 UTC
From: worahm@...
Topic: 33775 Message: 33928

If you think you might be interested in my documented experience as I added radials, four at a time to a Hustler 5-BTV vertical antenna,,send me your email address and I will send the spread sheet attached to an email..
I've attach the file to this post but I believe Yahoo will probably delete it.
Bill KB2GF

[Non-text portions of this message have been removed]

33929. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 18:02:37 UTC
From: Geoff NW7GM
Topic: 33775 Message: 33929

You were right... Maybe you could u/l it to the group files section.

Geoff, NW7GM
Seattle, WA
CN87tr
On Sep 6, 2014 10:48 AM, "worahm@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> If you think you might be interested in my documented experience as I
> added radials, four at a time to a Hustler 5-BTV vertical antenna,,send me
> your email address and I will send the spread sheet attached to an email..
> I've attach the file to this post but I believe Yahoo will probably delete
> it.
> Bill KB2GF
>
> [Non-text portions of this message have been removed]
>
>
>

33930. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 18:57:52 UTC
From: David Cole
Topic: 33775 Message: 33930

Take your Meter, and measure R, every time you double the radial count, you should see R go down, when it stops, (or moves very little), with the next doubling of radials, you are done... In a perfect world you will end at 36 ohms, and have close to a 2:1 SWR.

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sat, 2014-09-06 at 17:47 +0000, worahm@... [ham-antennas] wrote:
> If you think you might be interested in my documented experience as I added radials, four at a time to a Hustler 5-BTV vertical antenna,,send me your email address and I will send the spread sheet attached to an email..
> I've attach the file to this post but I believe Yahoo will probably delete it.
> Bill KB2GF
>
>
> [Non-text portions of this message have been removed]
>
>
>
> ------------------------------------
> Posted by: worahm@...
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ------------------------------------
>
> Yahoo Groups Links
>

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>

33931. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-06 19:44:04 UTC
From: Keith Heimbold
Topic: 33775 Message: 33931

I am spot on for 10 & 15m now and about 500 kHz too high on 20m. I have adjusted both the trap and antenna length and adjusted the trap with no difference after about 500 khz (originally the dip was at 15.4 MHz). Now the dip is at 14.8-9 MHz. I am guessing that with more radials added for 20m (I have two so far) I may see more benefit. This is an elevated mounting at 4' right now on an MFJ 1919ex tripod.

Thanks for all the help!!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 6, 2014, at 10:48 AM, "worahm@comcast.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> If you think you might be interested in my documented experience as I added radials, four at a time to a Hustler 5-BTV vertical antenna,,send me your email address and I will send the spread sheet attached to an email..
> I've attach the file to this post but I believe Yahoo will probably delete it.
> Bill KB2GF
>
> [Non-text portions of this message have been removed]
>
>

33932. Re: HF Antenna comparison chart

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 00:33:25 UTC
From: markenvoyage@...
Topic: 33899 Message: 33932

Ok I was not completely dreaming (only partly). I finally found the comparison chart I thinking of, but it turns out that it was for 6m and up, not for HF.

Oh well, I'll share it here anyway because it's quite comprehensive.

VE7BQH 6M Antenna Comparison Table http://www.bigskyspaces.com/w7gj/6mTable.htm

VE7BQH 6M Antenna Comparison Table http://www.bigskyspaces.com/w7gj/6mTable.htm Comparison of performance of various commercial and home built antennas for the 50 MHz amateur radio band

View on www.bigskyspaces.com http://www.bigskyspaces.com/w7gj/6mTable.htm
Preview by Yahoo

An thanks Kathy for your reply.

Mark VA2MM

33933. Re: [ham-antennas] Use of Architectrual Finial to hide 70cm vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 13:38:09 UTC
From: mwallred@...
Topic: 33851 Message: 33933

I'd say you were correct the first time. Your quote, with highlighting:

"RF doesn’t always *seem* to follow the rules."

It's following the rules. Sometimes it's just not obvious to us.

Marty
AG3EK

---In ham-antennas@yahoogroups.com, <N7RJN@...> wrote :

Myron,

Yes, I stand corrected.

Bob - N7RJN
n7rjn@... mailto:n7rjn@...

On Sep 6, 2014, at 8:38, WVØH s9plus@... mailto:s9plus@... [ham-antennas]
<ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com> wrote:

Absolutely not. It's our misunderstanding that doesn't align.

Myron WVØH
Printed on Recycled Data

> On Sep 6, 2014, at 7:42 AM, "Robert Nobis N7RJN@... mailto:N7RJN@... [ham-antennas]"
<ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com> wrote:
>
> RF doesn’t always seem to follow the rules.

33934. Re: [ham-antennas] Re: Vertical questions

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 14:03:33 UTC
From: Keith Heimbold
Topic: 33775 Message: 33934

All bands on the 5BTV are now tuned for low swr under 2:1. The elevated nature is tricky as there seems to be some intermittent changes in swr. I am wondering if my coax is suspect.

I did work multiple stations in Japan on 20m last night on the 5btv with 10W SSB with my KX3. I was very surprised that they actually could hear me. I haven't been on the bands in over two months so it was quite nice to be on yesterday.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 6, 2014, at 11:57 AM, "David Cole dave@nk7z.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Take your Meter, and measure R, every time you double the radial count,
> you should see R go down, when it stops, (or moves very little), with
> the next doubling of radials, you are done... In a perfect world you
> will end at 36 ohms, and have close to a 2:1 SWR.
>
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
> On Sat, 2014-09-06 at 17:47 +0000, worahm@comcast.net [ham-antennas]
> wrote:
> > If you think you might be interested in my documented experience as I added radials, four at a time to a Hustler 5-BTV vertical antenna,,send me your email address and I will send the spread sheet attached to an email..
> > I've attach the file to this post but I believe Yahoo will probably delete it.
> > Bill KB2GF
> >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> > ------------------------------------
> > Posted by: worahm@comcast.net

> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
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> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
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33935. BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 20:42:39 UTC
From: Ray, W4BYG
Topic: 33935 Message: 33935

Was just perusing VE7VQH's excel SS on a number of manufactured 6 meter antennas, etc. The highest antenna gain was listed for a "BVO 18 Rope Yagi" at 15.01 dbd gain. That's a lot of gain for a yagi at 6 meters.

Never heard of one. Did a search and couldn't find any data or pictures of one. I've probably got 3 dozen books on antennas and related designs. Nothing on such as I can recall.

I'm curious. Does anyone know anything about this antenna?
73,
Ray, W4BYG

--
Ironic:
The food stamp program, part of the Department of Agriculture, is pleased to be distributing the greatest amount of food stamps ever.
Meanwhile, the Park Service, also part of the Department of Agriculture, asks us to "please do not feed the animals" because the
animals may grow dependent and not learn to take care of themselves... (Think about that).

33936. Re: [ham-antennas] BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 20:53:37 UTC
From: Don Sanders
Topic: 33935 Message: 33936

Probably 18 elements suspended by two parallel runs of rope.
Have seen this for two meter moonbounce many years ago.

Ironic comment below your email: Animals in Nat Parks Don't vote, only
those in big city gettos vote.

Don W4BWS

Dr. Don W4BWS

On Sun, Sep 7, 2014 at 3:42 PM, 'Ray, W4BYG' w4byg@att.net [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Was just perusing VE7VQH's excel SS on a number of manufactured 6 meter
> antennas, etc. The highest antenna gain was listed for a "BVO 18 Rope
> Yagi" at 15.01 dbd gain. That's a lot of gain for a yagi at 6 meters.
>
> Never heard of one. Did a search and couldn't find any data or pictures
> of one. I've probably got 3 dozen books on antennas and related
> designs. Nothing on such as I can recall.
>
> I'm curious. Does anyone know anything about this antenna?
> 73,
> Ray, W4BYG
>
> --
> Ironic:
> The food stamp program, part of the Department of Agriculture, is pleased
> to be distributing the greatest amount of food stamps ever.
> Meanwhile, the Park Service, also part of the Department of Agriculture,
> asks us to "please do not feed the animals" because the
> animals may grow dependent and not learn to take care of themselves...
> (Think about that).
>
>
>

33937. Re: [ham-antennas] BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-07 21:04:37 UTC
From: Timothy-Allen Albertson
Topic: 33935 Message: 33937

That is insulting the animals in the national parks to compare them to the feral punks in the hood.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Sep 7, 2014 at 3:53 PM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Probably 18 elements suspended by two parallel runs of rope.
> Have seen this for two meter moonbounce many years ago.
>
> Ironic comment below your email: Animals in Nat Parks Don't vote, only
> those in big city gettos vote.
>
> Don W4BWS
>
> Dr. Don W4BWS
>
> On Sun, Sep 7, 2014 at 3:42 PM, 'Ray, W4BYG' w4byg@att.net [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> Was just perusing VE7VQH's excel SS on a number of manufactured 6 meter
>> antennas, etc. The highest antenna gain was listed for a "BVO 18 Rope
>> Yagi" at 15.01 dbd gain. That's a lot of gain for a yagi at 6 meters.
>>
>> Never heard of one. Did a search and couldn't find any data or pictures
>> of one. I've probably got 3 dozen books on antennas and related
>> designs. Nothing on such as I can recall.
>>
>> I'm curious. Does anyone know anything about this antenna?
>> 73,
>> Ray, W4BYG
>>
>> --
>> Ironic:
>> The food stamp program, part of the Department of Agriculture, is pleased
>> to be distributing the greatest amount of food stamps ever.
>> Meanwhile, the Park Service, also part of the Department of Agriculture,
>> asks us to "please do not feed the animals" because the
>> animals may grow dependent and not learn to take care of themselves...
>> (Think about that).

>>
>>
>
>

33938. Re: Vertical questions Attn: Bill KB2GF

Yahoo group: ham-antennas (2014)
Date: 2014-09-08 01:06:12 UTC
From: kb8nty@...
Topic: 33775 Message: 33938

KB2GF - Bill,

After reading of the RF ground radial conversation, I wanted to inquire of you Bill the following;

We have a Yahoo Group devoted to RF Ground Radials. Our members all share great interest regarding RF Ground Radials...Anything and all about Ground Radials!

I have read this specific thread with great interest and wanted to request of you if I may share your invitation to share your Ground Radial findings as you had mentioned.

I believe some of our group members would be interested in your findings!

I wanted to offer my respect and inquire from you, rather than simply re-post your message.

Thank you Bill, you can post reply here, I should catch it, or reply at rossradio @ wowway.com, or on the Yahoo RF Ground Radial Group at:
https://groups.yahoo.com/neo/groups/groundradial/info
https://groups.yahoo.com/neo/groups/groundradial/info
Our ground radio group is a non restricted Yahoo group.

Thanks Again, With Kind Regards...
Ross KB8NTY
http://www.rossradio.net http://www.rossradio.net all about RF ground radials

33939. Re: BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-08 01:27:28 UTC
From: control@...
Topic: 33935 Message: 33939

Is this what you asking about ?????

Leon / 9Z4BM

33940. Re: BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-08 01:29:35 UTC
From: control@...
Topic: 33935 Message: 33940

Whoops .. it must be older age .. Here is the link ..
Sloping 18 Element Rope Yagi for 50 MHz http://www.bigskyspaces.com/w7gj/6mRopeYagi.htm

http://www.bigskyspaces.com/w7gj/6mRopeYagi.htm

Sloping 18 Element Rope Yagi for 50 MHz http://www.bigskyspaces.com/w7gj/6mRopeYagi.htm
VE7BQH 50 MHZ ROPE YAGI CONSTRUCTION DETAILS SLOPING 18 ELEMENT LONG YAGI FOR THE LOW END OF THE 6M BAND (works best i...

View on www.bigskyspaces.com http://www.bigskyspaces.com/w7gj/6mRopeYagi.htm
Preview by Yahoo

Leon / 9z4bm

33941. Re: [ham-antennas] Re: BVO 18 rope yagi for 6 meters???

Yahoo group: ham-antennas (2014)
Date: 2014-09-08 12:32:50 UTC
From: Ray, W4BYG
Topic: 33935 Message: 33941

Leon,
That's it. Thank you. I will include a discussion of it in my program tonight at my local club.
73,
Ray, W4BYG

33942. 18ht hy-tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-08 18:57:18 UTC
From: Gary@...
Topic: 33942 Message: 33942

Hy Guys.

After 20 years I decided to rebuild my HyGain 18ht hy-tower. I've done it according to the manual. My 2 questions are:

1. Is there a sequence of adjustment eg. 10 meter first the 15 meter resonator, etc.?

2. What element resonates at 20 meters? (The only thing I can come up with is the distance between the base of the antenna and the top of the 15 meter resonator is 1/4 wave to 20 meters.) Any help would be appreciated.

73 de Gary, KF9CM

33943. Re: [ham-antennas] 18ht hy-tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 02:39:11 UTC
From: n7mog
Topic: 33942 Message: 33943

I should direct you to the Hi-Gain site, but it is faster to just provide the manual to you.

Bill
N7MOG

On 9/8/2014 12:57 PM, Gary@... [ham-antennas] wrote:
> HyGain 18ht hy-tower

[Non-text portions of this message have been removed]

33944. Re: [ham-antennas] 18ht hy-tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 02:47:48 UTC
From: n7mog
Topic: 33942 Message: 33944

That site is www.*hy-gain*.com by the way. But I sent the manual direct
to Gary.

Bill
N7MOG

On 9/8/2014 8:39 PM, n7mog n7mog@... [ham-antennas] wrote:
>
> I should direct you to the Hi-Gain site, but it is faster to just
> provide the manual to you.
>
> Bill
> N7MOG
>
> On 9/8/2014 12:57 PM, Gary@... [ham-antennas] wrote:
> > HyGain 18ht hy-tower
>
> [Non-text portions of this message have been removed]
>
>

33945. Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 12:03:26 UTC
From: Keith Heimbold
Topic: 33945 Message: 33945

I am putting up a five 4' military aluminum masts with the M2 6m loop antenna at the top and want to use a non permanent / non penetrating mount on the wooden eave of the house I am renting. The antenna weighs less than two pounds and has very little wind load. Any thoughts or ideas.

Btw, I decided that since I have the 5BTV now tuned I am taking back the Gap Eagle DX I bought at HRO. I was able to make plenty of DX contacts with the hustler and would rather put that money spent towards something more interesting than another compromise vertical. Maybe I will regret it, maybe not. Been looking at the foldingantenna.com hex beam like portable antenna sold in the US by vibroplex or figuring out a way to homebrew one. It is a pretty cool potential option for me in a ham world where everything needs to be mounted portable and taken down after every use.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

33946. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 13:27:26 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 33946

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /18 ht full.jpg
Uploaded by : kf9cm <Gary@...>
Description : This is a full scan of an 18 HT HYtower antenna from 1.8 to 30 MHz on a rig
all TG 815 spectrum analyzer. The dimensions of all the elements are from the manual

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/18%20ht%20full.jpg

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

kf9cm <Gary@...>

33947. Re: [ham-antennas] 18ht hy-tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 13:33:08 UTC
From: Gary@...
Topic: 33942 Message: 33947

Thanks Bill for the manual, the one I have does not have that first page. I rebuilt the 18 HT exactly with the dimensions put forth in the manual. I have approximately 40 radials from 10 feet to 65 feet. I ran the antenna through my Rigol TG 815 spectrum analyzer. I put the results in the Files section of this group. As you can see the majority of the bands are too low in frequency, hence too long, with the exception of 80 meters. If I subtract from the center section to bring 20 meters backup from the 13.36 MHz where the peak is now, 80 meters will have its peak in the CW portion . I guess what I'm saying is it's a good thing I have a terrific antenna tuner.

TNX de Gary,KF9CM

33948. Re: [ham-antennas] Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 14:41:13 UTC
From: Van Lincoln
Topic: 33945 Message: 33948

Try using wood spring clamps for wood clamping, or metal 'c' clamps,
sttach the antenna to them and them
clamp them to the gutter etc.

wd8aam

At 12:03 9/9/2014, you wrote:
>I am putting up a five 4' military aluminum masts with the M2 6m loop
>antenna at the top and want to use a non permanent / non penetrating
>mount on the wooden eave of the house I am renting. The antenna weighs
>less than two pounds and has very little wind load. Any thoughts or ideas.
>
>Btw, I decided that since I have the 5BTV now tuned I am taking back
>the Gap Eagle DX I bought at HRO. I was able to make plenty of DX
>contacts with the hustler and would rather put that money spent
>towards something more interesting than another compromise vertical.
>Maybe I will regret it, maybe not. Been looking at the
>foldingantenna.com hex beam like portable antenna sold in the US by
>vibroplex or figuring out a way to homebrew one. It is a pretty cool
>potential option for me in a ham world where everything needs to be
>mounted portable and taken down after every use.
>
>Keith
>AK6ZZ
>
>Sent from my iPhone please excuse typos
>
>-----
>Posted by: Keith Heimbold <ag6az@...>
>-----
>
>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 3724 members (as of 08/01/14). and attachments are
>NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
>cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>-----
>
>Yahoo Groups Links
>
>

>

33949. Re: [ham-antennas] 18ht hy-tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-09 23:21:07 UTC
From: Gary@...
Topic: 33942 Message: 33949

I talked with the engineer at HYgain and he said that 40 15 and 10 meters are adjustable. 80 and 20 meters are a trade off. You can get a good match on 80 and 20 is poor. So I'm going to get a match on 20 and use my 160 loading coil with extra taps for 80.

73 de Gary, KF9CM

33950. Hy Tower

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 00:21:53 UTC
From: Art Nienhouse
Topic: 33950 Message: 33950

*/I ran a coil across the feed point on my Hy Tower like the butternut vertical, this helped the match issue 20 meters 80 meters.
I also built up a air core roller inductor that I tuned from the shack for 160 attached are some pictures.

The coil in the picture across the feed was after trial and error (I think it was 18 turns on 1 1/2 coil form) and was a compromise for 40 80 and 160 a stepper switch with tapped coil would have been perfect. But I did not have any problem with the fixed coil as it got close on 160 under 2:1 swr in all operating spots. I could operate all the bands with out a tuner ...how ever touching it up with a tuner helped the band width on 160 buy just a bit, the motor is a 60 rpm I counted the seconds as it moved to the spot I wanted to operate them made a note so moving the vfo was made easier.

The addition of Aluminum Gutter guard really put the impedance low and was what I think icing on the cake. I had about 1500 ft of # 14 THHN wire cut 66 ft stapled to the ground they were bent around with the cold water pipes in the house attached as well.The Gutter Guard was what put it right as to enough radial system.

I changed out the metal trays to polyethylene so there was no possible arcing over on 160, I could work anything I could hear on 160 it was really surprising good performer however no band width. The big coil is an early MFJ from there big tuner it never failed much to my surprise you could run full legal power.

The coil is inside the 4 " thin wall pvc sewer pipe you see at the base of the 80 / 20 meter wire on many 40 meter dx stations the Hy Tower did as well as my C4 force rotating dipole at 65 ft. the only thing is hears a lot of vertical noise as you well know.

Best vertical ever built it also loads and works 6 meters which was a surprise to me, I used a tuner for the warc bands.
I moved to Paris Tn going on 4 years this December but never put it up here much bigger yard but not smooth, I don't think the radials will live under the Zero Turn Toro all the radials would have to be burred several inches, so its in my garage what a shame be nice if it was installed I'm just not up to the work putting it up right.

Regards
Art
ka9zap
/*

[Non-text portions of this message have been removed]

33951. Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 13:08:24 UTC
From: A
Topic: 33945 Message: 33951

I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH

33952. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 13:30:22 UTC
From: Keith Heimbold
Topic: 33945 Message: 33952

Great idea. This should work well for my purpose. I could even guy it with some Dacron lines to a couple trees to give it a little more stability.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 10, 2014, at 6:08 AM, "A email4utoo@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH
>

33953. RE: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 14:40:07 UTC
From: Scott Myers
Topic: 33945 Message: 33953

I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's eaves and paint.

About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.

But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.

For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.

Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon bucket (about 1' in diameter") with a 20'- 1" mast in it with that tiny 6M loop in it would stand vertical for many years, if you could get away with it by your landlord.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 9:08 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Non permanent antenna U bolt mount

I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH

33954. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 14:48:56 UTC
From: KA4INM radio
Topic: 33945 Message: 33954

On 09/10/14 10:40, 'Scott Myers' ac8de@... wrote:

> About the 5 gallon buried bucket... and its future removal. The buried
> concrete is a great idea. But it's removal sounds good in theory only.
> Removing it easily once in the ground? Not so easy. The problem is
> that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling
> that back out of the ground. Ever tried to pull a fence post up out of
> the ground that is set with just a single 80 lb bag of Quikrete once it
> has settled for a couple of days? Takes a huge amount of rocking and
> considerable digging. It's back breaking. Can't imagine trying to pull
> 300 lb of concrete up without digging around it 180 degrees, breaking it
> first, tilting it over and pulling it up in pieces. And if in a bucket,
> you can't break it.

How much does a 5 gallon bucket of concrete weight?
depending upon the type of concrete and the mix rate, a gallon of
concrete weighs anywhere from 17-20 lbs. So 85 to 100lbs plus the weight
of the bucket.

from:
http://wiki.answers.com/Q/How_much_does_a_5_gallon_bucket_of_concrete_weight

I can carry a 5 gallon pail of water, dirt or bricks all over the
place and I can even carry my XYL around and I'm 72.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33955. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 15:12:14 UTC
From: Dave Daniel
Topic: 33945 Message: 33955

I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).

While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.

DaveD

On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:
>
> I used to rent myself many years ago. I'd guess your landlord would
> care less about a hole in the yard than something attached to the
> house that could potentially damage the house's eaves and paint.
>
> About the 5 gallon buried bucket... and its future removal. The
> buried concrete is a great idea. But it's removal sounds good in
> theory only. Removing it easily once in the ground? Not so easy.
> The problem is that a 5 gal bucket of concrete weighs about 300 lb!
> Good luck pulling that back out of the ground. Ever tried to pull a
> fence post up out of the ground that is set with just a single 80 lb
> bag of Quikrete once it has settled for a couple of days? Takes a
> huge amount of rocking and considerable digging. It's back breaking.
> Can't imagine trying to pull 300 lb of concrete up without digging
> around it 180 degrees, breaking it first, tilting it over and pulling
> it up in pieces. And if in a bucket, you can't break it. Why not just
> leave the concrete and cover it with dirt? It's cheap.
>
> But just sitting a 5 gallon bucket with 300 lb of concrete in it with
> such a light load on the ground should work fine, depending on how
> tall the mast is. But that doesn't get the 6M loop above the eaves.
>
> For perspective on wind loading, a 20' flagpole requires a hole a
> couple foot across a minimum of 18" deep to keep it from listing over
> time. But it has a heavy wind load of course if it has a couple flags
> on it. A typical un-guyed 25' vertical, like a Butternut, only needs
> a post hole dug and a single 80 lb. bag of premix to keep it from
> listing over time due to its relatively light wind load. I like the
> single post hole arrangement for such verticals. You can mount a
> mast/antenna in a sleeve in the hole, fill with concrete and top off
> the last few inches with soil. Then when you are ready to move, you
> pull the antenna up out of the sleeve (insure you put anti-seize in
> the sleeve when it was installed) and cover it with dirt. The only
> thing lost is the concrete and the sleeve. If you put up something
> with more top load/leverage with a larger mast pipe than a typical 25'

> vertical, then you just make the hole larger in diameter and a touch
> deeper. You don't need to use a sacrificial sleeve on the mast; I
> would just consider the bottom mast set in the concrete sacrificial
> and simply cut it off at the concrete when you move. Just buy a new
> mast pipe and consider it part of the cost of moving, or live with it
> 2' shorter. Or sleeve it if you like when installed.
>
> Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon
> bucket (about 1' in diameter") with a 20'- 1" mast in it with that
> tiny 6M loop in it would stand vertical for many years, if you could
> get away with it by your landlord.
>
> 73,
>
> Scott AC8DE
>
> *From:*ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> *Sent:* Wednesday, September 10, 2014 9:08 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Re: Non permanent antenna U bolt mount
>
> I would mount it on the Ground ,fill a 5gal bucket with quick crete
> bury it with mounting pipe in it to set your Aluminum masts in , then
> you can remove it whenever you move easily no attaching to building
> this should work for a short mast set up like yours . Your landlord
> would appreciate it as well cause clamps can do some damage and dents.
> Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH
>
>

33956. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 15:36:57 UTC
From: Van Lincoln
Topic: 33945 Message: 33956

"And if in a bucket, you can't break it. Why not
just leave the concrete and cover it with dirt? It's cheap."
The last line of the original message is easy to
accomplish, takes very little work. see below:

I have done this, more or less, by digging a
hole, putting a pole in the hole,(makeing sure it was vertical)
and then filling the hole with concrete up to
about 8" from the grass level. When finished, it will be sturdy, and
support an antenna, and when you Leave the rental
house, dig out the sod and dirt 8" down to the concrete, use a
circular saw with a metal cutting blade to cut
off the pole, now it's below ground level, and fill in the dirt and sod.
You'll never know anything was there in a couple
weeks, ir you keep it watered so the sod regrows.

wd8aam
van

At 15:12 9/10/2014, you wrote:

>I have a 5 gallon bucket filled with concrete on
>my deck which I use as an umbrella stand (it has
>two carrying handles and a PVC tube embedded in the concrete).
>
>While it is certainly heavy, it weighs nowhere
>near 300 lbs. I'd guess 85-100 lbs. at most. I
>can move it around reasonably easily.
>
>DaveD
>
>On 9/10/2014 8:40 AM, 'Scott Myers'
><mailto:ac8de@ameritech.net>ac8de@... [ham-antennas] wrote:
>>
>>
>>I used to rent myself many years ago. I'd
>>guess your landlord would care less about a
>>hole in the yard than something attached to the
>>house that could potentially damage the house's eaves and paint.
>>
>>
>>
>>About the 5 gallon buried bucket... and its
>>future removal. The buried concrete is a great
>>idea. But it's removal sounds good in theory
>>only. Removing it easily once in the

>>ground? Not so easy. The problem is that a 5
>>gal bucket of concrete weighs about 300
>>lb! Good luck pulling that back out of the
>>ground. Ever tried to pull a fence post up out
>>of the ground that is set with just a single 80
>>lb bag of Quikrete once it has settled for a
>>couple of days? Takes a huge amount of rocking
>>and considerable digging. It's back
>>breaking. Can't imagine trying to pull 300 lb
>>of concrete up without digging around it 180
>>degrees, breaking it first, tilting it over and
>>pulling it up in pieces. And if in a bucket,
>>you can't break it. Why not just leave the
>>concrete and cover it with dirt? It's cheap.
>>
>>
>>
>>But just sitting a 5 gallon bucket with 300 lb
>>of concrete in it with such a light load on
>>the ground should work fine, depending on how
>>tall the mast is. But that doesn't get the 6M loop above the eaves.
>>
>>
>>
>>For perspective on wind loading, a 20' flagpole
>>requires a hole a couple foot across a minimum
>>of 18" deep to keep it from listing over
>>time. But it has a heavy wind load of course
>>if it has a couple flags on it. A typical
>>un-guyed 25' vertical, like a Butternut, only
>>needs a post hole dug and a single 80 lb. bag
>>of premix to keep it from listing over time due
>>to its relatively light wind load. I like the
>>single post hole arrangement for such
>>verticals. You can mount a mast/antenna in a
>>sleeve in the hole, fill with concrete and top
>>off the last few inches with soil. Then when
>>you are ready to move, you pull the antenna up
>>out of the sleeve (insure you put anti-seize in
>>the sleeve when it was installed) and cover it
>>with dirt. The only thing lost is the concrete
>>and the sleeve. If you put up something with
>>more top load/leverage with a larger mast pipe
>>than a typical 25' vertical, then you just make
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>>deeper. You don't need to use a sacrificial
>>sleeve on the mast; I would just consider the
>>bottom mast set in the concrete sacrificial and
>>simply cut it off at the concrete when you
>>move. Just buy a new mast pipe and consider it

>>part of the cost of moving, or live with it 2'
>>shorter. Or sleeve it if you like when installed.
>>
>>
>>
>>Like W5HEH suggests, I'd surmise that a hole
>>the size of a 5 gallon bucket (about 1' in
>>diameter") with a 20'- 1" mast in it with that
>>tiny 6M loop in it would stand vertical for
>>many years, if you could get away with it by your landlord.
>>
>>
>>
>>73,
>>
>>Scott AC8DE
>>
>>
>>
>>
>>
>>From:
>><mailto:ham-antennas@yahoogroups.com>ham-antennas@yahoogroups.com
>>[mailto:ham-antennas@yahoogroups.com]
>>Sent: Wednesday, September 10, 2014 9:08 AM
>>To: <mailto:ham-antennas@yahoogroups.com>ham-antennas@yahoogroups.com
>>Subject: [ham-antennas] Re: Non permanent antenna U bolt mount
>>
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>>attaching to building this should work for a
>>short mast set up like yours . Your landlord
>>would appreciate it as well cause clamps can do
>>some damage and dents. Soil can be just pushed
>>around ! hihi. Enjoy all, 73s, AJ W5HEH
>
>
>
>

33957. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 16:34:01 UTC
From: Chuck Schultz
Topic: 33945 Message: 33957

I doubt you ever pull it from in the ground though. I would like to see the man that could pull a 5 gallon bucket buried in the ground and then filled with concrete and left for a year or so . The fence post is a good example . Chuck Wq5B

On 9/10/2014 10:12 AM, Dave Daniel kc0wjn@... [ham-antennas] wrote:

> I have a 5 gallon bucket filled with concrete on my deck which I use
> as an umbrella stand (it has two carrying handles and a PVC tube
> embedded in the concrete).
>
> While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess
> 85-100 lbs. at most. I can move it around reasonably easily.
>
> DaveD
>
> On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas]
> wrote:
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>> I used to rent myself many years ago. I'd guess your landlord would
>> care less about a hole in the yard than something attached to the
>> house that could potentially damage the house's eaves and paint.
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>> fence post up out of the ground that is set with just a single 80 lb
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>> flags on it. A typical un-guyed 25' vertical, like a Butternut, only
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>> from listing over time due to its relatively light wind load. I like

>> the single post hole arrangement for such verticals. You can mount a
>> mast/antenna in a sleeve in the hole, fill with concrete and top off
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>> pull the antenna up out of the sleeve (insure you put anti-seize in
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>> with more top load/leverage with a larger mast pipe than a typical
>> 25' vertical, then you just make the hole larger in diameter and a
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>> buy a new mast pipe and consider it part of the cost of moving, or
>> live with it 2' shorter. Or sleeve it if you like when installed.
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>> Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon
>> bucket (about 1' in diameter") with a 20'- 1" mast in it with that
>> tiny 6M loop in it would stand vertical for many years, if you could
>> get away with it by your landlord.
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>> 73,
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>> Scott AC8DE
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>> *From:*ham-antennas@yahoogroups.com
>> [mailto:ham-antennas@yahoogroups.com]
>> *Sent:* Wednesday, September 10, 2014 9:08 AM
>> *To:* ham-antennas@yahoogroups.com
>> *Subject:* [ham-antennas] Re: Non permanent antenna U bolt mount
>>
>> I would mount it on the Ground ,fill a 5gal bucket with quick crete
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http://www.avast.com

33958. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 17:17:57 UTC
From: Scott McDonald
Topic: 33945 Message: 33958

Or you might consider home brewing something like the commercial flat roof mounts, that have a platform and a bit of a
tripod, and would allow you to stack bricks or bags of sand or whatever on the platform. I've done this with a 7 ft tripod that bolts to a plywood deck and had it work well.

73 Scott

Make something good happen!
> On Sep 10, 2014, at 5:34 PM, "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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> I doubt you ever pull it from in the ground though. I would like to see the man that could pull a 5 gallon bucket buried in the ground and then filled with concrete and left for a year or so . The fence post is a good example . Chuck Wq5B
>> On 9/10/2014 10:12 AM, Dave Daniel kc0wjn@... [ham-antennas] wrote:
>> I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).
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>> While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.
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>> DaveD
>>
>>> On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:
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>>> I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's eaves and paint.
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>>> About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.
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>>> But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.
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>>> For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.
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>>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>> Sent: Wednesday, September 10, 2014 9:08 AM
>>> To: ham-antennas@...m
>>> Subject: [ham-antennas] Re: Non permanent antenna U bolt mount
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33959. RE: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 17:27:43 UTC
From: Scott Myers
Topic: 33945 Message: 33959

Woops! You are right. I made a math error. It's more like 100 lb. Still, it's going to be difficult to pull from the ground.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 10:49 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Non permanent antenna U bolt mount

On 09/10/14 10:40, 'Scott Myers' ac8de@... wrote:

> About the 5 gallon buried bucket... and its future removal. The buried
> concrete is a great idea. But it's removal sounds good in theory only.
> Removing it easily once in the ground? Not so easy. The problem is
> that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling
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> considerable digging. It's back breaking. Can't imagine trying to pull
> 300 lb of concrete up without digging around it 180 degrees, breaking it
> first, tilting it over and pulling it up in pieces. And if in a bucket,
> you can't break it.

How much does a 5 gallon bucket of concrete weight?
depending upon the type of concrete and the mix rate, a gallon of
concrete weighs anywhere from 17-20 lbs. So 85 to 100lbs plus the weight
of the bucket.

from:
http://wiki.answers.com/Q/How_much_does_a_5_gallon_bucket_of_concrete_weight

I can carry a 5 gallon pail of water, dirt or bricks all over the
place and I can even carry my XYL around and I'm 72.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33960. RE: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 17:31:20 UTC
From: Scott Myers
Topic: 33945 Message: 33960

The difficulty is the potential damage to the house and how the landlord views this. The landlord could evict you for doing this is he wanted to. It won't make him happy regardless. I know if I owned the house, I would not be pleased if my tenant didn't get approval beforehand. I'd never approve anything on the roof due to the potential of breaking the seal of the roof system.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 1:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Or you might consider home brewing something like the commercial flat roof mounts, that have a platform and a bit of a

tripod, and would allow you to stack bricks or bags of sand or whatever on the platform. I've done this with a 7 ft tripod that bolts to a plywood deck and had it work well.

73 Scott

Make something good happen!

On Sep 10, 2014, at 5:34 PM, "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I doubt you ever pull it from in the ground though. I would like to see the man that could pull a 5 gallon bucket buried in the ground and then filled with concrete and left for a year or so . The fence post is a good example . Chuck Wq5B

On 9/10/2014 10:12 AM, Dave Daniel kc0wjn@... [ham-antennas] wrote:

I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).

While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.

DaveD

On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:

I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's eaves and paint.

About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck

pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.

But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.

For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.

Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon bucket (about 1' in diameter") with a 20'- 1" mast in it with that tiny 6M loop in it would stand vertical for many years, if you could get away with it by your landlord.

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From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 9:08 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Non permanent antenna U bolt mount

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33961. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 17:41:54 UTC
From: Keith Heimbold
Topic: 33945 Message: 33961

I won't do anything to his house that would have potential impact. I am using a tripod for a 5BTV and it is working fine with elevated radials. I plan to build the stub tuned radials referenced by butternut manual (I used before with a butternut vertical before I sold it many moons ago).

The bucket is a very good idea but I will probably keep it above ground not buried. I will probably go that route and use a couple Dacron lines tied to fruit trees to keep it from falling over. The M2 loop is extremely light and i think since i will be taking it down after use I am not too concerned about it being a problem staying vertical. It will be a good experiment nevertheless.

Keith

Sent from my iPhone please excuse typos

> On Sep 10, 2014, at 10:31 AM, "'Scott Myers' ac8de@ameritech.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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> The difficulty is the potential damage to the house and how the landlord views this. The landlord could evict you for doing this is he wanted to. It won't make him happy regardless. I know if I owned the house, I would not be pleased if my tenant didn't get approval beforehand. I'd never approve anything on the roof due to the potential of breaking the seal of the roof system.
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> Sent: Wednesday, September 10, 2014 1:18 PM
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> 73 Scott

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> Make something good happen!
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33962. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 17:58:30 UTC
From: Timothy-Allen Albertson
Topic: 33945 Message: 33962

The other issue on rental property is that something, other than business fixtures on commercial leasehold property, an item permanently affixed to real property by a tenant becomes, in the absence of an agreement to the contrary may not need to be in writing but as a practical matter has better be, becomes a fixture and the property of the landlord. Courts, due the nature of Ham Radio gear being similar to business fixtures because of licensing, etc,, might have carved out, or might carve out, an exception for Ham Radio gear. But dont count on it unless it has already been done and one has a citation for the case law.

I say this about having something in writing as a practical matter. Most contracts dont need to be in writing. But its harder to prove an oral contract and that difficulty in proving an oral contract grows wth the uniqueness of the subject of the contract. And writing does not be one instrument nor what is traditionally though of a signed writing. A number of writings can prove something and writing includes video and audio tapes, computer memory, and anything which permanently records a thought.

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Wed, Sep 10, 2014 at 12:31 PM, 'Scott Myers' ac8de@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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> The difficulty is the potential damage to the house and how the landlord
> views this. The landlord could evict you for doing this is he wanted to.
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> *Sent:* Wednesday, September 10, 2014 1:18 PM
> *To:* ham-antennas@yahoogroups.com
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33963. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 19:00:27 UTC
From: KA4INM radio
Topic: 33945 Message: 33963

On 09/10/14 12:34, Chuck Schultz wq5b@... wrote:

> I doubt you ever pull it from in the ground though. I would like to see
> the man that could pull a 5 gallon bucket buried in the ground and then
> filled with concrete and left for a year or so. The fence post is a
> good example

I have been doing that for over 40 years, you rock it side to side
and after you open the sand on both sides about 3 inches each you start
rocking it front to back and when you hear the water making noise you
squat down and give it a tiny tight bear hug and slowly stand up. This
is of coarse in West central Florida in sandy or mucky soil. My XYL
can't even get one started.
My father in law burred several big butted tree bottoms that my XYL had
to have moved, those I had to dig up completely.
(4" at the top and 14" at the bottom)

To get up a 5 gallon pail, dig a post hole next to it, up under the
bottom of the pail a bit and start rocking the post in the concrete,
first one way then the other.
I will admit, both of these take some determination.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33964. RE: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 19:25:16 UTC
From: Richard Schmuke
Topic: 33945 Message: 33964

I would not attach any thing to the house, with a little wind the home will be damaged. Several years ago I needed a antenna mount and made a removable tilt over, the original build was 30 years ago. Here is a rough sketch,

http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html

I have moved it twice and now is in its final resting place because I plan on passing away on this antenna farm. When you look at the drawing and then click on the right hand arrow you can see it mounted in the ground. This can be covered when you move.

Rich, Kd0zz

33965. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 19:35:58 UTC
From: scott
Topic: 33945 Message: 33965

Missed my point , I should have explained better, you use the platform on the ground, the weights are easy to put on and take off, and unless you are killing grass with the platform, there's no potential damage at all. I've had a small hex at 25 feet this way for 4 years, albeit with the rotor at platform level turning the mast. Works well.

73 Scott

Sent from my iPad

> On Sep 10, 2014, at 6:31 PM, "'Scott Myers' ac8de@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> The difficulty is the potential damage to the house and how the landlord views this. The landlord could evict you for doing this is he wanted to. It won't make him happy regardless. I know if I owned the house, I would not be pleased if my tenant didn't get approval beforehand. I'd never approve anything on the roof due to the potential of breaking the seal of the roof system.
>
> Scott AC8DE
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Wednesday, September 10, 2014 1:18 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: Non permanent antenna U bolt mount
>
>
> Or you might consider home brewing something like the commercial flat roof mounts, that have a platform and a bit of a
> tripod, and would allow you to stack bricks or bags of sand or whatever on the platform. I've done this with a 7 ft tripod that bolts to a plywood deck and had it work well.
>
> 73 Scott
>
> Make something good happen!
> On Sep 10, 2014, at 5:34 PM, "Chuck Schultz wq5b@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I doubt you ever pull it from in the ground though. I would like to see the man that could pull a 5 gallon bucket buried in the ground and then filled with concrete and left for a year or so . The fence post is a good example . Chuck Wq5B
> On 9/10/2014 10:12 AM, Dave Daniel kc0wjn@... [ham-antennas] wrote:
>
> I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).

>
> While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.
>
> DaveD
>
> On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:
>
> I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's eaves and paint.
>
> About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.
>
> But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.
>
> For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.
>
> Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon bucket (about 1' in diameter") with a 20'- 1" mast in it with that tiny 6M loop in it would stand vertical for many years, if you could get away with it by your landlord.
>
> 73,
> Scott AC8DE
>

>
> From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
> Sent: Wednesday, September 10, 2014 9:08 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: Non permanent antenna U bolt mount
>
>
> I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH
>
>
>
>
>
>
> This email is free from viruses and malware because avast! Antivirus protection is active.
>
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>
>

33966. Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 20:20:17 UTC
From: A
Topic: 33945 Message: 33966

Ron, remind me not to make you mad , hihi, you are a strong dude ! lol 73s, AJ W5heh

33967. RE: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 20:48:38 UTC
From: Scott Myers
Topic: 33945 Message: 33967

Here in Ohio in the hard clay, you'll never rock it to begin with unless the ground has been saturated with water for a couple weeks and even then, it won't rock much. You'll have to dig out one side.

That's good though because foundations don't shift if excavated correctly.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 3:00 PM
To: ham-antennas@...m
Subject: Re: [ham-antennas] Re: Non permanent antenna U bolt mount

On 09/10/14 12:34, Chuck Schultz wq5b@... wrote:

> I doubt you ever pull it from in the ground though. I would like to see
> the man that could pull a 5 gallon bucket buried in the ground and then
> filled with concrete and left for a year or so. The fence post is a
> good example

I have been doing that for over 40 years, you rock it side to side
and after you open the sand on both sides about 3 inches each you start
rocking it front to back and when you hear the water making noise you
squat down and give it a tiny tight bear hug and slowly stand up. This
is of coarse in West central Florida in sandy or mucky soil. My XYL
can't even get one started.
My father in law burred several big butted tree bottoms that my XYL had
to have moved, those I had to dig up completely.
(4" at the top and 14" at the bottom)

To get up a 5 gallon pail, dig a post hole next to it, up under the
bottom of the pail a bit and start rocking the post in the concrete,
first one way then the other.
I will admit, both of these take some determination.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33968. 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 20:53:34 UTC
From: james27613@...
Topic: 33968 Message: 33968

hi,

When you fill the bucket with concrete put in an additional 3/4" pipe
that has threads on it, cap it and when the time comes to remove the bucket,
just thread on a 3/4" tee fitting and run a chain in the fitting and use a pipe
or beam as lever to lift up the bucket with the concrete in it out of the ground.

The bucket will have smooth sides that conform to the bucket compared to the
hole in the ground with a fence post and concrete, it will be easy to remove,
just don't try it in the winter.

73 james ke4drn

33969. Re: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 22:08:46 UTC
From: Adrian Flynn
Topic: 33968 Message: 33969

A quarter stick of dynamite will remove it also
[?]

72/73
Adrian KF7DYU

On Wed, Sep 10, 2014 at 4:53 PM, james27613@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> hi,
>
> When you fill the bucket with concrete put in an additional 3/4" pipe
> that has threads on it, cap it and when the time comes to remove the
> bucket,
> just thread on a 3/4" tee fitting and run a chain in the fitting and use a
> pipe
> or beam as lever to lift up the bucket with the concrete in it out of the
> ground.
>
> The bucket will have smooth sides that conform to the bucket compared to
> the
> hole in the ground with a fence post and concrete, it will be easy to
> remove,
> just don't try it in the winter.
>
> 73 james ke4drn
>
>
>
>

[Non-text portions of this message have been removed]

33970. Re: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-10 22:55:57 UTC
From: Mel Farrer
Topic: 33968 Message: 33970

Yes, but saturate the ground overnight around the bucket to soften the ground and loosen the dirt to bucket surface.

Mel, K6KBE

On Wednesday, September 10, 2014 3:09 PM, "Adrian Flynn ADRIANJAMESFLYNN@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

A quarter stick of dynamite will remove it also
[?]

72/73
Adrian KF7DYU

On Wed, Sep 10, 2014 at 4:53 PM, james27613@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> hi,
>
> When you fill the bucket with concrete put in an additional 3/4" pipe
> that has threads on it, cap it and when the time comes to remove the
> bucket,
> just thread on a 3/4" tee fitting and run a chain in the fitting and use a
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> or beam as lever to lift up the bucket with the concrete in it out of the
> ground.
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> hole in the ground with a fence post and concrete, it will be easy to
> remove,
> just don't try it in the winter.
>
> 73 james ke4drn
>
>
>
>

[Non-text portions of this message have been removed]

33971. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 00:51:36 UTC
From: Stan Labinsky Jr.
Topic: 33945 Message: 33971

One concern about having the antenna pole exposed at or below grade.

I've seen a commercial tower go over because the concrete block it was set into had a layer of dirt on top of it, contacting the legs of the tower. It was at that point that the galvanizing failed and the steel corroded away.

So, if you go below grade you'll need to add something to protect the below grade tubing.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, September 10, 2014 11:36 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Non permanent antenna U bolt mount

"And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap."
The last line of the original message is easy to accomplish, takes very little work. see below:

I have done this, more or less, by digging a hole, putting a pole in the hole,(makeing sure it was vertical)
and then filling the hole with concrete up to about 8" from the grass level. When finished, it will be sturdy, and
support an antenna, and when you Leave the rental house, dig out the sod and dirt 8" down to the concrete, use a
circular saw with a metal cutting blade to cut off the pole, now it's below ground level, and fill in the dirt and sod.
You'll never know anything was there in a couple weeks, ir you keep it watered so the sod regrows.

wd8aam
van

At 15:12 9/10/2014, you wrote:

I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).

While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.

DaveD

On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@... [ham-antennas] wrote:

I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's

eaves and paint.

About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.

But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.

For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.

Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon bucket (about 1' in diameter") with a 20'- 1" mast in it with that tiny 6M loop in it would stand vertical for many years, if you could get away with it by your landlord.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 10, 2014 9:08 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Non permanent antenna U bolt mount

I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH

33972. AW: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 01:50:05 UTC
From: siegfried jackstien
Topic: 33968 Message: 33972

Why just a uarter stick?!?

Use 2 or 3 sticks and you have a nice deep hole for the next antenna project

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 10. September 2014 22:09
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 5 gallon bucket with concrete in ground how to
> remove
>
>
>
> A quarter stick of dynamite will remove it also
> [?]
>
> 72/73
> Adrian KF7DYU
>
> On Wed, Sep 10, 2014 at 4:53 PM, james27613@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
> >
> >
> > hi,
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> > When you fill the bucket with concrete put in an additional 3/4" pipe
> > that has threads on it, cap it and when the time comes to remove the
> > bucket,
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> > or beam as lever to lift up the bucket with the concrete in it out of
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> > ground.
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> > The bucket will have smooth sides that conform to the bucket compared to
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> > hole in the ground with a fence post and concrete, it will be easy to
> > remove,
> > just don't try it in the winter.

> >
> > 73 james ke4drn
> >
> >
> >
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> [Non-text portions of this message have been removed]
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>

33973. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 02:45:27 UTC
From: Keith Heimbold
Topic: 33945 Message: 33973

Oh I get it now. Not on the house but in the backyard. Now that is a cool idea too. I know a ham in San Diego that has one of those and had a five element M2 on it on top of his flat garage.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 10, 2014, at 10:21 AM, "Scott McDonald ka9p@aol.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Or you might consider home brewing something like the commercial flat roof mounts, that have a platform and a bit of a
> tripod, and would allow you to stack bricks or bags of sand or whatever on the platform. I've done this with a 7 ft tripod that bolts to a plywood deck and had it work well.
>
> 73 Scott
>
> Make something good happen!
>> On Sep 10, 2014, at 5:34 PM, "Chuck Schultz wq5b@valornet.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> I doubt you ever pull it from in the ground though. I would like to see the man that could pull a 5 gallon bucket buried in the ground and then filled with concrete and left for a year or so . The fence post is a good example . Chuck Wq5B
>>> On 9/10/2014 10:12 AM, Dave Daniel kc0wjn@gmail.com [ham-antennas] wrote:
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>>> I have a 5 gallon bucket filled with concrete on my deck which I use as an umbrella stand (it has two carrying handles and a PVC tube embedded in the concrete).
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>>> While it is certainly heavy, it weighs nowhere near 300 lbs. I'd guess 85-100 lbs. at most. I can move it around reasonably easily.
>>>
>>> DaveD
>>>
>>>> On 9/10/2014 8:40 AM, 'Scott Myers' ac8de@ameritech.net [ham-antennas] wrote:
>>>>
>>>> I used to rent myself many years ago. I'd guess your landlord would care less about a hole in the yard than something attached to the house that could potentially damage the house's eaves and paint.
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>>>> About the 5 gallon buried bucket... and its future removal. The buried concrete is a great idea. But it's removal sounds good in theory only. Removing it easily once in the ground? Not so easy. The problem is that a 5 gal bucket of concrete weighs about 300 lb! Good luck pulling that back out of the ground. Ever tried to pull a fence post up out of the ground that is set with just a single 80 lb bag of Quikrete once it has settled for a couple of days? Takes a huge amount of rocking and considerable digging. It's back breaking. Can't imagine trying to pull 300 lb of concrete up without digging around it 180 degrees, breaking it first, tilting it over and pulling it up in pieces. And if in a bucket, you can't break it. Why not just leave the concrete and cover it with dirt? It's cheap.
>>>>
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>>>>
>>>> But just sitting a 5 gallon bucket with 300 lb of concrete in it with such a light load on the ground should work fine, depending on how tall the mast is. But that doesn't get the 6M loop above the eaves.
>>>>
>>>>
>>>>
>>>> For perspective on wind loading, a 20' flagpole requires a hole a couple foot across a minimum of 18" deep to keep it from listing over time. But it has a heavy wind load of course if it has a couple flags on it. A typical un-guyed 25' vertical, like a Butternut, only needs a post hole dug and a single 80 lb. bag of premix to keep it from listing over time due to its relatively light wind load. I like the single post hole arrangement for such verticals. You can mount a mast/antenna in a sleeve in the hole, fill with concrete and top off the last few inches with soil. Then when you are ready to move, you pull the antenna up out of the sleeve (insure you put anti-seize in the sleeve when it was installed) and cover it with dirt. The only thing lost is the concrete and the sleeve. If you put up something with more top load/leverage with a larger mast pipe than a typical 25' vertical, then you just make the hole larger in diameter and a touch deeper. You don't need to use a sacrificial sleeve on the mast; I would just consider the bottom mast set in the concrete sacrificial and simply cut it off at the concrete when you move. Just buy a new mast pipe and consider it part of the cost of moving, or live with it 2' shorter. Or sleeve it if you like when installed.
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>>>> Like W5HEH suggests, I'd surmise that a hole the size of a 5 gallon bucket (about 1' in diameter") with a 20'- 1" mast in it with that tiny 6M loop in it would stand vertical for many years, if you could get away with it by your landlord.
>>>>
>>>>
>>>>
>>>> 73,
>>>>
>>>> Scott AC8DE
>>>>
>>>>
>>>>
>>>>

>>>>
>>>> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>>> Sent: Wednesday, September 10, 2014 9:08 AM
>>>> To: ham-antennas@yahoogroups.com
>>>> Subject: [ham-antennas] Re: Non permanent antenna U bolt mount
>>>>
>>>>
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>>>> I would mount it on the Ground ,fill a 5gal bucket with quick crete bury it with mounting pipe in it to set your Aluminum masts in , then you can remove it whenever you move easily no attaching to building this should work for a short mast set up like yours . Your landlord would appreciate it as well cause clamps can do some damage and dents. Soil can be just pushed around ! hihi. Enjoy all, 73s, AJ W5HEH
>>>>
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>> This email is free from viruses and malware because avast! Antivirus protection is active.
>>
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>

33974. Re: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 08:21:24 UTC
From: Adrian Flynn
Topic: 33968 Message: 33974

You ever been under the fallout from too much dynamite when a BOSS got
overly enthusiastic with dynamite?

I have NO THANKS, use minimum amount of power to do the job!

BTW: IF it sweats run like hell!

72/73
Adrian KF7DYU

On Wed, Sep 10, 2014 at 9:50 PM, 'siegfried jackstien'
siegfried.jackstien@freenet.de [ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

>
>
> Why just a uarter stick?!?
>
> Use 2 or 3 sticks and you have a nice deep hole for the next antenna
> project
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Mittwoch, 10. September 2014 22:09
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] 5 gallon bucket with concrete in ground how
> to
> > remove
> >
> >
> >
> > A quarter stick of dynamite will remove it also
> > [?]
> >
> > 72/73
> > Adrian KF7DYU
> >
> > On Wed, Sep 10, 2014 at 4:53 PM, james27613@...
> [ham-antennas] <
> > ham-antennas@yahoogroups.com> wrote:
> >

> > >
> > >
> > > hi,
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> > > When you fill the bucket with concrete put in an additional 3/4" pipe
> > > that has threads on it, cap it and when the time comes to remove the
> > > bucket,
> > > just thread on a 3/4" tee fitting and run a chain in the fitting and
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> > a
> > > pipe
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> > > ground.
> > >
> > > The bucket will have smooth sides that conform to the bucket compared
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> > > the
> > > hole in the ground with a fence post and concrete, it will be easy to
> > > remove,
> > > just don't try it in the winter.
> > >
> > > 73 james ke4drn
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> > [Non-text portions of this message have been removed]
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33975. Re: 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 09:51:11 UTC
From: jc_2aussie
Topic: 33968 Message: 33975

Set your 5gallon bucket in the ground , insert a pvc sleeve that your antenna mast will slide into, add your concrete, .
When its time to move , pull the mast out , dig down to the bucket which you set 12 inches below ground level, and cut the pvc sleeve.
The bucket and concrete are left and buried, it is not worth the effort to remove them , and you still have to find more soil to fill in the hole if you do.
My 2 cents worth

Jeff VK4FNRS

Sent from Samsung tablet

33976. AW: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 10:08:31 UTC
From: siegfried jackstien
Topic: 33968 Message: 33976

Oh yes ... a drop of that sweating is dangerous :-)

There are much safer things our now

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 11. September 2014 08:21
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 5 gallon bucket with concrete in ground how to
> remove
>
>
>
> You ever been under the fallout from too much dynamite when a BOSS got
> overly enthusiastic with dynamite?
>
> I have NO THANKS, use minimum amount of power to do the job!
>
> BTW: IF it sweats run like hell!
>
> 72/73
> Adrian KF7DYU
>
> On Wed, Sep 10, 2014 at 9:50 PM, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
>
> Why just a uarter stick?!?
>
> Use 2 or 3 sticks and you have a nice deep hole for the next antenna
> project
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----

> > Von: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> > Gesendet: Mittwoch, 10. September 2014 22:09
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] 5 gallon bucket with concrete in
> ground how to
> > remove
> >
> >
> >
> > A quarter stick of dynamite will remove it also
> > [?]
> >
> > 72/73
> > Adrian KF7DYU
> >
> > On Wed, Sep 10, 2014 at 4:53 PM, james27613@... [ham-
> antennas] <
> > ham-antennas@yahoogroups.com> wrote:
> >
> > >
> > >
> > > hi,
> > >
> > > When you fill the bucket with concrete put in an additional 3/4"
> pipe
> > > that has threads on it, cap it and when the time comes to remove
> the
> > > bucket,
> > > just thread on a 3/4" tee fitting and run a chain in the fitting
> and use
> > > a
> > > pipe
> > > or beam as lever to lift up the bucket with the concrete in it
> out of
> > > the
> > > ground.
> > >
> > > The bucket will have smooth sides that conform to the bucket
> compared to
> > > the
> > > hole in the ground with a fence post and concrete, it will be
> easy to
> > > remove,
> > > just don't try it in the winter.
> > >
> > > 73 james ke4drn
> > >
> > >
> > >

> > >
> >
> > [Non-text portions of this message have been removed]
> >
> >
> >
> >
>
>
>
>
>

33977. Re: [ham-antennas] 5 gallon bucket with concrete in ground how to remove

Yahoo group: ham-antennas (2014)
Date: 2014-09-11 13:38:20 UTC
From: Timothy-Allen Albertson
Topic: 33968 Message: 33977

put some eye bolts in the next one so you can winch or use a motor vehicle
to
pull it out

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Wed, Sep 10, 2014 at 5:08 PM, Adrian Flynn ADRIANJAMESFLYNN@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> A quarter stick of dynamite will remove it also
> [?]
>
> 72/73
> Adrian KF7DYU
>
> On Wed, Sep 10, 2014 at 4:53 PM, james27613@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
> >
> >
> > hi,
> >
> > When you fill the bucket with concrete put in an additional 3/4" pipe
> > that has threads on it, cap it and when the time comes to remove the
> > bucket,
> > just thread on a 3/4" tee fitting and run a chain in the fitting and use
> a
> > pipe
> > or beam as lever to lift up the bucket with the concrete in it out of the
> > ground.
> >
> > The bucket will have smooth sides that conform to the bucket compared to
> > the
> > hole in the ground with a fence post and concrete, it will be easy to
> > remove,
> > just don't try it in the winter.
> >
> > 73 james ke4drn
> >
> >
> >

> >
>
> [Non-text portions of this message have been removed]
>
>
>

33978. checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 08:11:45 UTC
From: Alan
Topic: 33978 Message: 33978

I was trying to check the resonant frequency of my 30 Metre loop antenna (from the Shack end of the coax), what I am not sure about is whether the frequency read out should be at 30 metres or possibly twice that frequency. appreciate some advice on this

Alan ZL3KR

33979. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 08:53:16 UTC
From: Keith Heimbold
Topic: 33945 Message: 33979

Thanks Rich for the drawing of the tilt up. Looks interesting. I wanted to get something up before this weekend but been putting in lots of hours this week at work. Today was a 19 hour workday. Maybe tomorrow I can figure out what I will end up doing.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 10, 2014, at 12:25 PM, "'Richard Schmuke' rdj@wildblue.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I would not attach any thing to the house, with a little wind the home will be damaged. Several years ago I needed a antenna mount and made a removable tilt over, the original build was 30 years ago. Here is a rough sketch,
>
>
>
> http://s1102.photobucket.com/user/KD0ZZ/media/Tilt2.jpg.html
>
>
>
> I have moved it twice and now is in its final resting place because I plan on passing away on this antenna farm. When you look at the drawing and then click on the right hand arrow you can see it mounted in the ground. This can be covered when you move.
>
>
>
> Rich, Kd0zz
>
>

33980. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 11:22:38 UTC
From: Original Woodchuck
Topic: 33978 Message: 33980

On Fri, Sep 12, 2014 at 08:11:45PM +1200, Alan zl3kr@... [ham-antennas] wrote:
> I was trying to check the resonant frequency of my 30 Metre loop antenna
> (from the Shack end of the coax), what I am not sure about is whether the
> frequency read out should be at 30 metres or possibly twice that frequency.
> appreciate some advice on this
>
> Alan ZL3KR

Do you want the "technician" or the "extra" [US license classes]
answers? I tend to give the "extra" answer. The "tech" answer is,
"Your analyzer should read an SWR of 2 at the shack end of the coax".
"Tech" answers are short, definite and typically wrong.

Now the "extra" answer: (long, vague and partially right.)

It depends on what you mean by "30 Metre loop antenna". This problem
of naming pervades all kinds of ham antennas.

Is it a "antenna made of 30 meters of wire", or an antenna made for "use
on the 30 meter band"?

Fortunately in the case of loops, a very common kind of loop uses as
much wire as the band name, i.e. a wavelength's length of wire. But there
are other kinds of loops that do not.

Assuming your loop for 30 m uses 30 m of "thin" wire, fed in the middle of
the bottom side of its square shape[*], then the antenna should resonate
at a frequency somewhere in the 30 m band, i.e. around 10 MHz. In fact,
such a 1-lambda loop will resonate at n*10 MHz, i.e. 10, 20, 30,...,
so the answer to your question is "which frequency to read out" is "YES".

[*] notice I had to guess "middle", "bottom" and "square". I also guessed
"vertical plane" for the loop. These are common guesses. Later, I'll
guess RG-58/U for coax type. I'll also guess there is no balun. I also
guessed the height of the loop above ground, but just to irritate the
haters, I won't say what I guessed. Some on this list hate me because
I don't correctly guess their thoughts. Others hate me because I won't
reveal my guesses. I try to please both types.

Now the question becomes, "What will I read?" Well, you should read
an impedance of <mumble> +j0 ohms, i.e. no reactance. That's if you
read the meter at the antenna. At 10MHz, something like 100+j0 ohm.
At 20Mhz, maybe 240+j0, at 30 Mhz, maybe 250+j0, at 40MHz, maybe 300+j0.

At the end of the coax in the shack? Depends on two things, after you
decide on the frequency to read. Let's say you pick 10MHz. Then the
answer depends on the kind of coax and the length of the coax. Picking

the kind of coax fixes two parameters: the characteristic impedance of the coax, often 50 or 72 ohms, and the attenuation factor of the coax, which is to say, how many decibels 100 feet [not meters] of the wire will turn to heat at the chosen frequency. Knowing the input impedance (100+j0 @ 10MHz), the characteristic impedance ("Z0") of the wire, the attenuation constant ("alpha"), the velocity factor ("vf") of the specific coax, and the length of the coax, we can calculate (i.e. predict) what the analyzer will read at the shack end.

For RG-58/U cable, the shack-end impedance can run from 100 to 25 ohms resistive and the reactive part can run from +j35 to -j35 ohms or so. Not all combinations occur. You can read them from a Smith chart, or run a "transmission line" program, such as "TL.EXE". (or ask me nicely...).

Balun? Balun? Did someone say "balun"? No, nobody said "balun".

Dave AB3NR

33981. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 12:29:38 UTC
From: KA4INM radio
Topic: 33978 Message: 33981

On 09/12/14 04:11, Alan zl3kr@... wrote:

> I was trying to check the resonant frequency of my 30 Metre loop antenna
> (from the Shack end of the coax), what I am not sure about is whether the
> frequency read out should be at 30 metres or possibly twice that frequency.
> appreciate some advice on this

All antennas operate the most efficiently when they are naturally
resonate at the frequency that you are operating on.
This is most easily determined by sweeping the antenna system with a
return loss bridge. Low reflected power frequently occurs very close to
this frequency, but this relates more to the feedline to antenna match
than anything else.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33982. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 13:58:43 UTC
From: WVØH
Topic: 33978 Message: 33982

This statement is wrong. Resonance has nothing to do with efficiency. Efficiency is all about maximum power transfer from source to load and a conjugate match. For example, (there are many but will expand on one), an extended double Zepp antenna fed with open wire feeders is an antenna that is "non-resonant" but is very efficient by itself. I have an open wire fed 40m doublet that operates as an extended double zepp on 17m. And when I say by itself, I mean that you can introduce inefficiencies with a lossy match from 50-Ω unbalanced to high Z balanced match, and that has to be considered as well.

The definition of resonance is defined as a vector addition of the capacitive reactance and inductive reactance in a complex circuit containing such elements equals zero, leaving a pure resistance in the circuit. Now, this can occur at a 50 Ω point or not. So an antenna that happens to be truly resonant at 50 Ω (which is quite rare) then maximum power transfer can occur.

Now if we consider the addition of a transmission line added to the circuit we can introduce mismatch loss. This loss is the loss due to a complex impedance attached to the output side of a transmission line that is not terminated in its characterisitc impedance. For instance, a 450 Ω ladder line terminated with 50 ohms or vice versa where a 50 Ω line is terminated with 450 Ω. This creates standing waves and subsequently a high SWR on the transmission line.

```
The below phot shows the frequency sweep of an antenna that is resonant at two points. Once
near the center where it crosses the horizontal axis, and again resonant at a place just
past the "5" on the Smith chart". It is resonant at two places.

----------

The next photo shows the same response displayed as an SWR response. Find the two
resonances here. You can't because the response is displaying the magnitude of the response
without regard to phase.

----------

Myron WVØH
Printed on Recycled Data

> On Sep 12, 2014, at 6:29 AM, "KA4INM radio ka4inm@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> All antennas operate the most efficiently when they are naturally
> resonate at the frequency that you are operating on

[Non-text portions of this message have been removed]
```

33983. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 14:04:08 UTC
From: Don Sanders
Topic: 33978 Message: 33983

Nice explanation Myron, however the pictures were stripped from the explanation. They need to be added to the photo gallery.

Dr. Don W4BWS

On Fri, Sep 12, 2014 at 8:58 AM, WVØH s9plus@... [ham-antennas] < ham-antennas@yahoogroups.com> wrote:

>
>
> This statement is wrong. Resonance has nothing to do with efficiency.
> Efficiency is all about maximum power transfer from source to load and a
> conjugate match. For example, (there are many but will expand on one), an
> extended double Zepp antenna fed with open wire feeders is an antenna that
> is "non-resonant" but is very efficient by itself. I have an open wire fed
> 40m doublet that operates as an extended double zepp on 17m. And when I say
> by itself, I mean that you can introduce inefficiencies with a lossy match
> from 50-Ω unbalanced to high Z balanced match, and that has to be
> considered as well.
>
> The definition of resonance is defined as a vector addition of the
> capacitive reactance and inductive reactance in a complex circuit
> containing such elements equals zero, leaving a pure resistance in the
> circuit. Now, this can occur at a 50 Ω point or not. So an antenna that
> happens to be truly resonant at 50 Ω (which is quite rare) then maximum
> power transfer can occur.
>
> Now if we consider the addition of a transmission line added to the
> circuit we can introduce mismatch loss. This loss is the loss due to a
> complex impedance attached to the output side of a transmission line that
> is not terminated in its characterisitc impedance. For instance, a 450 Ω
> ladder line terminated with 50 ohms or vice versa where a 50 Ω line is
> terminated with 450 Ω. This creates standing waves and subsequently a high
> SWR on the transmission line.
>
> The below phot shows the frequency sweep of an antenna that is resonant at
> two points. Once near the center where it crosses the horizontal axis, and
> again resonant at a place just past the "5" on the Smith chart". It is
> resonant at two places.
>
> ----------
>
> The next photo shows the same response displayed as an SWR response. Find
> the two resonances here. You can't because the response is displaying the
> magnitude of the response without regard to phase.

>
> ----------
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Sep 12, 2014, at 6:29 AM, "KA4INM radio ka4inm@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> >
> > All antennas operate the most efficiently when they are naturally
> > resonate at the frequency that you are operating on
>
> [Non-text portions of this message have been removed]
>
>
>

33984. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 14:49:10 UTC
From: Kenneth G. Gordon
Topic: 33978 Message: 33984

On 12 Sep 2014 at 7:58, WVØH s9plus@... [ham-antennas] wrote:

> Resonance has nothing to do with efficiency. Efficiency is all about maximum
> power transfer from source to load and a conjugate match.

Absolutely correct. Gee...

A resonant antenna is "nice" to have, but that, alone does not effect
efficiency...or at all, for that matter.

Matching impedances for maximum power transfer is the key to
efficiency....like from a final amplifier its the load.

Same deal.

Ken W7EKB

33985. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 18:00:05 UTC
From: farrerfolks@...
Topic: 33978 Message: 33985

A series trap and a 50 ohm resistor is a perfect match and maximum power transfer, but does not radiate, much. The series trap can be a long wire with X inductance hence reactance and a series cap of opposite reactance. It will radiate some but the bulk of the energy will go to the resistor. I think we are running around the load matrix question without really getting to the core of a efficient radiating antenna.

Mel, K6KBE

33986. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 21:16:19 UTC
From: farrerfolks@...
Topic: 33978 Message: 33986

BTW, here is an excellent tutorial on antenna efficiency. Take a look.
http://www.qsl.net/w5vv/AntennaEfficiency.pdf
http://www.qsl.net/w5vv/AntennaEfficiency.pdf

Mel, K6KBE

33987. re:checking antenna resonance with MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 21:53:00 UTC
From: Alan
Topic: 33987 Message: 33987

Thanks very much for all the replies and I very obviously did not be specific enough
about the antenna I am trying to check.
Firstly I have only recently purchased the 259B so have no experience in using it
but going by the instructions resonance should be where it shows minimum reactanceThe antenna is a 10 Mhz loop broadly triangular shaped with the top and feed point up the mast at 30 feet and the bottom of the triangle is about 6 feet off the ground.
Currently it is straight fed with 50 ohm co-ax so I know there is going to be a mismatch.
I don't know the actual length of the co-ax as it comes down from the last to a junction box on the outside of the house then through the brick wallof the house into my shack (about 6 to 7 metres.
The two sloping legs would be approx 12 metres long at the base about 6 metres,
is it likely to be more efficient if I was able to make two of the legs about 9 metres and the other 12 increasing the angle between the two sloping legs??

I will sit down and read through all the replies and thanks a lot for your help

Alan ZL3KR

33988. Re: [ham-antennas] checking antenna resonance MFJ259B

Yahoo group: ham-antennas (2014)
Date: 2014-09-12 22:35:27 UTC
From: Original Woodchuck
Topic: 33978 Message: 33988

On Fri, Sep 12, 2014 at 02:16:19PM -0700, farrerfolks@... [ham-antennas] wrote:
> BTW, here is an excellent tutorial on antenna efficiency. Take a look.
http://www.qsl.net/w5vv/AntennaEfficiency.pdf
http://www.qsl.net/w5vv/AntennaEfficiency.pdf
>
> Mel, K6KBE

I just took a glance at that. Good call, Mel, that's definitely a
keeper, and kudos to Phil Salas, AD5X, who wrote it. There's more
there than just efficiency, including numerous interesting and sometimes
hard-to-find formulas.

Dave AB3NR

33989. RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 12:12:49 UTC
From: email4utoo@...
Topic: 33989 Message: 33989

Last time i brought up the topic of a 5 Gal cement bucket as solution, here it got a huge response and we all got something and even some smiles from the answers .
I do not expect the same but still want to know : got some RG 316 on sale recently ,(sorry finished), wanted to see how to use it as a Feedline , yah i know normally not used for this for us Ham Ops. . Have not had a good result so far on transmit for my verticle, (i know i need more Radials), also questioned a pre-molded R8x 100 or so Footer of feedline- so yesterday. Put some PL259s ,(not crimped , hihi one pulled out even after i epoxied it !) i put to much pressure raising it , on my OCF, (off center fed), Dipole up in the Trees . So changed strategy and repaired it and hooked it up to my Vertical , i was trying to contact one of the Route 66 special event stations , and no success, after remembering i did not retune - so after doing it i came back and tried again and the op. told me was much better signal, still not super strong , but never the less could hear me and i was happy with the result .
Sorry long story now my Question -
Tell me chime in , anyone here have tried or have knowledge to share on this or similar Feedlines, i do not have used Lmr 400 or even know what it looks like , or the smaller feedlines. What small lines used for HF with good success, how many Watts did you run ?? Does Crimping have durability ? never tried it . If yes , what brand and best source to save costs . I am not planning to bury it , do not think it was designed for this . We can all learn from my simple Questions , appreciate it .

Just back into this Great hobby in last 6mos , was Ham in 60s as a Teen- i used the Heaviest lines i could afford in those days . 73s, AJ" w5heh - Ozarks

33990. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 13:16:12 UTC
From: KA4INM radio
Topic: 33989 Message: 33990

On 09/13/14 08:12, email4utoo@... wrote:

> ... but still want to know : got some RG 316 on
> sale recently, (sorry finished), wanted to see how to use it as a
> Feedline, yah I know normally not used for this for us Ham Ops. Have
> not had a good result so far on transmit for my vertical, (I know I need
> more Radials), also questioned a pre-molded R8X 100 or so Footer of
> feedline- so yesterday. Put some PL259s, (not crimped, hihi one pulled
> out even after I epoxied it!) I put to much pressure raising it, on my
> OCF. (off center fed) Dipole up in the Trees. So changed strategy and
> repaired it and hooked it up to my Vertical, I was trying to contact
> one of the Route 66 special event stations, and no success, after
> remembering I did not retune - so after doing it I came back and tried
> again and the op. told me was much better signal, still not super strong,
> but never the less could hear me and I was happy with the result.

Simple answer = 2.7 dB loss per 100 feet at 10 MHz.
{half of your transmit power lost on 20 meters}

(at 50.0 MHz it's 5.6 dB per 100') {almost 3/4 of your power lost}
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

33991. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 13:25:43 UTC
From: email4utoo@...
Topic: 33989 Message: 33991

link here for Coax losses /Types , RG 316 not listed but handy-
Coax Loss Calculator http://arrg.us/pages/Loss-Calc.htm

http://arrg.us/pages/Loss-Calc.htm

Coax Loss Calculator http://arrg.us/pages/Loss-Calc.htm [Home] [Rig That Station] [RadEIOver] [March 18th, 2007] [About ARRG.US] [Repeater Fund] [Project Articles] [Tail Gate] [Club Repeaters] [Guidelines...

View on arrg.us http://arrg.us/pages/Loss-Calc.htm
Preview by Yahoo

33992. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 14:16:46 UTC
From: Don Sanders
Topic: 33989 Message: 33992

Hi AJ, I have not used the RG 316. I have used RG8X for 20 + years up to 600 watts (SB200) with good results. I use 9913 for VHF. I use only solder connectors no crimp and I make sure there is strain/stress relief in each connector. Usually a mil-Dacron line tied both sides and a support point, sometimes with a drain loop to help keep water off the protective covering.

I also have 300 ohm foam/PVC conered feedline to 80/40 all band doublet and 88 foot center fed inverted"L". I use coax to beams, except experimental 17 meter 2 el beam with 17 and 20 reflectors and 15 meter director. Works very well all 3 bands fed with 300 ohm line.

Hope this helps.

Dr. Don W4BWS

On Sat, Sep 13, 2014 at 7:12 AM, email4utoo@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Last time i brought up the topic of a 5 Gal cement bucket as solution,
> here it got a huge response and we all got something and even some smiles
> from the answers .
> I do not expect the same but still want to know : got some RG 316 on
> sale recently ,(sorry finished), wanted to see how to use it as a Feedline
> , yah i know normally not used for this for us Ham Ops. . Have not had a
> good result so far on transmit for my verticle, (i know i need more
> Radials), also questioned a pre-molded R8x 100 or so Footer of feedline- so
> yesterday. Put some PL259s ,(not crimped , hihi one pulled out even after
> i epoxied it !) i put to much pressure raising it , on my OCF, (off center
> fed), Dipole up in the Trees . So changed strategy and repaired it and
> hooked it up to my Vertical , i was trying to contact one of the Route 66
> special event stations , and no success, after remembering i did not retune
> - so after doing it i came back and tried again and the op. told me was
> much better signal, still not super strong , but never the less could hear
> me and i was happy with the result .
> Sorry long story now my Question -
> Tell me chime in , anyone here have tried or have knowledge to share on
> this or similar Feedlines, i do not have used Lmr 400 or even know what it
> looks like , or the smaller feedlines. What small lines used for HF with
> good success, how many Watts did you run ?? Does Crimping have durability ?
> never tried it . If yes , what brand and best source to save costs . I am
> not planning to bury it , do not think it was designed for this . We can
> all learn from my simple Questions , appreciate it .
>
> Just back into this Great hobby in last 6mos , was Ham in 60s as a Teen- i

> used the Heaviest lines i could afford in those days . 73s, AJ" w5heh -
> Ozarks
>
>
>
>
>

33993. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 14:37:40 UTC
From: Mel Farrer
Topic: 33989 Message: 33993

Similar to all of the small dia coax, RG178, RG174 etc. Too lossy for any feedlines. I do use it for short interconnects on projects.

Mel, K6KBE

On Saturday, September 13, 2014 6:25 AM, "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

link here for Coax losses /Types , RG 316 not listed but handy-
Coax Loss Calculator

Coax Loss Calculator
[Home] [Rig That Station] [RadEIOver] [March 18th, 2007] [About ARRG.US] [Repeater Fund] [Project Articles] [Tail Gate] [Club Repeaters] [Guidelines...
View on arrg.us Preview by Yahoo

33995. (no subject)

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 23:07:38 UTC
From: dave ammerman
Topic: 33995 Message: 33995

New ham interested in antennas.

33996. RE: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 23:14:53 UTC
From: Joe Wolfe
Topic: 33995 Message: 33996

Dave..

First thing to learn in Amateur Radio.If you want information, be very specific. Your comment below makes no sense what-so-ever. We have no idea *what* you want in an antenna.for a handy talkie, 10 meters, Beam, vertical, long wire, Windom, and on and on. And then, what frequency (ies) do you want to work?

Help us, help you.

Joe Wolfe - W7RKN

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Subject: [ham-antennas] (unknown)

New ham interested in antennas.

33997. RE: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-13 23:26:05 UTC
From: kg5cna@...
Topic: 33995 Message: 33997

I thought this went to the moderator. I was not aware it was going to the group. So it does make sense. My plan is to lurk for awhile and read the other posts. :) Thank you for the reply.

33998. Re: [ham-antennas] Ringo Ranger ARX-270B

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 00:27:48 UTC
From: Todd F. Carney / K7TFC
Topic: 33998 Message: 33998

Any pvc in the mast structure would break after a while. I think it's safe to assume the default mast is metal.

Before you're inundated with "Don't use grease! It's an insulator!" advice, for two pieces of aluminum clamped together the worlds worst insulator would be grease. The metal comes in direct contact so many places in a greased joint that there will be zero resistance -- at least no more than a dry joint.

The anti-oxidizing hoop made for this purpose is NOT conductive. Take a dab of it and measure across it with a DMM and the reading will be "OL" for open loop.

Todd K7TFC
On Sep 13, 2014 3:38 PM, "vhfuhfgal@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I have a simple question, I have refurbished a Cushcraft ARX-270 B, the
> older version that has the ring with the 3 radials on the bottom of it. The
> manual is poorly written, it says user supplied mast for the radials and
> phasing coax.
> I have to check the coax section out before I put this in the air.
> Plus what I am needing to know, is the mast section supposed to be metal
> or other material like PVC?
> I have a mast to use with it but wanted to get it right after several
> tries.
> Cleaned it well with Brasso polish, a scotch cleaning pad(non abrasive
> green p[ad for kitchen use usually)
> Then applied some black grease for aluminum electrical contacts.
> I have some other antennas, Butternut but I am signed up there too:)
> OK, I am curious because I would love to get this antenna working, I have
> heard it can b e made to work on 440 mhz as well but likely not as much
> gain or such.
> Any caveats on the way I cleaned this up or anything? I am ready to try
> my MFJ Antenna analyzer but hoping to get that or something in the air
> befoer it gets cold here.
> Thanks to the group, 73,Michelle WW7F
>
>
>
>

33999. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 02:22:56 UTC
From: Kenneth G. Gordon
Topic: 33989 Message: 33999

On 13 Sep 2014 at 7:37, Mel Farrer farrerfolks@... [ham-ant wrote:

> Similar to all of the small dia coax, RG178, RG174 etc. Too lossy for any
> feedlines. I do use it for short interconnects on projects.
>
> Mel, K6KBE

Capacitance per foot of that small coax is...um..."rather large".

As you, I use it for interconnects on projects, mostly at AF.

Ken W7EKB

34000. Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 02:51:52 UTC
From: Keith Heimbold
Topic: 33945 Message: 34000

I will post some photos of the antenna tomorrow once the concrete dries.
Also update on 5BTV. Worked Benin today on 15m with 400W elevated on the MFJ tripod with three resonant radials on that band. I can't believe it. My QTH in San Jose, CA is no buena but it happened.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 9, 2014, at 5:03 AM, "Keith Heimbold" <ag6az@...> wrote:
>
> I am putting up a five 4' military aluminum masts with the M2 6m loop antenna at the top and want to use a non permanent / non penetrating mount on the wooden eave of the house I am renting. The antenna weighs less than two pounds and has very little wind load. Any thoughts or ideas.
>
> Btw, I decided that since I have the 5BTV now tuned I am taking back the Gap Eagle DX I bought at HRO. I was able to make plenty of DX contacts with the hustler and would rather put that money spent towards something more interesting than another compromise vertical. Maybe I will regret it, maybe not. Been looking at the foldingantenna.com hex beam like portable antenna sold in the US by vibroplex or figuring out a way to homebrew one. It is a pretty cool potential option for me in a ham world where everything needs to be mounted portable and taken down after every use.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos

34001. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 04:02:15 UTC
From: Jim Bennett
Topic: 33945 Message: 34001

Keith - Congrats on that Benin QSO today! I've had my 5BTV for at least 20 years, in several QTH's. The best performance I got out of it was when living in Martinez (next to Walnut Creek / Concord - east bay). I had it mounted on the roof of my one story house, four tuned radials for 40, 20, 15, 10 and two tuned radials on 80. Performance on 10, 15, and 20 was OK, but not as good as my yagi at 40 feet. However, it really shined on 40 and 80 meter CW. I used to work gray line DX in the early morning - tons and tons of Asian stations, including some juicy ones - take a look at my QSL section on my web page: www.w6jhb.com

I now live in Folsom (25 miles east of Sacramento) and have it configured for 40, 30, 20, 15, and 10 meters. It is ground mounted and I've got 40 radials of various lengths buried in the grass. I use it only as a "diversity receive" antenna on my Elecraft K3; the main / transmit antenna is an 88 foot long doublet at 45 feet. The combination of that horizontal antenna and the 5BTV vertical makes QSB a lot easier to deal with.

Anyway, again - congrats and enjoy that vertical!

73, Jim / W6JHB

On Sep 13, 2014, at 7:51 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:

> I will post some photos of the antenna tomorrow once the concrete dries.
> Also update on 5BTV. Worked Benin today on 15m with 400W elevated on the MFJ tripod with three resonant radials on that band. I can't believe it. My QTH in San Jose, CA is no buena but it happened.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> > On Sep 9, 2014, at 5:03 AM, "Keith Heimbold" <ag6az@...> wrote:
> >
> > I am putting up a five 4' military aluminum masts with the M2 6m loop antenna at the top and want to use a non permanent / non penetrating mount on the wooden eave of the house I am renting. The antenna weighs less than two pounds and has very little wind load. Any thoughts or ideas.
> >
> > Btw, I decided that since I have the 5BTV now tuned I am taking back the Gap Eagle DX I bought at HRO. I was able to make plenty of DX contacts with the hustler and would rather put that money spent towards something more interesting than another compromise vertical. Maybe I will regret it, maybe not. Been looking at the foldingantenna.com hex beam like portable antenna sold in the US by vibroplex or figuring out a way to homebrew one. It is a pretty cool potential option for me in a ham world where everything needs to be mounted portable and taken down after every use.
> >

> > Keith
> > AK6ZZ
> >
> > Sent from my iPhone please excuse typos
>

34002. Re: [ham-antennas] RG 316 experiences/results as feedline ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 05:12:09 UTC
From: Andy
Topic: 33989 Message: 34002

Ken wrote:

"Capacitance per foot of that small coax is...um..."rather large"."

No different than other coax, even the fat stuff.

Capacitance per foot is IDENTICAL for any 50 ohm coax with the same dielectric constant (propagation velocity); and it doesn't vary very much as the propagation constant changes.

Both the outer and inner conductor diameters scale, so the capacitance stays the same.

RG-316 and the like are very well suited for (a) winding chokes, and (b) going through windows or other tight spaces where the windows have metal and a flat unshielded feedline won't work. At HF. You wouldn't want to run it the whole way to your antenna some distance away, but short runs are OK at HF. But also keep in mind its power handling capability, which depends on the SWR. You can fry your cable.

Regards,
Andy

34003. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 14:47:30 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34003

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /10-20M BAND VERTICAL.NEC.txt
Uploaded by : schwartzj22 <schwartzj22@...>
Description : 4nec2 design for 10-20M Band vertical.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/10-20M%20BAND%20VERTICAL.NEC.txt

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

schwartzj22 <schwartzj22@...>

34004. 10-20M band vertical

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 14:49:51 UTC
From: schwartzj22@...
Topic: 34004 Message: 34004

To all,

I have placed a 4nec2 design file entitled, 10-20M BAND VERTICAL.NEC.txt, in the file section. This is not my original design, I just tweaked it. In theory, this is a killer design!

Take a look at it and tell me what you think. I would like to fabricate this in such a way that it is a temporary / portable antenna but I need some tips / help on how best to build this.

One thing to note is the meaning of the word Verttot. For example, Verttot20m = total end height of 20m wire, elevation included.

Any help is appreciated,

Joel – N3GSE

34005. Re: [ham-antennas] Re: Non permanent antenna U bolt mount

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 16:54:15 UTC
From: Original Woodchuck
Topic: 33945 Message: 34005

On Sat, Sep 13, 2014 at 07:51:52PM -0700, Keith Heimbold ag6az@... [ham-antennas] wrote:
> I will post some photos of the antenna tomorrow once the concrete dries.
> Also update on 5BTV. Worked Benin today on 15m with 400W elevated on the MFJ tripod with three resonant radials on that band. I can't believe it. My QTH in San Jose, CA is no buena but it happened.
>
> Keith
> AK6ZZ

Nice contact! Maybe that solar storm is paying off? The timing is about right.

Dave AB3NR

34006. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-14 18:49:13 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34006

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Turning 5BTV Vertical Antenna/Vertical Antenna Initial Set Up.xlr
Uploaded by : bill_kb2gf <worahm@...>
Description : Installing Radials on a Hustler 5-BTV Vertical Antenna

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/Turning%20%205BTV%20Vertical%20Antenna/Vertical%20Antenna%20Initial%20Set%20Up.xlr

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

bill_kb2gf <worahm@...>

34007. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 00:51:59 UTC
From: Dale Miller
Topic: 394 Message: 34007

On 9/14/2014 1:49 PM, ham-antennas@yahoogroups.com wrote:
> Hello,
>
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the ham-antennas
> group.
>
>
> File : /Turning 5BTV Vertical Antenna/Vertical Antenna Initial Set Up.xlr
> Uploaded by : bill_kb2gf <worahm@...>
> Description : Installing Radials on a Hustler 5-BTV Vertical Antenna
>
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/ham-antennas/files/Turning%20%205BTV%20Vertical%20An
tenna/Vertical%20Antenna%20Initial%20Set%20Up.xlr
>
>
> To learn more about file sharing for your group, please visit:
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
>
> Regards,
>
>
> bill_kb2gf <worahm@...>
>
>

What does this file open in Bill?

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

34008. Re: [ham-antennas] (unknown)

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 01:25:28 UTC
From: dalecole3502@...
Topic: 33995 Message: 34008

Welcome Dave! As someone said before, just be specific about what youre looking for or just lurk and see what others are talking about.... there is a lot of experience on this board and if you got a question.....just ask.....most know at least something about almost anything. Everybody helps everybody
Cheers,
Dale K8TS

----- Original Message -----

From: "dave ammerman kg5cna@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 13, 2014 7:07:38 PM
Subject: [ham-antennas] (unknown)

New ham interested in antennas.

34009. MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 01:34:05 UTC
From: osianfion@...
Topic: 34009 Message: 34009

Hi All,
I have an MFJ 4601 window feedthrough panel. It is designed to pass coax, so 50 ohm (nominal) SO-239 connectors. My question to the group is can I use two spare feedthrough center pins to pass 450-ohm ladderline without messing up the match or should I return the 4601 for the mixed connector version? Still unopened in the box but if I can get away with it I would prefer to forgo the hassles of return/exchanging.

73,
Bob Cavanaugh - AG6YK

34010. RE: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 01:57:23 UTC
From: John Murphy
Topic: 34009 Message: 34010

Bob,

I would go the next model up, which is the 4602, and spend the extra $10 to get the correct one for the balanced line. That way you do not have to worry about the possibility of any mismatches. Just my opinion.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, September 14, 2014 7:34 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] MFJ Window feedthrough question

Hi All,
I have an MFJ 4601 window feedthrough panel. It is designed to pass coax, so 50 ohm (nominal) SO-239 connectors. My question to the group is can I use two spare feedthrough center pins to pass 450-ohm ladderline without messing up the match or should I return the 4601 for the mixed connector version? Still unopened in the box but if I can get away with it I would prefer to forgo the hassles of return/exchanging.

73,
Bob Cavanaugh - AG6YK

34011. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 02:34:16 UTC
From: Andy
Topic: 394 Message: 34011

Dale wrote:

"What does this file open in Bill?"

My PC says it is a Microsoft Works spreadhsheet, and when I double-click on it, Works indeed runs and opens it. I didn't even know I had Microsoft Works on this PC.

I tried Libre Office (an OpenOffice variant), and it opened it too. Don't know about Excel, but I think it should.

Regards,
Andy

34012. Re: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 02:48:31 UTC
From: Kenneth G. Gordon
Topic: 34009 Message: 34012

On 14 Sep 2014 at 19:57, 'John Murphy' jmurphy7411@... [ham-
wrote:

> Bob,
>
> I would go the next model up, which is the 4602, and spend the extra $10 to
> get the correct one for the balanced line. That way you do not have to worry
> about the possibility of any mismatches. Just my opinion.

I agree, although if that was all you had, it would work OK.

Depending on the spacing, there MIGHT be a small "impedance lump" there,
but in most cases, you could probably safely ignore it.

My opinon only.

Ken W7EKB

34013. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 05:33:40 UTC
From: Alex Netherton
Topic: 394 Message: 34013

Most pc's have Works, you just never see it. I do think however that since XP it hasn't been on new ones. Might think about an upgrade!
On Sep 14, 2014 10:35 PM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Dale wrote:
>
> "What does this file open in Bill?"
>
> My PC says it is a Microsoft Works spreadhsheet, and when I double-click
> on it, Works indeed runs and opens it. I didn't even know I had Microsoft
> Works on this PC.
>
> I tried Libre Office (an OpenOffice variant), and it opened it too. Don't
> know about Excel, but I think it should.
>
> Regards,
> Andy
>
>
>
>

34014. AW: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 08:44:27 UTC
From: siegfried jackstien
Topic: 34009 Message: 34014

Ignore it ... it will work fine with 2 coax connectors side by side

Or

Make 2 new holes in it and install 2 new feed-trough insulators

.....

The nice thing with using 2 coax connectors for the ladderline is:

With grounding the shields of the 2 connectors you also have a nice
lightning safety arrestor at the shacks entrance ...

BUT depending on antenna and ladderline length used you can have a high
impedance spot exactly at that connector and with a bit higher power have a
flash over possibility there that you would not have with a high voltae
feedtrough without a grounded shield so close

....

To make it short

Use what you have

Test it with grounded and ungrunded shields

And you can change that later if needed

If you have no trouble with flashing overs on any band

Fine ... use the 2 coax connectors grounded and have a bit higher safety

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 15. September 2014 02:49
> An: 'John Murphy' jmurphy7411@... [ham-antennas]
> Betreff: Re: [ham-antennas] MFJ Window feedthrough question
>
>
>
> On 14 Sep 2014 at 19:57, 'John Murphy' jmurphy7411@... [ham-
> wrote:
>
> > Bob,
> >

> > I would go the next model up, which is the 4602, and spend the extra $10
> to
> > get the correct one for the balanced line. That way you do not have to
> worry
> > about the possibility of any mismatches. Just my opinion.
>
> I agree, although if that was all you had, it would work OK.
>
> Depending on the spacing, there MIGHT be a small "impedance lump" there,
> but in most cases, you could probably safely ignore it.
>
> My opinon only.
>
> Ken W7EKB
>
>
>

34015. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 13:46:39 UTC
From: worahm@...
Topic: 394 Message: 34015

I created the file in MicroSoft Works Spread Sheet. It should also work with MS Office.

Bill KB2GF

34016. Re: AW: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 15:55:07 UTC
From: Robert Cavanaugh
Topic: 34009 Message: 34016

Thanks for the responses, I will try the grounded solution after checking some numbers.

73,
Bob Cavanaugh -ag6yk

On Sep 15, 2014, at 1:44 AM, "'siegfried jackstien' siegfried.jackstien@...
[ham-antennas]"<ham-antennas@yahoogroups.com> wrote:

> Ignore it ... it will work fine with 2 coax connectors side by side
>
> Or
>
> Make 2 new holes in it and install 2 new feed-trough insulators
>
> .....
>
> The nice thing with using 2 coax connectors for the ladderline is:
>
> With grounding the shields of the 2 connectors you also have a nice
> lightning safety arrestor at the shacks entrance ...
>
> BUT depending on antenna and ladderline length used you can have a high
> impedance spot exactly at that connector and with a bit higher power have a
> flash over possibility there that you would not have with a high voltae
> feedtrough without a grounded shield so close
>
> ....
>
> To make it short
>
> Use what you have
>
> Test it with grounded and ungrunded shields
>
> And you can change that later if needed
>
> If you have no trouble with flashing overs on any band
>
> Fine ... use the 2 coax connectors grounded and have a bit higher safety
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]

> > Gesendet: Montag, 15. September 2014 02:49
> > An: 'John Murphy' jmurphy7411@... [ham-antennas]
> > Betreff: Re: [ham-antennas] MFJ Window feedthrough question
> >
> >
> >
> > On 14 Sep 2014 at 19:57, 'John Murphy' jmurphy7411@... [ham-
> > wrote:
> >
> > > Bob,
> > >
> > > I would go the next model up, which is the 4602, and spend the extra $10
> > to
> > > get the correct one for the balanced line. That way you do not have to
> > worry
> > > about the possibility of any mismatches. Just my opinion.
> >
> > I agree, although if that was all you had, it would work OK.
> >
> > Depending on the spacing, there MIGHT be a small "impedance lump" there,
> > but in most cases, you could probably safely ignore it.
> >
> > My opinon only.
> >
> > Ken W7EKB
> >
> >
> >
>
>

34017. Re: MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 15:35:23 UTC
From: A
Topic: 34009 Message: 34017

Bob, just for convenience i would use the the model with proper connectors, If you used two center connections and run a short coax inside to them , the impedance should not be affected that much , just be careful to do good quality work . if this was the only one available i would try it out and see , yah returns are a hassle, hihi. I am using my Homebrew Hillbilly Ham Board i made and sprayed it white drilled holes for SO 239s and bolts for mounting a ground , later when i try out some open Feed i will simply drill out to fit the ceramic connectors , when the storms come i unhook everything , will not take a chance , to hard to replace your equipt. and wait etc , hihi. 73s, "AJ" The Hillbilly Ham , Ozarks.

34018. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:07:59 UTC
From: Andy
Topic: 394 Message: 34018

Alex wrote:

"I do think however that since XP it hasn't been on new ones. Might think about an upgrade!"

Windows 7 here, and it still comes with Microsoft Works in it.

Andy

34019. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:15:44 UTC
From: Andy
Topic: 394 Message: 34019

On Mon, Sep 15, 2014 at 8:39 AM, KA4INM radio <ka4inm@...> wrote:

As far as I know Excel IS the spread sheet in Microsoft office.
>

It is.

But the Microsoft Works spreadsheet program is in there too, not part of Microsoft Office but part of Windows.

And many people don't have Microsoft Office. It doesn't come with Windows.

I mentioned OpenOffice and Libre Office, which are completely separate from Microsoft Office and do not come from Microsoft. They are how the rest of us (who don't want to pay Bill Gates for the privilege of using Microsoft Office) get to open .DOC files and .XLS files and .PPT files and ... etc. But alas, it is not fully 110% compatible, there are occasional glitches, and sometimes my fingers default to the Microsoft Office way of doing things.

Regards,
Andy

34020. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:19:28 UTC
From: Don Sanders
Topic: 394 Message: 34020

When I downloaded the file it was a.TXT file which is not an EXCEL or WORKS graphic file.
It made no sense.

Dr. Don W4BWS

On Mon, Sep 15, 2014 at 11:15 AM, Andy ai.egrps@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On Mon, Sep 15, 2014 at 8:39 AM, KA4INM radio <ka4inm@gmail.com> wrote:
>
> As far as I know Excel IS the spread sheet in Microsoft office.
>>
>
> It is.
>
> But the Microsoft Works spreadsheet program is in there too, not part of
> Microsoft Office but part of Windows.
>
> And many people don't have Microsoft Office. It doesn't come with Windows.
>
> I mentioned OpenOffice and Libre Office, which are completely separate
> from Microsoft Office and do not come from Microsoft. They are how the
> rest of us (who don't want to pay Bill Gates for the privilege of using
> Microsoft Office) get to open .DOC files and .XLS files and .PPT files and
> ... etc. But alas, it is not fully 110% compatible, there are occasional
> glitches, and sometimes my fingers default to the Microsoft Office way of
> doing things.
>
> Regards,
> Andy
>
>
>
>

34021. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:20:09 UTC
From: Alex Netherton
Topic: 394 Message: 34021

"Windows 7 here, and it still comes with Microsoft Works in it."

OK. I haven't played with 7 as much as I have with XP, Vista (yes, Vista, and I like it) and 8/8.1. Current computer is a Gateway quad core with 8.1, and no works. Libre Office, along with its estranged sister Apache Open Office are nice for opening almost any file type. Oftimes, MS Office (Word) cannot even open a Works document! Check this out! <http://brunogirin.blogspot.com/2011/04/libreoffice-to-rescue.html>

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Mon, Sep 15, 2014 at 12:07 PM, Andy ai.egrps@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Alex wrote:
>
> "I do think however that since XP it hasn't been on new ones. Might
> think about an upgrade!"
>
> Windows 7 here, and it still comes with Microsoft Works in it.
>
> Andy
>
>
>
>

34022. Re: [ham-antennas] Re: MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:24:16 UTC
From: Alex Netherton
Topic: 34009 Message: 34022

Um, I would not use grounded coax connectors. A balanced line antenna is not going to be happy and present a good load to a matching network, and will no longer be balanced. Now, if you fed the balanced line through the center conductors of two coax connectors, it might work, but I would just put in a pair of balanced line feeders, and be done with it. Or, just exchange the thing for the next model up and eat the postage.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Mon, Sep 15, 2014 at 11:35 AM, A email4utoo@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Bob, just for convenience i would use the the model with proper
> connectors, If you used two center connections and run a short coax inside
> to them , the impedance should not be affected that much , just be careful
> to do good quality work . if this was the only one available i would try it
> out and see , yah returns are a hassle, hihi. I am using my Homebrew
> Hillbilly Ham Board i made and sprayed it white drilled holes for SO 239s
> and bolts for mounting a ground , later when i try out some open Feed i
> will simply drill out to fit the ceramic connectors , when the storms come
> i unhook everything , will not take a chance , to hard to replace your
> equipt. and wait etc , hihi. 73s, "AJ" The Hillbilly Ham , Ozarks.
>
>

34023. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:28:28 UTC
From: Andy
Topic: 394 Message: 34023

Dr. Don wrote:

"When I downloaded the file it was a.TXT file which is not an EXCEL or WORKS graphic file.
It made no sense."

Are we talking about the same file? That file is named:

"Turning 5BTV Vertical Antenna/Vertical Antenna Initial Set Up.xlr"

Some web browsers do funny things with filename extensions. Maybe yours saw it as an "unknown" file type and changed the file extension to .TXT because it thought it was 'helping' you. Just rename it back to .XLR.

If you were talking about a different file, then this Excel/Works stuff doesn't apply.

Regards,
Andy

34024. Re: MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:40:10 UTC
From: A
Topic: 34009 Message: 34024

i guess banana plugs into the center would work , 73s, AJ W5heh

34025. Re: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:48:40 UTC
From: Andy
Topic: 34009 Message: 34025

Bob wrote:

"can I use two spare feedthrough center pins to pass 450-ohm ladderline without messing up the match"

This is HF, right?

Then the answer is YES -- Absolutely!

You can, it won't mess up the match, and you don't need to change it to the other version. If you want to change it anyway, just to look "prettier", that's fine too; but you wouldn't be doing it to preserve the match. That would be for aesthetic, not electrical, reasons.

At 30 MHz, a wavelength is 10 meters. How long is that "discontinuity" through the SO-239's? Maybe 1/100th of a wavelength? A few thousandths of a wavelength? You won't notice it, and neither will the electrons.

If you were concerned about that minuscule discontinuity, you wouldn't be using ladderline. Ladderline has an impedance discontinuity at every 'rung' or window of the ladder. If it mattered, you wouldn't be using ladderline because all those little discontinuities would mess up the impedance.

Now if you were pushing UHF or a few GHz through the feedthru panel, then it would matter. But not at HF.

Regards,
Andy

34026. Re: [ham-antennas] Re: MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 16:54:36 UTC
From: Andy
Topic: 34009 Message: 34026

"... and will no longer be balanced."

Bob was talking about using a PAIR of coax connectors. Basically, he's got two short barrels which are insulated from chassis, and they handily take banana plugs on both ends. The balance is preserved.

Andy

34027. Re: AW: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 17:23:38 UTC
From: Original Woodchuck
Topic: 34009 Message: 34027

On Mon, Sep 15, 2014 at 08:55:07AM -0700, Robert Cavanaugh osianfion@... [ham-antennas] wrote:
> Thanks for the responses, I will try the grounded solution after checking some numbers.

I've heard of running ladderline to a panel, then turning it into a pair of coax cables, one conductor of the ladder line to each of the center conductors of the coaxes. The shields of the coaxes are connected to each other and grounded. So I have questions:

1) Does it work?
2) Which end should be connected and grounded?
3) SHould the other end leave the shields unconnected/ungrounded?

The goal of this drill is to lead the feed to a balanced tuner, supposing you have one. The shielding is rumored to prevent "RF in the shack". Coaxes should be equal length.

Leaving one end of the shields floating is said to avoid a ground loop.

Comments, anyone? I've never done this, but am curious.

FWIW, I agree with other commenters that using the coax sockets will cause an impedance bump, maybe even some reactance, but nothing you can't tune out later, or may not even notice.

BTW, You can use banana plugs on the ladder line to connect to the coax center conductors. I can also imagine a way to cobble a PL-259 to fit, but I think that might increase the size of the "bump".

You can measure most of this with an antenna analyzer if you've one handy.

You can also place a balun at the window panel and make a transition to coax there. Or put it in a box outside, run a little bit of coax down to the panel. 4:1 balun is traditional for this. The box might also have a switch to short the two sides of the ladder line together and lead them off to ground.

Dave AB3NR

34028. Re: [ham-antennas] Re: MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 18:22:06 UTC
From: Robert Cavanaugh
Topic: 34009 Message: 34028

Hi all,
Thanks for the responses. Yes Andy, I am talking about just using the center conductor of two adjacent unused connectors, not splicing into a coax cable. I bought this at my local HRO, or as I call it, "My other paycheck deposit window". They special-ordered it so return would be an extra hassle. The more I think about it, I agree, there should be no appreciable problems, a very small discontinuity at best. Thanks again.

73s,
Bob Cavanaugh - AG6YK

On Monday, September 15, 2014 9:55 AM, "Andy ai.egrps@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

"... and will no longer be balanced."

Bob was talking about using a PAIR of coax connectors. Basically, he's got two short barrels which are insulated from chassis, and they handily take banana plugs on both ends. The balance is preserved.

Andy

34029. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 19:01:11 UTC
From: Ed Simpson
Topic: 394 Message: 34029

Hi, they do have pgms that will allow you to open office files. I just typed in read xl documents and it displayed several locations to down load the tiny pgm. Used to do this when my office would get a newer version of an office file (we had 2007 and the file was a 2010) and it let us open it without any problems. they have them for docs, and ss.

Have fun
Ed
W6EDD

From: "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, September 15, 2014 9:28 AM
Subject: Re: [ham-antennas] New file uploaded to ham-antennas

Dr. Don wrote:

"When I downloaded the file it was a.TXT file which is not an EXCEL or WORKS graphic file. It made no sense."

Are we talking about the same file? That file is named:

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Some web browsers do funny things with filename extensions. Maybe yours saw it as an "unknown" file type and changed the file extension to .TXT because it thought it was 'helping' you. Just rename it back to .XLR.

If you were talking about a different file, then this Excel/Works stuff doesn't apply.

Regards,
Andy

34030. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 18:58:06 UTC
From: hermit418@...
Topic: 33900 Message: 34030

What is your budget for an antenna? Since you have a nice square roof and if your budget allows for it you could build a four-square antenna vertical array and be able to use it like a vertical 2 element beam.

As for the S-9 type antennas, you can get them fairly cheap right now on Cheap ham while they last and the 31 footer is a good choice. If you attach a wire at the top and run it out at least 6o feet or more you have an inverted L which works nicely on 80 and if you have a good tuner can be made to work on 160 too.

How about trying a design I came up with many years ago:

Take 4 metal masts at least 20 feet high and insulate them from the bottom, Next attach a loop so it make good mechanical and electrical contact with the four masts. Next, feed either one of the masts at the bottom or directly the loop like you would only attach the feed line at one corner and pick the corner that the opposite direction would give you the greatest coverage away from it. Use a 4:1 or at least a 1:1 current balun if using coax, or better still directly fed with 450 or 600 OHM feed line to a tuner and it covers 80-10 and if the total including the masts are at least a 1/4 wave on 160 it will tune there as well.

I have used this at many locations and built dozens for others. It works great on DX as you get several take off angles depending on fee point and it works both Vertically AND Horizontally due to the masts and loop being polarized as they are.

I call it the Bob Tail Curtain Loop. 450 or 600 OHM line is best to use as feed line but you can go through a good balun (current not voltage) and use coax if you prefer. Depending on your rig, I have used 50-75 coax including RG-6 (Cable TV coax) with excellent results. I prefer 450 or 600 OHM as it transfers the most RF into the antenna as opposed to unbalanced coax.

Since you have four corners I would think about seriously, low wind load, just make sure the mast are guyed and you have a solid insulator on each mast if concerned about wind. This has stayed up in 80 MPH wind sustained for over an hour. It worked on mountain tops in high winds, easy to put up or take down. Handles whatever power your feed line, (balun) and tuner is rated for and is very low noise on receive. On transmit due to the size of the loop it might be multiple wavelengths on the higher bands 20-6. which computes to some gain as well.

This antenna is very easy to build, doesn't cost much depending on what you use to construct it, EMT, Pipe, Masting and wire. Feedline you can make yourself out of 14-10 guage insulated or open wire and osme plastic coat hangers, or other type of non conductive spreaders, wind a balun if needed and either trim it to resonance or better still get a good tuner with a built in balun.

Good luck

73
KG6ABF

Scott

34031. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 19:57:08 UTC
From: worahm@...
Topic: 394 Message: 34031

Hi Ed.

I composed the spread sheet on Microsoft Word Spread Sheet. It has an XLR extension. Read about XLR files here... http://pcsupport.about.com/od/fileextensions/f/xlrfile.htm

There should be free read only XLR programs that you can download available on the Internet.

Bill KB2GF

34032. Re: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 20:04:30 UTC
From: Stan Labinsky Jr.
Topic: 34009 Message: 34032

Yes Dave you can do that, I've seen where whole 'balanced' shielded runs were implemented in that fashion.

However, and this could be a big stopper, there will be added capacitance between the two legs of the balanced line caused by the presence of the common tied shields and the cable's center insulator.

Will this be a problem? Definitely... maybe! It will all depend on what the impedance looks like at the tuner, with and without that extra capacitance.

If the antenna is already in place and the feeder is already coming in to the shack, adding the intended coax and feed through connectors and testing for the ability to match the antenna on all intended bands will show you whether the gate is open or closed to the idea.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, September 15, 2014 1:23 PM
To: mailto:ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] MFJ Window feedthrough question

On Mon, Sep 15, 2014 at 08:55:07AM -0700, Robert Cavanaugh osianfion@... [ham-antennas] wrote:
> Thanks for the responses, I will try the grounded solution after checking some numbers.

I've heard of running ladderline to a panel, then turning it into a pair of coax cables, one conductor of the ladder line to each of the center conductors of the coaxes. The shields of the coaxes are connected to each other and grounded. So I have questions:

1) Does it work?
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3) SHould the other end leave the shields unconnected/ungrounded?

The goal of this drill is to lead the feed to a balanced tuner, supposing you have one. The shielding is rumored to prevent "RF in the shack". Coaxes should be equal length.

Leaving one end of the shields floating is said to avoid a ground loop.

Comments, anyone? I've never done this, but am curious.

FWIW, I agree with other commenters that using the coax sockets will cause an impedance bump, maybe even some reactance, but nothing you can't tune out later, or may not even notice.

BTW, You can use banana plugs on the ladder line to connect to the coax center conductors. I can also imagine a way to cobble a PL-259 to fit,

but I think that might increase the size of the "bump".

You can measure most of this with an antenna analyzer if you've one handy.

You can also place a balun at the window panel and make a transition to coax there. Or put it in a box outside, run a little bit of coax down to the panel. 4:1 balun is traditional for this. The box might also have a switch to short the two sides of the ladder line together and lead them off to ground.

Dave AB3NR

34033. Re: Need Antenna Suggestions

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 20:39:35 UTC
From: rolandbrade@...
Topic: 33900 Message: 34033

For little cost you could make an Inverted L. Just use the dimensions for the W3DZZ, which will make the total length about 54 feet. You can always put an 80 metre trap in and then it will cover 160 as well. Of course it would then be a bit longer.
I have made one to cover 160 as well and it really flies on all bands.
Good luck and good building
Roley G3VIR

---In ham-antennas@yahoogroups.com, <hermit418@...> wrote :

What is your budget for an antenna? Since you have a nice square roof and if your budget allows for it you could build a four-square antenna vertical array and be able to use it like a vertical 2 element beam.

As for the S-9 type antennas, you can get them fairly cheap right now on Cheap ham while they last and the 31 footer is a good choice. If you attach a wire at the top and run it out at least 6o feet or more you have an inverted L which works nicely on 80 and if you have a good tuner can be made to work on 160 too.

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Take 4 metal masts at least 20 feet high and insulate them from the bottom, Next attach a loop so it make good mechanical and electrical contact with the four masts. Next, feed either one of the masts at the bottom or directly the loop like you would only attach the feed line at one corner and pick the corner that the opposite direction would give you the greatest coverage away from it. Use a 4:1 or at least a 1:1 current balun if using coax, or better still directly fed with 450 or 600 OHM feed line to a tuner and it covers 80-10 and if the total including the masts are at least a 1/4 wave on 160 it will tune there as well.

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Since you have four corners I would think about seriously, low wind load, just make sure the mast are guyed and you have a solid insulator on each mast if concerned about wind. This has stayed up in 80 MPH wind sustained for over an hour. It worked on mountain tops in high winds, easy to put up or take down. Handles whatever power your feed line, (balun) and tuner is rated for and is very low noise on receive. On transmit due to the size of the loop it might be multiple wavelengths on the higher bands 20-6. which computes to some gain as well.

This antenna is very easy to build, doesn't cost much depending on what you use to construct it, EMT, Pipe, Masting and wire. Feedline you can make yourself out of 14-10 guage insulated or open wire and osme plastic coat hangers, or other type of non conductive spreaders, wind a balun if needed and either trim it to resonance or better still get a good tuner with a built in balun.

Good luck

73
KG6ABF
Scott

34034. Re: AW: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-15 21:07:45 UTC
From: Andy
Topic: 34009 Message: 34034

Dave wrote:

"I've heard of running ladderline to a panel, then turning it into a pair of coax cables, one conductor of the ladder line to each of the center conductors of the coaxes. The shields of the coaxes are connected
to each other and grounded. So I have questions:

1) Does it work?
2) Which end should be connected and grounded?
3) SHould the other end leave the shields unconnected/ungrounded?"

Yes it works.

What to do with the shields is an interesting question. The thing to keep track of, is where the currents flow.

In coax, the current through the center wire is exactly mirrored by the current in the shield around it. That happens whether you want it to, or not. At the ends of that coax, where does that shield current go? There should be a path.

Let's make an assumption that the signal on the balanced line is balanced.

In the case of the pair of coax cables, the other coax has the exact opposite currents flowing. Thus, you can tie the two shields together (of the two lengths of coax), and do that on both ends. That completes the circuit for the shield currents. There is no need to also ground them, but I suppose you could. There should be zero current into that connection to ground (to the extent that the signal current on your balanced line is balanced).

If you don't give a path for the shield current to take, e.g., if you cut the shield off at one or both ends of the coax, it forces a common-mode current on the coax. You will get a current on the outside of the coax that pretty much matches the current in the center wire. That's probably not good. So in response to this:

"Leaving one end of the shields floating is said to avoid a ground loop."

I would say that is NOT the right thing to do. In effect, you now have two fat wires (as fat as your coax) being your parallel line. If you run those coax lengths through a metal panel, or near and around stuff that you thought you were protecting by using coax, you would in fact be making it worse instead of better.

Ground need not enter into this picture at all, I think. There is no NEED to ground the coax shields, as long as you provide the necessary paths for

currents to take, as described above.

But if you did ground them, the presence of "ground loops" might not matter. I say *might* not because they are, after all, loops, and loops can induce currents from nearby RF fields, and you are near a radio antenna, so there may be some localized pickup into them. So maybe the better thing to do is to (A) connect together the shields of the coax pairs, on both ends, and then (B) tie one of the ends to ground, if you like.

Regards,
Andy

34035. Re: AW: [ham-antennas] MFJ Window feedthrough question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 00:49:28 UTC
From: glene77is
Topic: 34009 Message: 34035

Guys,

Imaginative Idea !

Much better than the 1" hole with PVC conduit thru
that I have been using.

However, Foam Insulation is less conductive than free air ... so

As an engineering thing,
what might the flash-over voltage be for this device ?

Glen Ellis

QRP / CW is the Real Thing in Ham Radio ... anything else is for an i-Phone.

FCC Commercial & and Amateur Radio -,- -,- ,,,,- ,-,, ,--, --,
webpage: http://www.GeoCities.WS/glene77is
ARRL, QRP/ARCI, SKCC , NAQCC bio at QRZ.com
-,- -,- ,,,,- ,-,, ,--, --, -,- -,- ,,,,- ,-,, ,--, --, -,- -,- ,,,,- ,-,, ,--, --,

34036. What antenna ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 03:23:55 UTC
From: <radioman@...>
Topic: 34036 Message: 34036

I have room for a G5RV antenna 51x51 ft in a mild inverted v configuration. I like not having a balun at the top but it would be a pain to keep the ladder line away from the pole.
I had a windom up before that seemed to work alright until it just had too much sun and weather.
I could go beyond 51x51 feet if it helps, any suggestions ?

Thanks and I'm mostly interested in 6-80 m.

Rich KC8HMJ

34037. 40M Rotary Dipole with Mosley TA-40-KR Add-On Kit

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 04:27:41 UTC
From: WP4OFO
Topic: 34037 Message: 34037

How hard is it to make a rotary dipole using the Mosley TA-40-KR kit? Got the traps and would like a to make a monobander instead of the having the additional band in the TA-33-M yagi. Guess that by building it as a rotary dipole, it should have more bandwidth versus being installed to the TA-33. Comments, ideas? Also, want to install in another place plus want to have 40M via another feedline to the shack.

Anyone.

Jose
WP4OFO

34038. Re: [ham-antennas] What antenna ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 05:55:58 UTC
From: Alex Netherton
Topic: 34036 Message: 34038

A G5RV is designed without a balun. Why do people keep asking about one? The guy that invented it designed it without any balun. The short piece of balanced line going into the coax (called a "stub") makes an impedance match, thus stopping the coax loss from a high swr. With a balun, you get a balanced wire antenna. No longer a g5rv. With a long run of coax you get coax losses. Better to bring the balanced line, any length, into or near the shack to a balun there. I use a MFJ-1777 with a tuner. Works great. Balun is in the transmatch. No coax needed.

Use standoffs. Can even be made of pvc pipe.

73
On Sep 15, 2014 11:24 PM, "radioman@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I have room for a G5RV antenna 51x51 ft in a mild inverted v
> configuration. I like not having a balun at the top but it would be a pain
> to keep the ladder line away from the pole.
> I had a windom up before that seemed to work alright until it just had too
> much sun and weather.
> I could go beyond 51x51 feet if it helps, any suggestions ?
>
> Thanks and I’m mostly interested in 6-80 m.
>
> Rich KC8HMJ
>
>

34039. Re: [ham-antennas] What antenna ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 10:36:11 UTC
From: kd8bbk@...
Topic: 34036 Message: 34039

A G5RV is a good multi band antenna. Not sure you will get 6 meters on it though. The last comment is exact and precise. No balun on a G5RV. The ladder line does the matching, in a sense. I have been running G5RVs for many years and they work very good with a tuner. You will need a manual tuner usually for this antenna as most auto tuners in rigs won't be able to match the impedance. Running the ladder line all the way to a tuner with a 4:1 balun in it or putting one just before the tuner is another great antenna, (doublet).
You can pull the ladder line down at a slight angle and use a wooded steak to tether the ladder line off to keep it away from the pole. Bungee cords work great for this.
Good luck

Tony KD8BBK

In a message dated 9/16/2014 1:56:16 A.M. Eastern Daylight Time, ham-antennas@yahoogroups.com writes:

A G5RV is designed without a balun. Why do people keep asking about one?
The guy that invented it designed it without any balun. The short piece of balanced line going into the coax (called a "stub") makes an impedance match, thus stopping the coax loss from a high swr. With a balun, you get a balanced wire antenna. No longer a g5rv. With a long run of coax you get coax losses. Better to bring the balanced line, any length, into or near the shack to a balun there. I use a MFJ-1777 with a tuner. Works great. Balun is in the transmatch. No coax needed.
Use standoffs. Can even be made of pvc pipe.
73
On Sep 15, 2014 11:24 PM, "_radioman@..._ (mailto:radiom an@...) [ham-antennas]" <_ham-antennas@yahoogroups.com_ (mailto:ham-antennas@yahoogroups.com) > wrote:

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I had a windom up before that seemed to work alright until it just had too much sun and weather.
I could go beyond 51x51 feet if it helps, any suggestions ?

Thanks and I’m mostly interested in 6-80 m.

Rich KC8HMJ

34040. Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 13:38:20 UTC
From: Keith Heimbold
Topic: 34040 Message: 34040

I am considering building a small monoband hex beam for 15m and was trying to determine how long of spreaders I would need. I was considering using 1/4" PVC for this adventure to see if I can make it work and then possibly down the road get fiberglass from max gain to build a multiband version. Most websites I have researched illustrate building the five or six band version. Thanks!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34041. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 13:49:36 UTC
From: Joe
Topic: 34040 Message: 34041

1/4" PVC is going to be very flexible. I have used bamboo fishing poles in the past for an experimental antenna. These are the long, one piece bamboo poles that were used many years ago with only a piece of line and a hook on it, no reel. I found them at a fishing/bait shop locally and was surprised that people still use these for fishing. Anyway, they were relatively cheap and held up to the weather quite nicely. My experimental antenna was up for longer than I had planned and it survived well.

73, Joe, K1ike

On 9/16/2014 9:38 AM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>
> I am considering building a small monoband hex beam for 15m and was
> trying to determine how long of spreaders I would need. I was
> considering using 1/4" PVC for this adventure to see if I can make it
> work and then possibly down the road get fiberglass from max gain to
> build a multiband version. Most websites I have researched illustrate
> building the five or six band version. Thanks!!
>

34042. Re: Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 14:19:30 UTC
From: farrerfolks@...
Topic: 34040 Message: 34042

Try this site. B'n'M Black Widow Crappie Rod, 10 to 20 feet and $10 to $21.

Mel, K6KBE

34043. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 16:07:31 UTC
From: James Bennett
Topic: 34040 Message: 34043

Rich - can you use a fiberglass mast or a tree for the center support? It'll make having the ladder line much less of a problem than having it next to a tower leg or a metal pole.

Jim / W6JHB
On Tuesday, Sep 16, 2014, at Tuesday, 6:38 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> I am considering building a small monoband hex beam for 15m and was trying to determine how long of spreaders I would need. I was considering using 1/4" PVC for this adventure to see if I can make it work and then possibly down the road get fiberglass from max gain to build a multiband version. Most websites I have researched illustrate building the five or six band version. Thanks!!
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34044. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 16:11:39 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34040 Message: 34044

The typical hex beam uses coax to feed the antenna.. and can use any sort of pole that is available....

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "James Bennett w6jhb@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, September 16, 2014 12:07 PM
Subject: Re: [ham-antennas] Homebrew hex beam question

Rich - can you use a fiberglass mast or a tree for the center support? It'll make having the ladder line much less of a problem than having it next to a tower leg or a metal pole.

Jim / W6JHB
On Tuesday, Sep 16, 2014, at Tuesday, 6:38 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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>Keith
>AK6ZZ
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>Sent from my iPhone please excuse typos

34045. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 16:17:42 UTC
From: James Bennett
Topic: 34040 Message: 34045

Well, crud - my reply about a fiberglass pole was meant to go to another thread, not the hex beam question! Sorry for the confusion, and I award myself the Tuesday Morning Homer Simpson Award. :-(

On Tuesday, Sep 16, 2014, at Tuesday, 9:11 AM, 'Bill Blomgren (kk4qdz)' billblomgren@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> The typical hex beam uses coax to feed the antenna.. and can use any sort of pole that is available....
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
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> From: "James Bennett w6jhb@... [ham-antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, September 16, 2014 12:07 PM
> Subject: Re: [ham-antennas] Homebrew hex beam question
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34046. Re: [ham-antennas] What antenna ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 16:19:25 UTC
From: James Bennett
Topic: 34036 Message: 34046

Rich - try using a fiberglass mast or a tree for the center support. It'll make having the ladder line much less of a problem than having it next to a tower leg or a metal pole.

Jim / W6JHB

> "... I like not having a balun at the top but it would be a pain to keep the ladder line away from the pole."
> Rich KC8HMJ
>
>
>
>

34047. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 21:08:25 UTC
From: Don Sanders
Topic: 34040 Message: 34047

The 20 meter wire is about 12.5 feet from center post to the arm attachment.
There fore I would believe the 15 meter would take about 9 feet to the
attachment.
If you do not bend arms, not needed for monoband, a 10 foot support would
be good.

Dr. Don W4BWS

On Tue, Sep 16, 2014 at 8:38 AM, Keith Heimbold ag6az@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I am considering building a small monoband hex beam for 15m and was trying
> to determine how long of spreaders I would need. I was considering using
> 1/4" PVC for this adventure to see if I can make it work and then possibly
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> Most websites I have researched illustrate building the five or six band
> version. Thanks!!
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>

34048. Re: [ham-antennas] Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-16 21:12:35 UTC
From: Original Woodchuck
Topic: 34040 Message: 34048

On Tue, Sep 16, 2014 at 06:38:20AM -0700, Keith Heimbold ag6az@... [ham-antennas] wrote:
> I am considering building a small monoband hex beam for 15m and was trying to determine how long of spreaders I would need. I was considering using 1/4" PVC for this adventure to see if I can make it work and then possibly down the road get fiberglass from max gain to build a multiband version. Most websites I have researched illustrate building the five or six band version. Thanks!!
>
> Keith
> AK6ZZ

Here's a couple of websites that ought to help:

http://www.hex-beam.com/
in particular, monobeam hexbeams are given at
http://www.hex-beam.com/specs

This site is cyclopedic:
http://www.karinya.net/g3txq/hexbeam/

Here are some limits. The six spreaders will be below the wires by a distance H. The hexagon will have a circumfrence of C. You decide an H and C.

The minimum length of a spreader will then be sqrt((C/6)*(C/6) + H*H), i.e. the hypoteneuse of the triangle with sides C/6 and H. There is no maximum length except your capacity for the absurd. An estimate for a *practical* maximum is C/6+H, which is still long. Too long is good, that is why you were issued a hacksaw.

Basically, you decide how much tension you want in the wires, and that decides how long the spreaders and the ratio H/C should be. It's easy enough to conduct actual experiments with a length of the candidate pipe, from the /specs URL (above) I'm guessing that 5 feet of PVC for a 15m hexbeam might supply a trial size. Clamp one end to the work bench, then put a wire or nylon cord on the free end, and pull. If you put a fish scale in the cord, you can even measure the tension. (Or use dead weight, a bucket, and a pulley in the obvious way.)

You can see when and where the PVC will break, too. "Sound engineering" would say that 1/4 the breaking tension is max working load. Assuming PVC doesn't take a set in the hot sun, or become brittle in the frozen depths of winter.

When making a set of spreaders and their hub, attention to detail, making the effective length of each spreader the same, and attaching things at exact "hex" points will make for a planar result.

For reference, the tension in a (steel) guitar string is around 17 pounds, or for the Imperially challenged, 75.6 newtons. :-) (I'll be merciful this once: 7.7 Kgf).

Dave AB3NR

34049. Re: [ham-antennas] 40M Rotary Dipole with Mosley TA-40-KR Add-On Kit

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 01:46:19 UTC
From: WP4OFO
Topic: 34037 Message: 34049

Any suggestion on dimensions for this dipole Using those traps? Ideas.

From: "WP4OFO wp4ofo@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Tuesday, September 16, 2014 12:27 AM
Subject: [ham-antennas] 40M Rotary Dipole with Mosley TA-40-KR Add-On Kit

How hard is it to make a rotary dipole using the Mosley TA-40-KR kit? Got the traps and would like a to make a monobander instead of the having the additional band in the TA-33-M yagi. Guess that by building it as a rotary dipole, it should have more bandwidth versus being installed to the TA-33. Comments, ideas? Also, want to install in another place plus want to have 40M via another feedline to the shack.

Anyone.

Jose
WP4OFO

34050. Re: [ham-antennas] Re: Homebrew hex beam question

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 03:21:57 UTC
From: Keith Heimbold
Topic: 34040 Message: 34050

Thanks Mel and everyone!! I want to build one soon. I will report how it goes.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 16, 2014, at 7:19 AM, "farrerfolks@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> B'n'M Black Widow Crappie Rod

34051. Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 13:22:40 UTC
From: Keith Heimbold
Topic: 34051 Message: 34051

I have been taking down my 5BTV after every use as it is elevated mounted portable on a tripod. I have been having to retune nearly every time I pull it upright as the match on all bands moves up by several hundred kHz. It is a necessary part of renting this house that I don't leave it erect for neighbor issues plus I have a two year old son that could hurt himself on it when I am at work. Not sure if I should take the entire antenna apart to see if there is something wrong with it or I should just get used to retuning it as part of the situation I am in.

I was also curious if anyone has tried putting a coil at the feedpoint to lower 40m resonance. I cannot get it to resonate elevated even with perfectly cut resonant radials. Best I can get is about 4:1. I was thinking about my old butternut and how there was a coil for 80m across the feedpoint. I was curious if something like that would work for the 5BTV on 40m.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34052. Re: [ham-antennas] Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 13:50:57 UTC
From: worahm@...
Topic: 34051 Message: 34052

Hi Keih.

DX Engineering sells a matching coil for vertical antennae that is suppose to help obtain a lower SWR on 40 & 80 meters without effecting the SWR of the higher frequencies. You can read more about the coil here. http://www.dxengineering.com/search/department/antennas/product-line/dx-engineering-vertical-antenna-matching-networks?autoview=SKU&N=4294953330&sortby=Default&sortorder=Ascending
When I was having trouble obtaining a low SWR on my Hustler 5BTV antenna, I contacted DX engineering and they suggested adding more radials before installing a matching coil. I followed their suggestion and it worked for me.

I posted a spread sheet on this forum outlining the effect adding radials to a 5BTV had on a Hustler 5-BTV. .

If you have trouble finding or opening the work sheet. contact me at worahm@... and I will send you the file. You will need MS Word or Works to open the file.

Bill KB2GF

34053. Re: What antenna ?

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 18:23:14 UTC
From: A
Topic: 34036 Message: 34053

On your space , why not try a Fan Dipole ? I also would highly recommend books like Les Moxon's,-- HF Antennas for all locations---", used on line , i just got a good one . Also look up the files section here , and spend some time on eham's forums has articles as well . Experimentation will give you success in your specific location - consider some exotic antennas as well like 2 phased verticles, Sterba Curtain, and even a Vertically mounted By Square or Loop , enjoy the journey , by the way i saw a decent vertical , by DX on QTH.com was very low cost . 73s, AJ W5HEH

34054. RE: [ham-antennas] Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-17 19:26:47 UTC
From: Scott Myers
Topic: 34051 Message: 34054

Keith,

The fact the tune moves up every time you set it up is quite curious. A BTV is usually quite stable. It's never a bad idea to disassemble an antenna and see if something is wrong, if you have the time. But I'd make that a last resort.

How do you know your radials are "perfectly cut"? You can't do it by measuring a length, especially when installed close to the ground. The only way to tell if they are resonant where you want them to be is with an antenna analyzer, much like a dipole. Since you are close to the ground, that throws any theoretical physical measurements off. If you get within 1/4 wavelength of the ground, the tune change is significant. A 40M radial just a few feet off the ground is going to be way off in tune from the theoretical measurement and is going to have low Q since ground capacitance is a big deal. It may not even be possible to get the 40M radials tuned when really close to the ground because it will act like it is on the ground due to ground capacitance.

Another question is how far is the feed point of your antenna from the radial field? Frankly, you'd do better to put the BTV right at the ground so the feed point is close to the ground and lay out 8-16 radials about 30 feet long when you are going to use it. This is a much easier and more predictable way to get consistent results. Tuning should calm down this way as well.

As far as a shunt coil goes, indeed, it is a good idea to have one. However, it only has a slight affect on 40M but has a more pronounced effect on 80M. Don't waste the money on a $70 shunt coil from DX. They make good products, but you can wind one yourself on an approximate 2" OD piece of PVC from any solid insulated wire (suggest 12 gauge for mechanical stability) with about 12 turns and then use a combination of removing turns and stretching the coil to get your lowest 80M dip as low as possible, which will help 40M a bit. Once you get it where you want, you just tape it down so it doesn't move. But don't expect miracles. You've got to get 40M to behave a bit better than 4:1 before you add the shunt coil. I suspect the radial situation is the problem.

Do you have a common mode choke at the rig? You need one with a vertical in most cases. You can easily get inconsistent SWR readings due to common mode problems that are prevalent with verticals, especially when close in to one.

Question - Why did you trade down from a Butternut to a BTV? A BTV is a fine antenna, but much more lossy than a Butternut, but the Butternut can be more of a challenge to tune and the coils easily damaged in a "portable" situation like you describe.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, September 17, 2014 9:23 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Inconsistent 5BTV resonance

I have been taking down my 5BTV after every use as it is elevated mounted portable on a tripod. I have been having to retune nearly every time I pull it upright as the match on all bands moves up by several hundred kHz. It is a necessary part of renting this house that I don't leave it erect for neighbor issues plus I have a two year old son that could hurt himself on it when I am at work. Not sure if I should take the entire antenna apart to see if there is something wrong with it or I should just get used to retuning it as part of the situation I am in.

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Keith
AK6ZZ

Sent from my iPhone please excuse typos

34055. What antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-18 02:26:17 UTC
From: <radioman@...>
Topic: 34055 Message: 34055

Alex I used a Windom antenna before that had a balun, I was suggesting using a G5RV so I wouldn’t have to hoist up a balun because it doesn’t have one.
I just saw where a guy is using a double G5RV (102 ft. legs) and am considering that.

Thanks for your input, Rich KC8HMJ

34056. Re: [ham-antennas] Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-18 12:14:47 UTC
From: Keith Heimbold
Topic: 34051 Message: 34056

Scott,

Thanks for all your thoughtful suggestions. I am going to try a different location and height for the antenna and retune. It is unfortunate that it has to be taken down after very use. It is truly like being portable.

I got rid of the butternut when I put up my SteppiR three element a few years back at my old QTH and I wish I had it back now but I think you are right that it would do far worse with the coils and the constant up and down than the hustler. The butternut was also in this kind of elevated setup and it to gave me tuning fits. I must have taken it apart five times in a couple years, replacing the 15m wire, door knob caps etc. but regardless of the difficultly with the nut it did perform great with the stub tuned radials (which I still plan to build). Thanks for the reminder.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Sep 17, 2014, at 12:26 PM, "'Scott Myers' ac8de@ameritech.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Keith,
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> Do you have a common mode choke at the rig? You need one with a vertical in most cases. You can easily get inconsistent SWR readings due to common mode problems that are prevalent with verticals, especially when close in to one.
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> Question - Why did you trade down from a Butternut to a BTV? A BTV is a fine antenna, but much more lossy than a Butternut, but the Butternut can be more of a challenge to tune and the coils easily damaged in a "portable" situation like you describe.
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>
>
> 73,
>
> Scott AC8DE
>
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> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Wednesday, September 17, 2014 9:23 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Inconsistent 5BTV resonance
>
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> I have been taking down my 5BTV after every use as it is elevated mounted portable on a tripod. I have been having to retune nearly every time I pull it upright as the match on all bands moves up by several hundred kHz. It is a necessary part of renting this house that I don't leave it erect for neighbor issues plus I have a two year old son that could hurt himself on it when I am at work. Not sure if I should take the entire antenna apart to see if there is something wrong with it or I should just get used to retuning it as part of

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34057. Re: [ham-antennas] Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-18 15:49:16 UTC
From: Todd F. Carney / K7TFC
Topic: 34051 Message: 34057

Scott,

A few thoughts. The first is that it might be far easier to live with being off a few hundred kHz at the feed point and then just compensate for it with an antenna tuner at your rig. For the short run of coax you must have, your losses resulting from higher feed-point SWR into a 50ohm transmission line would be negligible. Your rig's S-meter won't even notice it. If it can't, you can't. Of course, you could use a remote tuner at the antenna, but that's yet more more expense and setup time.

My other thought is that as long as you must get the antenna out of sight (during daylight hours?) after each on-air session, perhaps you can use a tip-over mount such as what DX Enginering sells (~$70) so you can just lay it down instead of taking it apart. Of course the feasibility of that depends on the size of your yard, the hazard for kids, etc. Those issues aside, it sure makes the back-and-forth of antenna adjustment a lot easier.

73,

Todd

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
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On Thu, Sep 18, 2014 at 12:14 PM, Keith Heimbold ag6az@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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> Scott,
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> it when I am at work. Not sure if I should take the entire antenna apart to

> see if there is something wrong with it or I should just get used to
> retuning it as part of the situation I am in.
>
> I was also curious if anyone has tried putting a coil at the feedpoint to
> lower 40m resonance. I cannot get it to resonate elevated even with
> perfectly cut resonant radials. Best I can get is about 4:1. I was thinking
> about my old butternut and how there was a coil for 80m across the
> feedpoint. I was curious if something like that would work for the 5BTV on
> 40m.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>

34058. Re: [ham-antennas] Inconsistent 5BTV resonance

Yahoo group: ham-antennas (2014)
Date: 2014-09-18 16:33:00 UTC
From: worahm@...
Topic: 34051 Message: 34058

HI Keith.

Is there any way that you could camouflage the 5-BTV as a flag pole, bird feeder or perhaps place antenna close to the trunk of a tree?

Some folks, who live in restricted communities down here in Florida slip the antenna inside PVC or fiberglass tubing and hang a flag or bird house on top.

Check here for more ideas. http://www.g4ilo.com/stealth.html

Bill

34059. Re: [ham-antennas] What antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-18 19:40:43 UTC
From: Alex Netherton
Topic: 34055 Message: 34059

Oh. Sorry. I just see so many people asking if they need to put a balun on the G5RV at the balanced line and it makes me say "uhhh?" (Like Scooby Do.) Yeah, the G5RV needs no balun, and the 102 foot legs would likely tune it to 160 meters, and require a longer stub. Wouldn't it?

Now, the article on Wikipedia calls for a balun, but that would make the feedline no longer a part of the antenna, would just make it a balanced line dipole, and you would be tuning SWR on the coax. I am sure you know what I am talking about but can't verbalize.

Myself, I would use balanced feeder into the shack (Varney even said it was the best idea), and use a balun right at the matcher, or use a balanced line matcher. You can see the two antennas on MFJ. First the G5RV <http://www.mfjenterprises.com/Product.php?productid=MFJ-1778> and then the 1777 <http://www.mfjenterprises.com/Product.php?productid=MFJ-1777>. They are the same length. I just think the doublet has a chance of working better. I use mine every day, and have worked as far off as New Zealand. Wish Africa would start coming in...

I use the MFJ 1777 with the feedpoint at at 30 or so feet, and about 35 or so feet of feedline into the shack into a Heathkit SA-2040 (THAT is another story, and it really works), and barefoot, it works great. When I cut in the Heathkit SB-200 (yet another story), cracking a pileup sometimes is just too easy...

73 OM es Good Luck!

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Wed, Sep 17, 2014 at 10:26 PM, radioman@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Alex I used a Windom antenna before that had a balun, I was suggesting
> using a G5RV so I wouldn’t have to hoist up a balun because it doesn’t have
> one.
> I just saw where a guy is using a double G5RV (102 ft. legs) and am
> considering that.
>
> Thanks for your input, Rich KC8HMJ
>
>
>

34060. Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-19 14:19:28 UTC
From: doubletake@...
Topic: 34060 Message: 34060

I am falling victim to a ruthless Homeowners association and their Draconian rules. As with many fellow Hams, its the antenna that causes the problem and not the Ham Station itself. There are a few ways to build a remote station using RemoteShack, RemoteRig, etc., but looking through all these remote rig devices I had a "what if" moment. What if instead of having a remote station with your rig located in some distant QTH, what if you sat in front of your rig and just YOUR antenna was located at some distant location. This way you have full and up close control of your rig, at the designated QTH listed with the FCC, and your signal is sent via ??????? to a remote receiver and then up and out your own personal antenna? I'm sure that this has been addresses before but with Microwave and all of the other new technologies that seem to be developed every day it seems that maybe someone a lot smarter than me has a solution. Located about 1/2 mile away from me I have access to a 250 ft structure where I can place an antenna but in my neighborhood I cant even place a vertical on the ground. If I could get me signal from my QTH, to the 250 foot structure then I would be in HAM Heaven. Is there anyone doing this? I am sure that there are people who live in a valley and want to locate their antenna on top of the mountain while keeping their station at home. How do those hams do this?

Any ideas or suggestions?

Randy
KG5BV

34061. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-19 14:25:16 UTC
From: KA4INM radio
Topic: 34060 Message: 34061

On 09/19/14 10:19, doubletake@... wrote:

> has a solution. Located about 1/2 mile away from me I have access to a
> 250 ft structure where I can place an antenna but in my neighborhood I
> cant even place a vertical on the ground. If I could get me signal from
> my QTH, to the 250 foot structure then I would be in HAM Heaven. Is
> there anyone doing this? I am sure that there are people who live in a
> valley and want to locate their antenna on top of the mountain while

3" coax that can be buried or 600 Ohm open wire feed line with two or
more wires that cannot easily be buried.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34062. Hustler 5BTV 80m 40m resonance problems with add on coil

Yahoo group: ham-antennas (2014)
Date: 2014-09-19 17:34:31 UTC
From: Jimmie K9JFK
Topic: 34062 Message: 34062

Hi,

I want to add a short "be wary of" when it comes to adding a loading coil to overcome 40 and 80m swr problems on a Hustler 5BTV. However, I "think" it only applies when your installation is "good" and "in decent ground". My 5BTV was ground mounted in "good to very good" soil over a radial field of 36 x 66ft radials.

Tuning was normal on all bands except for 40 and 80 meters. Adjusting for one caused the other to change dramatically; a number of different coil configurations were tried. Only one band could be fixed; if 80m swr came down, then the 40m swr went up, and visa versa. I thought I'd need to tap the coil and use relays to achieve operation on both bands. However, I went "back to basics" and decided to tune the antenna like a "homebrew".

The antenna's spokes and capacity hat blades were removed. After that, I started to lengthen the 40m section; the SWR started to come down. Eventually, I found that the SWR was good when the section was lengthened just under 34 inches. The 80M section then tuned up per the installation instructionswithout effecting 40M operation.

I've given the "Cliff Notes" version of the installation problems; the process took a couple of weeks and three or four antenna "tear downs" searching for "hidden" problems.

Yes, my antenna is taller than "spec" by a little less than a yard. No more tuning problems have been encountered, not even when the 12 and 17m bands were added. It also loads up without protest on 60m with a little help from a tuner.

Maybe the ultimate solution for the 40/80m problem is not coil?

73, Jimmie, K9JFK

34063. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-19 18:47:56 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34060 Message: 34063

Support the effort that the ARRL has going in the house.. WRITE your congress critter to support the bill that would provide federal law to override HOA rules.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "doubletake@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 19, 2014 10:19 AM
Subject: [ham-antennas] Connection to a remote antenna

I am falling victim to a ruthless Homeowners association and their Draconian rules. As with many fellow Hams, its the antenna that causes the problem and not the Ham Station itself. There are a few ways to build a remote station using RemoteShack, RemoteRig, etc., but looking through all these remote rig devices I had a "what if" moment. What if instead of having a remote station with your rig located in some distant QTH, what if you sat in front of your rig and just YOUR antenna was located at some distant location. This way you have full and up close control of your rig, at the designated QTH listed with the FCC, and your signal is sent via ??????? to a remote receiver and then up and out your own personal antenna? I'm sure that this has been addresses before but with Microwave and all of the other new technologies that seem to be developed every day it seems that maybe someone a lot smarter than me has a solution. Located about 1/2 mile away from me I have access to a 250 ft structure where I can place an antenna but in my neighborhood I cant even place a vertical on the ground. If I could get me signal from my QTH, to the 250 foot structure then I would be in HAM Heaven. Is there anyone doing this? I am sure that there are people who live in a valley and want to locate their antenna on top of the mountain while keeping their station at home. How do those hams do this?

Any ideas or suggestions?

Randy
KG5BV

34064. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-19 19:18:31 UTC
From: Robert Cavanaugh
Topic: 34060 Message: 34064

Here is the ARRL link. BTW: My congressperson responded in a couple of days to a letter reminding him that we hams play an important role in emergency communications. Here in earthquake/wildfire country, that happens a lot more often than you might imagine. People, this is serious business. Most hams I know are not thinking (maybe dreaming) about pouring a new 8' square concrete pad and mounting a 100' tower. I would be ecstatic if I knew I could mount a 2m/70cm Jpole and two HF mag loops on my roof without consequences. Let your representatives know that this is an important issue.

link: http://www.arrl.org/hr-4969

73,
Bob Cavanaugh - AG6YK

On Friday, September 19, 2014 11:47 AM, "'Bill Blomgren (kk4qdz)' billblomgren@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Support the effort that the ARRL has going in the house.. WRITE your congress critter to support the bill that would provide federal law to override HOA rules.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "doubletake@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, September 19, 2014 10:19 AM
Subject: [ham-antennas] Connection to a remote antenna

I am falling victim to a ruthless Homeowners association and their Draconian rules. As with many fellow Hams, its the antenna that causes the problem and not the Ham Station itself. There are a few ways to build a remote station using RemoteShack, RemoteRig, etc., but looking through all these remote rig devices I had a "what if" moment. What if instead of having a remote station with your rig located in some distant QTH, what if you sat in front of your rig and just YOUR antenna was located at some distant location. This way you have full and up close control of your rig, at the designated QTH listed with the FCC, and your signal is sent via ??????? to a remote receiver and then up and out your own personal antenna? I'm sure that this has been addresses before but with Microwave and all of the other new technologies that seem to be developed every day it seems that maybe someone a lot smarter than me has a solution. Located about 1/2 mile away from me I have access to a 250 ft structure where I can place an antenna but in my neighborhood I cant even place a vertical on the ground. If I could get me signal from my QTH, to the 250 foot structure then I would be in HAM Heaven. Is there anyone doing this? I am sure that there are people who live in a valley and want to locate their antenna on top of the mountain while keeping their station at home. How do those hams do this?

Any ideas or suggestions?

Randy
KG5BV

34065. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-20 02:43:09 UTC
From: n7mog
Topic: 34060 Message: 34065

All I can think of are the RF losses for that distance! The other methods you mentioned are probably better choices, if there is infrastructure there @ tower for your rig. If not, I feel your pain. I got lucky where we bought. Restrictions, yes, but the tower problem is (so far) concerning wind generators on towers as far as the County is concerned. In my HOA, we have restrictions, but over the years everyone living here has created their own transgressions, so a suit would be all encompassing! No one want to get rid of their out of restriction stuff!

Bill
N7MOG

On 9/19/2014 8:19 AM, doubletake@... [ham-antennas] wrote:
>
> I am falling victim to a ruthless Homeowners association and their
> Draconian rules. As with many fellow Hams, its the antenna that causes
> the problem and not the Ham Station itself. There are a few ways to
> build a remote station using RemoteShack, RemoteRig, etc., but looking
> through all these remote rig devices I had a "what if" moment. What if
> instead of having a remote station with your rig located in some
> distant QTH, what if you sat in front of your rig and just YOUR
> antenna was located at some distant location. This way you have full
> and up close control of your rig, at the designated QTH listed with
> the FCC, and your signal is sent via ??????? to a remote receiver and
> then up and out your own personal antenna? I'm sure that this has been
> addresses before but with Microwave and all of the other new
> technologies that seem to be developed every day it seems that maybe
> someone a lot smarter than me has a solution. Located about 1/2 mile
> away from me I have access to a 250 ft structure where I can place an
> antenna but in my neighborhood I cant even place a vertical on the
> ground. If I could get me signal from my QTH, to the 250 foot
> structure then I would be in HAM Heaven. Is there anyone doing this? I
> am sure that there are people who live in a valley and want to locate
> their antenna on top of the mountain while keeping their station at
> home. How do those hams do this?
>
> Any ideas or suggestions?
>
> Randy
> KG5BV
>
>
>

34066. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-20 14:52:00 UTC
From: farrerfolks@...
Topic: 34060 Message: 34066

Loss is a problem. At 10 MHz that would be ~3 dB or half your power with 7/8" Heliax and VERY costly.
I have a remote antenna system 850 feet away using 7/8" air Heliax but limit the operation to 40 meters, 0.76dB loss. Acceptable.
Mel,, K6KBE

34067. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-20 15:41:15 UTC
From: Robert Ahrens
Topic: 34060 Message: 34067

If you are line of sight, how about linking by wireless network and using your equipment remotely?
On Sep 20, 2014 7:52 AM, "farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Loss is a problem. At 10 MHz that would be ~3 dB or half your power with
> 7/8" Heliax and VERY costly.
> I have a remote antenna system 850 feet away using 7/8" air Heliax but
> limit the operation to 40 meters, 0.76dB loss. Acceptable.
> Mel,, K6KBE
>
>

34068. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-20 16:55:15 UTC
From: Martin A Flynn
Topic: 34060 Message: 34068

Randy,
Since the HOA is going to complains about an external antenna for a point-to-point microwave link, I would start with the Fidelity Communications (the cable company) and see if they provide a Ethernet Private Line (EPL) over DOCSIS product and connect to the tower site via IP.

Potential Issues:

- Finding room at the site for your equipment, and securing it

- Adding IP controls to your rigs

- Cost of routers and network kit.

- Recurring costs for the cable modems at both locations.

73 Martin Flynn
W2RWJ

On 9/19/2014 10:19 AM, doubletake@... [ham-antennas] wrote:

Located about 1/2 mile away from me I have access to a 250 ft structure where I can place an antenna but in my neighborhood I cant even place a vertical on the ground. If I could get me signal from my QTH, to the 250 foot structure then I would be in HAM Heaven. Is there anyone doing this? I am sure that there are people who live in a valley and want to locate their antenna on top of the mountain while keeping their station at home. How do those hams do this?

34069. Re: Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 15:30:50 UTC
From: John RC
Topic: 34060 Message: 34069

Mag loop in the backyard garnished with plastic vines and flowers.

John K0EBC

34070. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 16:43:04 UTC
From: Andy
Topic: 34060 Message: 34070

The most obvious answer is a very long feedline. Aside from all the power loss, that also requires right-of-way access to run the feedline the whole way. If you can do that, and can afford that much super-low-loss feedline, great.

When that's not possible, the usual answer is to put the transceiver at the remote location and operate it remotely. Then the only "interconnects" you need are audio in, audio out, and remote control of the rig. But you say you want the transceiver with you, and that poses problems.

The (more or less) three functions that the transceiver needs to provide, are (1) a modulator, (2) a power amplifier, and (3) a receiver. One could, I suppose, put the modulator in your home where it still has the look-and-feel of being a transceiver at your fingertips, and the power amplifier and receiver at the remote location. Then you could use radio (i.e., microwaves) to beam the modulator's output to the remote amplifier, and have a return path for the receiver's audio. I think no matter how you carve it up, it would be a heck of a lot easier to just put an entire transceiver at the remote location and remotely control it.

Microwaves can send a low-level signal from point A to point B, but not the high-power output of a ham transceiver.

Also, beaming the receive RF back over microwaves, without first processing it at the antenna end, is not likely to work well unless you almost duplicate the whole receiver there.

We also don't know what ham frequencies you had in mind. Since you talked about a 250 foot structure, did you want to put a 2m or 440 antenna on top of it, or a big HF beam?

Regards,
Andy

34071. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 18:00:01 UTC
From: Brad Trogdon
Topic: 34060 Message: 34071

Read obout Remote Rig. And the Kenwood TS-480.

All you need is a basic int3rnet connection at the tower site and your control point.

I do this less the remote rig costs personally and work HF and 6 when traveling the US from my iPad and even at times from my Android.

Good luck.
On Sep 19, 2014 10:19 AM, "doubletake@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> I am falling victim to a ruthless Homeowners association and their
> Draconian rules. As with many fellow Hams, its the antenna that causes the
> problem and not the Ham Station itself. There are a few ways to build a
> remote station using RemoteShack, RemoteRig, etc., but looking through all
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> distant location. This way you have full and up close control of your rig,
> at the designated QTH listed with the FCC, and your signal is sent via
> ??????? to a remote receiver and then up and out your own personal antenna?
> I'm sure that this has been addresses before but with Microwave and all of
> the other new technologies that seem to be developed every day it seems
> that maybe someone a lot smarter than me has a solution. Located about 1/2
> mile away from me I have access to a 250 ft structure where I can place an
> antenna but in my neighborhood I cant even place a vertical on the ground.
> If I could get me signal from my QTH, to the 250 foot structure then I
> would be in HAM Heaven. Is there anyone doing this? I am sure that there
> are people who live in a valley and want to locate their antenna on top of
> the mountain while keeping their station at home. How do those hams do
> this?
>
> Any ideas or suggestions?
>
> Randy
> KG5BV
>
>
>
>

34072. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 18:09:31 UTC
From: Alex Netherton
Topic: 34060 Message: 34072

Remember that 3dB, or "half your power" is less than a half an S unit, and is not noticeable in a QSO. If you take a sound generator and make a sound with it, then turn it up by 3dB, most people cannot tell. So, if you are going to do something that loses you 3dB, you need to work out if it is going to benefit you enough to make up for the loss, or if the loss is not enough to worry about. 6dB is where you begin to hear something, and can be about 1 S unit. This is why a lot of hams buy a 6 or so dB amp, like a 600 watt amp. It is not really enough down from a 1500 watt amp (4 or so dB) and is a LOT less expensive. I use a Heathkit SB-102, and when trying to crack a DX pileup, I notice that when I kick it in (around 5 to 6 hundred watts), suddenly I am heard. Only paid $250 for it (seller said "lights up"), and took the chance and flipped the switch. Whole lot cheaper than a 1500 watt, and no one can really tell after the signal has gone a few thousand miles.

So, do what you need to do, and realize that 3dB is not going to hurt that much. When you start losing 4 or more, then it is time to call Houston...

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Sat, Sep 20, 2014 at 10:52 AM, farrerfolks@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Loss is a problem. At 10 MHz that would be ~3 dB or half your power with
> 7/8" Heliax and VERY costly.
> I have a remote antenna system 850 feet away using 7/8" air Heliax but
> limit the operation to 40 meters, 0.76dB loss. Acceptable.
> Mel,, K6KBE
>
>

34073. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 20:50:19 UTC
From: WVØH
Topic: 34060 Message: 34073

Unless you are receiving that signal at or near MDS of your receiver then it will be significant.

Myron WVØH
Printed on Recycled Data

> On Sep 21, 2014, at 12:09 PM, "Alex Netherton anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> and is not noticeable in a QSO

34074. Re: [ham-antennas] Connection to a remote antenna - power vs signal level.

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 20:54:28 UTC
From: Kenneth G. Gordon
Topic: 34060 Message: 34074

On 21 Sep 2014 at 14:09, Alex Netherton anetherton@... [ham-
wrote:

> Remember that 3dB, or "half your power" is less than a half an S unit, and is
> not noticeable in a QSO.

Exactly.

> the loss is not enough to worry about.

True.

> 6dB
> is where you begin to hear something, and can be about 1 S unit. This is why a
> lot of hams buy a 6 or so dB amp, like a 600 watt amp. It is not really enough
> down from a 1500 watt amp (4 or so dB) and is a LOT less expensive. I use a
> Heathkit SB-102

I think you mean an SB-200. I have two of those (and an SB-102 and a
HW-101), one of the SB-200s which I bought for $50 and which had been
abused by a CBer. He had gotten the finals so hot that they scorched the
plate coil. It works just fine now.

>, and when trying to crack a DX pileup, I notice that when I kick
> it in (around 5 to 6 hundred watts), suddenly I am heard.

Yes. I get about 600 watts out of mine when I use it conservatively. No need
to drive it to max. Power input to my SB-200s is about 50 watts for full
output. I cleaned up some of the circuitry and the amps are more efficient
now. One big difference was to double the value of the filament choke...

> Only paid $250 for it
> (seller said "lights up"), and took the chance and flipped the switch.

I paid $300 for my first one: it was owned by a blind ham who didn't know
that one tube was not lighting due to a bad socket. She couldn't see it
(obviously) and her husband is not a ham and never noticed.

I use it every day for traffic handling. It is very reliable.

I am also modifying each of them, one at a time, for full-QSK using Rich
Measures' method. That method REALLY works.

> Whole lot
> cheaper than a 1500 watt, and no one can really tell after the signal has gone a
> few thousand miles.

In my experience, the only very noticable thing that a full 1500 watts does is reduce the effects of QSB a whole lot. Signal strength on the other end doesn't appear to be much different, but it DOES reduce QSB effects.

> So, do what you need to do, and realize that 3dB is not going to hurt that much.
> When you start losing 4 or more, then it is time to call Houston...

Personally, I'd wait until I find a 6dB difference... ;-)

And even then I think I would work on the antenna system before the amplifier.

vy 73,

Ken W7EKB

34075. Re: [ham-antennas] Connection to a remote antenna - power vs signal level.

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 21:01:32 UTC
From: Alex Netherton
Topic: 34060 Message: 34075

Thanks Ken. I did say SB-102, didn't I? I had one back in the 1980's, and it worked like a champ. Yes, mine is a SB-200. And, yes, you are right, you probably don't need to call Houston until you are losing more than 6 dB. And, yes, the antenna is the first place to look.

Since this is antennas, I am running a 102 foot doublet into a balanced wire tuner, a Heath SA-2040. I have always had good fortune with a balanced wire antenna, and rarely use anything else.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Sun, Sep 21, 2014 at 4:54 PM, 'Kenneth G. Gordon'
kgordon2006@frontier.com [ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

>
>
> On 21 Sep 2014 at 14:09, Alex Netherton anetherton@... [ham-
> wrote:
>
> > Remember that 3dB, or "half your power" is less than a half an S unit,
> and is
> > not noticeable in a QSO.
>
> Exactly.
>
> > the loss is not enough to worry about.
>
> True.
>
> > 6dB
> > is where you begin to hear something, and can be about 1 S unit. This is
> why a
> > lot of hams buy a 6 or so dB amp, like a 600 watt amp. It is not really
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> > down from a 1500 watt amp (4 or so dB) and is a LOT less expensive. I
> use a
> > Heathkit SB-102
>
> I think you mean an SB-200. I have two of those (and an SB-102 and a

> HW-101), one of the SB-200s which I bought for $50 and which had been
> abused by a CBer. He had gotten the finals so hot that they scorched the
> plate coil. It works just fine now.
>
> >, and when trying to crack a DX pileup, I notice that when I kick
> > it in (around 5 to 6 hundred watts), suddenly I am heard.
>
> Yes. I get about 600 watts out of mine when I use it conservatively. No
> need
> to drive it to max. Power input to my SB-200s is about 50 watts for full
> output. I cleaned up some of the circuitry and the amps are more efficient
> now. One big difference was to double the value of the filament choke...
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> > Only paid $250 for it
> > (seller said "lights up"), and took the chance and flipped the switch.
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> I paid $300 for my first one: it was owned by a blind ham who didn't know
> that one tube was not lighting due to a bad socket. She couldn't see it
> (obviously) and her husband is not a ham and never noticed.
>
> I use it every day for traffic handling. It is very reliable.
>
> I am also modifying each of them, one at a time, for full-QSK using Rich
> Measures' method. That method REALLY works.
>
> > Whole lot
> > cheaper than a 1500 watt, and no one can really tell after the signal
> has gone a
> > few thousand miles.
>
> In my experience, the only very noticable thing that a full 1500 watts
> does is
> reduce the effects of QSB a whole lot. Signal strength on the other end
> doesn't appear to be much different, but it DOES reduce QSB effects.
>
> > So, do what you need to do, and realize that 3dB is not going to hurt
> that much.
> > When you start losing 4 or more, then it is time to call Houston...
>
> Personally, I'd wait until I find a 6dB difference... ;-)
>
> And even then I think I would work on the antenna system before the
> amplifier.
>
> vy 73,
>
> Ken W7EKB
>
>

34076. SOLARCON A-99

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 18:44:28 UTC
From: ea8yg@...
Topic: 34076 Message: 34076

Hello !
Any use the SOLARCON A-99 ON 10/12/15/17 and 20 m. band ? any modifications ?

How it work ?
Thanks for helping .....!!!
73´s Ivan EA8YG

34077. Re: [ham-antennas] Connection to a remote antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 22:47:27 UTC
From: Chuck Schultz
Topic: 34060 Message: 34077

I am so glad to learn that I am not the only one left in the world not wanting to over engineer the wheel after so many years. Chuck wq5b
On 9/21/2014 1:00 PM, Brad Trogdon Brad@... [ham-antennas] wrote:
>
> Read obout Remote Rig. And the Kenwood TS-480.
>
> All you need is a basic int3rnet connection at the tower site and your
> control point.
>
> I do this less the remote rig costs personally and work HF and 6 when
> traveling the US from my iPad and even at times from my Android.
>
> Good luck.
>
> On Sep 19, 2014 10:19 AM, "doubletake@...
> <mailto:doubletake@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> I am falling victim to a ruthless Homeowners association and their
> Draconian rules. As with many fellow Hams, its the antenna that
> causes the problem and not the Ham Station itself. There are a few
> ways to build a remote station using RemoteShack, RemoteRig, etc.,
> but looking through all these remote rig devices I had a "what if"
> moment. What if instead of having a remote station with your rig
> located in some distant QTH, what if you sat in front of your rig
> and just YOUR antenna was located at some distant location. This
> way you have full and up close control of your rig, at the
> designated QTH listed with the FCC, and your signal is sent via
> ??????? to a remote receiver and then up and out your own personal
> antenna? I'm sure that this has been addresses before but with
> Microwave and all of the other new technologies that seem to be
> developed every day it seems that maybe someone a lot smarter than
> me has a solution. Located about 1/2 mile away from me I have
> access to a 250 ft structure where I can place an antenna but in
> my neighborhood I cant even place a vertical on the ground. If I
> could get me signal from my QTH, to the 250 foot structure then I
> would be in HAM Heaven. Is there anyone doing this? I am sure that
> there are people who live in a valley and want to locate their
> antenna on top of the mountain while keeping their station at
> home. How do those hams do this?
>
> Any ideas or suggestions?
>
> Randy

> KG5BV
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34078. Re: SOLARCON A-99

Yahoo group: ham-antennas (2014)
Date: 2014-09-21 23:12:47 UTC
From: jerrybosak@...
Topic: 34076 Message: 34078

I can't speak for All Solorcon' A99's - because I only have experience with mine.
You will need some type of antenna tuner, either internally or externally to the transmitter.
You will need to get it at least 50' above good ground.
You will need to deploy at least 12 radials 1/4 wavelength long, for the longest length - you wish to operate on.
I have radials cut for 10, 15, 17 meters.
You can tune it by shortening it a couple of inches off the top, or by removing the top section and replacing it with the whip from a quarter wave mobile - stainless steel 104 inch whip.
Then cut the whip to resonance on 10 meters. Mine is cut for 28.400 MHz...

You ought to be able to get a match of at least 10:1 or better on all these bands.
10. 12, 15, 17 meters.

34079. Re: [ham-antennas] SOLARCON A-99

Yahoo group: ham-antennas (2014)
Date: 2014-09-22 01:20:33 UTC
From: Geoff NW7GM
Topic: 34076 Message: 34079

I think that hamuniverse.com has a couplemof designs based on that antenna, or a similar one.

On Sunday, September 21, 2014, ea8yg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> Hello !
> Any use the SOLARCON A-99 ON 10/12/15/17 and 20 m. band ? any
> modifications ?
>
> How it work ?
> Thanks for helping .....!!!
> 73´s Ivan EA8YG
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

34080. OT, Patcomm modules

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 07:49:21 UTC
From: dx11
Topic: 34080 Message: 34080

Hello all,

I don't know whether it is allowed in this group what I'm doing now.

I have only started my ham activities recently with a Patcomm PC-500 dual band QRP transceiver. I have the band modules for 80 and 20 meters, but I would like to have modules for the other ham bands as well.

If, perhaps, you have one lying around, that you don't use any longer, please contact me off list (PA4Q@...).

Tnxs and 73

Cor Beijersbergen PA4Q

34081. Re: [ham-antennas] Re: SOLARCON A-99

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 17:55:57 UTC
From: IVAN
Topic: 34076 Message: 34081

/Hello,
Thanks to all for the help !!
73´s Ivan EA8YG/

El 22/09/2014 0:12, jerrybosak@... [ham-antennas] escribió:
>
> I can't speak for All Solorcon' A99's - because I only have experience
> with mine.
> You will need some type of antenna tuner, either internally or
> externally to the transmitter.
> You will need to get it at least 50' above good ground.
> You will need to deploy at least 12 radials 1/4 wavelength long, for
> the longest length - you wish to operate on.
> I have radials cut for 10, 15, 17 meters.
> You can tune it by shortening it a couple of inches off the top, or by
> removing the top section and replacing it with the whip from a quarter
> wave mobile - stainless steel 104 inch whip.
> Then cut the whip to resonance on 10 meters. Mine is cut for 28.400
> MHz...
>
> You ought to be able to get a match of at least 10:1 or better on all
> these bands.
> 10. 12, 15, 17 meters.
>
>

34082. Re: [ham-antennas] Re: SOLARCON A-99

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 18:39:42 UTC
From: KA4INM radio
Topic: 34076 Message: 34082

My spell checker says that: "inflamatory" is spelled: "inflammatory"

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34083. Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 20:36:24 UTC
From: wa1rkt@...
Topic: 34083 Message: 34083

I'm wondering if I've been doing it wrong all these years.

Right after the terrorist attack on the WTC on 9/11, after being QRT for many years, I put up an inverted V cut roughly for 160 meters, fed with ladder line, thru a 1:1 current balun down near the shack window, to a succession of tuners at one time or another (currently an LDG AT-1000Pro) to the rig, currently an IC-746Pro and AL-811H amp running about 700 watts.

I didn't pay too much attention to the leg lengths since the plan was to use it on 160, 80, 40, and 30 meters, plus several CAP and MARS frequencies some of which are fairly far from the nearest ham band, so it really wasn't practical to try to cut it for resonance on any one band, hence the need for the ladder line, balun, and tuner.

The antenna has worked well all these years but there are some frequencies where I think it really should work but it doesn't, not very well, meaning the tuner can't find a match in a few places where calculations show it should. Recently I borrowed an MFJ 269 antenna analyzer and did a check for resonance points and found them far removed from where I figured they should be. So I took down the antenna, cut the legs more carefully, and put it back up with coax feed in place of the ladder line, and trimmed it for 1.9 MHz where I got an SWR of 1.2 to 1. Great for 160, of course not so great for any other ham bands I'm interested in (80 and 40) or the CAP/MARS frequencies in that range... I got it to work on all those frequencies but I'm sure I was getting plenty of loss in the coax in most cases.

Once I got it cut for the middle of 160, I put the ladder line and balun back on and now it's not resonant at anywhere near where it should be.

I've always assumed that if you cut an antenna for a half wavelength at some frequency and then feed it with ladder line and a balun (keeping well in mind the need to stay away from certain critical ladder line lengths), you should get resonance points at the fundamental and at each harmonic (not just the odd harmonics). At even harmonics the impedance will be through the roof but the imaginary ("j") component of the impedance should theoretically be zero and in practice should be at a low point, isn't that true? In other words, regardless what the feedpoint impedance is... low at odd harmonics, high at even... it should be resistive at the fundamental and each harmonic.

That certainly isn't what I'm seeing here... with ladder line, the resistive impedance point (the point of lowest imaginary impedance component) is below the lower limit of the MFJ-269, then again at around 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you the direction of the imaginary component). The next resonance point is at 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9 MHz I get approx. 14+/-j349 ohms.

This is with a feedline of 78 feet which according to my calculations (which could be wrong) should be well within a "green zone" of acceptability for any frequency up through 30 meters or so. I also tried it with a feedline of 68 feet and it didn't make a significant difference.

Clearly the resonance points with coax feed and with ladder line feed are far, far apart from each other, not at all what I expected. So how do I figure the resonance point at 1.9 MHz using the ladder line?

Rick WA1RKT

34084. RE: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 20:44:37 UTC
From: Myron Schaffer
Topic: 34083 Message: 34084

Smith Chart, if you know the input impedance to the antenna.

Myron WVØH
Printed on Recycled Data

34085. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 20:49:52 UTC
From: James Bennett
Topic: 34083 Message: 34085

Rick,

I am far, far from being an expert, but in my case I have an 88-foot long doublet fed with ladder line. I use a 4:1 balun at the shack end and run the antenna into either an Elecraft KAT500 tuner, or the built-in tuners in Elecraft K3 and KX3. I use this antenna setup on 40 through six meters. As I was told when I put it up and now feel comfortable with - don't worry about it being resonant. The ladder line provides a very low-loss path for your RF to the antenna and the tuner takes care of the mis-match. It works. The tuners are happy with it on all the bands. Once installed, I marched through each band, letting the tuner(s) find a match every 30 - 50 KHz or so and store them in memory. Haven't looked back since.

You "may" want to try a 4:1 balun, just to see if it make a difference. My guess is that it'll correct the trouble spot(s) you are seeing, but might move them somewhere else.

Just my 2 centavos worth. YMMV.

Jim / W6JHB

On Tuesday, Sep 23, 2014, at Tuesday, 1:36 PM, wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> I'm wondering if I've been doing it wrong all these years.
>
> Right after the terrorist attack on the WTC on 9/11, after being QRT for many years, I put up an inverted V cut roughly for 160 meters, fed with ladder line, thru a 1:1 current balun down near the shack window, to a succession of tuners at one time or another (currently an LDG AT-1000Pro) to the rig, currently an IC-746Pro and AL-811H amp running about 700 watts.
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> I didn't pay too much attention to the leg lengths since the plan was to use it on 160, 80, 40, and 30 meters, plus several CAP and MARS frequencies some of which are fairly far from the nearest ham band, so it really wasn't practical to try to cut it for resonance on any one band, hence the need for the ladder line, balun, and tuner.
>
> The antenna has worked well all these years but there are some frequencies where I think it really should work but it doesn't, not very well, meaning the tuner can't find a match in a few places where calculations show it should. Recently I borrowed an MFJ 269 antenna analyzer and did a check for resonance points and found them far removed from where I figured they should be. So I took down the antenna, cut the legs more carefully, and put it back up with coax feed in place of the ladder line, and trimmed it for 1.9 MHz where I got an SWR of 1.2 to 1. Great for 160, of course not so great for any other ham bands I'm interested in (80 and 40) or the CAP/MARS frequencies in that range... I got it to work on all those frequencies but I'm sure I was getting plenty of loss in the coax in most cases.
>
> Once I got it cut for the middle of 160, I put the ladder line and balun back on and now it's not resonant at anywhere near where it should be.

>
> I've always assumed that if you cut an antenna for a half wavelength at some frequency and then feed it with ladder line and a balun (keeping well in mind the need to stay away from certain critical ladder line lengths), you should get resonance points at the fundamental and at each harmonic (not just the odd harmonics). At even harmonics the impedance will be through the roof but the imaginary ("j") component of the impedance should theoretically be zero and in practice should be at a low point, isn't that true? In other words, regardless what the feedpoint impedance is... low at odd harmonics, high at even... it should be resistive at the fundamental and each harmonic.
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> That certainly isn't what I'm seeing here... with ladder line, the resistive impedance point (the point of lowest imaginary impedance component) is below the lower limit of the MFJ-269, then again at around 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you the direction of the imaginary component). The next resonance point is at 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9 MHz I get approx. 14+/-j349 ohms.
>
> This is with a feedline of 78 feet which according to my calculations (which could be wrong) should be well within a "green zone" of acceptability for any frequency up through 30 meters or so. I also tried it with a feedline of 68 feet and it didn't make a significant difference.
>
> Clearly the resonance points with coax feed and with ladder line feed are far, far apart from each other, not at all what I expected. So how do I figure the resonance point at 1.9 MHz using the ladder line?
>
> Rick WA1RKT
>
>

34086. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 21:08:04 UTC
From: Geoff NW7GM
Topic: 34083 Message: 34086

I have heard that if you are using a tuner, esp. on a multiband antenna, you DON'T tune the antenna for resonance. You should trim the antenna a bit short or long to give the tuner something to tune against. This was, at least, for the SGC line of tuners so YYMV (plus, how reliable is all of the info you read on the interwebz anyway?).

On Tuesday, September 23, 2014, James Bennett w6jhb@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Rick,
>
> I am far, far from being an expert, but in my case I have an 88-foot long
> doublet fed with ladder line. I use a 4:1 balun at the shack end and run
> the antenna into either an Elecraft KAT500 tuner, or the built-in tuners in
> Elecraft K3 and KX3. I use this antenna setup on 40 through six meters. As
> I was told when I put it up and now feel comfortable with - don't worry
> about it being resonant. The ladder line provides a very low-loss path for
> your RF to the antenna and the tuner takes care of the mis-match. It works.
> The tuners are happy with it on all the bands. Once installed, I marched
> through each band, letting the tuner(s) find a match every 30 - 50 KHz or
> so and store them in memory. Haven't looked back since.
>
> You "may" want to try a 4:1 balun, just to see if it make a difference. My
> guess is that it'll correct the trouble spot(s) you are seeing, but might
> move them somewhere else.
>
> Just my 2 centavos worth. YMMV.
>
> Jim / W6JHB
>
>
> On Tuesday, Sep 23, 2014, at Tuesday, 1:36 PM, wa1rkt@...
> <javascript:_e(%7B%7D,'cvml','wa1rkt@...');> [ham-antennas] <
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:
>
> I'm wondering if I've been doing it wrong all these years.
>
> Right after the terrorist attack on the WTC on 9/11, after being QRT for
> many years, I put up an inverted V cut roughly for 160 meters, fed with
> ladder line, thru a 1:1 current balun down near the shack window, to a
> succession of tuners at one time or another (currently an LDG AT-1000Pro)
> to the rig, currently an IC-746Pro and AL-811H amp running about 700 watts.

>
> I didn't pay too much attention to the leg lengths since the plan was to
> use it on 160, 80, 40, and 30 meters, plus several CAP and MARS frequencies
> some of which are fairly far from the nearest ham band, so it really wasn't
> practical to try to cut it for resonance on any one band, hence the need
> for the ladder line, balun, and tuner.
>
> The antenna has worked well all these years but there are some frequencies
> where I think it really should work but it doesn't, not very well, meaning
> the tuner can't find a match in a few places where calculations show it
> should. Recently I borrowed an MFJ 269 antenna analyzer and did a check
> for resonance points and found them far removed from where I figured they
> should be. So I took down the antenna, cut the legs more carefully, and
> put it back up with coax feed in place of the ladder line, and trimmed it
> for 1.9 MHz where I got an SWR of 1.2 to 1. Great for 160, of course not
> so great for any other ham bands I'm interested in (80 and 40) or the
> CAP/MARS frequencies in that range... I got it to work on all those
> frequencies but I'm sure I was getting plenty of loss in the coax in most
> cases.
>
> Once I got it cut for the middle of 160, I put the ladder line and balun
> back on and now it's not resonant at anywhere near where it should be.
>
> I've always assumed that if you cut an antenna for a half wavelength at
> some frequency and then feed it with ladder line and a balun (keeping well
> in mind the need to stay away from certain critical ladder line lengths),
> you should get resonance points at the fundamental and at each harmonic
> (not just the odd harmonics). At even harmonics the impedance will be
> through the roof but the imaginary ("j") component of the impedance should
> theoretically be zero and in practice should be at a low point, isn't that
> true? In other words, regardless what the feedpoint impedance is... low at
> odd harmonics, high at even... it should be resistive at the fundamental
> and each harmonic.
>
> That certainly isn't what I'm seeing here... with ladder line, the
> resistive impedance point (the point of lowest imaginary impedance
> component) is below the lower limit of the MFJ-269, then again at around
> 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you
> the direction of the imaginary component). The next resonance point is at
> 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9
> MHz I get approx. 14+/-j349 ohms.
>
> This is with a feedline of 78 feet which according to my calculations
> (which could be wrong) should be well within a "green zone" of
> acceptability for any frequency up through 30 meters or so. I also tried
> it with a feedline of 68 feet and it didn't make a significant difference.
>
> Clearly the resonance points with coax feed and with ladder line feed are
> far, far apart from each other, not at all what I expected. So how do I
> figure the resonance point at 1.9 MHz using the ladder line?

>
> Rick WA1RKT
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

34087. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 21:31:34 UTC
From: wa1rkt@...
Topic: 34083 Message: 34087

Good afternoon, Geoff.

Point is, the antenna fed with ladder line is far, far away from resonance at the design frequency of 1.9 MHz. So, no problem giving the tuner something to tune against :-). Antenna tuners are amazing beasts, especially the current crop of autotuners from folks like LDG. But they're typically only specified for an SWR of 10:1 or so. I've been operating mine with SWRs far in excess of that and they seem to work fine most of the time. But to give you just one example, my 160-meter inverted V with 1.2:1 at 1.9 MHz when fed with coax, exhibits such a high SWR when fed with ladder line that my autotuner really struggles trying to find a match and in some cases fails. The MFJ 269 shows an SWR of greater than 31:1 at that frequency. Asking an autotuner to handle that is asking too much I think.

No one has asked yet, but yes, I have (1) tried a different balun... no change; and (2) removed and re-installed all connections at each end of the ladder line and at the connect points for each antenna leg with new terminals, no change.

Rick WA1RKT

34088. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 21:41:36 UTC
From: wa1rkt@...
Topic: 34083 Message: 34088

Good afternoon, Jim.

I've heard the same... don't worry about resonance... that's why when I first put up this antenna I didn't worry too much about leg lengths. I use this on a good-sized list of CAP and MARS frequencies, some fairly far from any ham band, so it's a lost cause trying for resonance anyway. But one of my big problems... with this supposed 160-meter antenna... is that the tuner struggles mightily trying to find a match on 160 meters, and in many cases fails completely. That's when I decided to start off with something that's resonant on 160 and let the other bands fall where they may... and that's when I discovered that what I thought was resonant, isn't. So I'm trying to find out if my whole concept of resonant antennas fed with ladder line has been wrong all these years... seems like it has, in which case, how do you determine the correct length for resonance with a ladder-line-fed antenna?

As for the 4:1 balun, I have tried that and as you say, it just moves the problem areas to somewhere else. A switchable 4:1/1:1 current mode balun would be great if it were not for the fact that the balun is only accessible by going outside and climbing a ladder.

I could try switching a 4:1 unun in and out here in the shack, but that still begs the basic questions about resonance and ladder lines.

Rick WA1RKT

34089. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 22:20:13 UTC
From: farrerfolks@...
Topic: 34083 Message: 34089

Hello Rick,

A lot of good input, however, the point is that a resonant inverted V puts a terrible load on the tuner for all bands unless you give it a little help.

While I have several inverted V antennas and modeled them successfully, none of them liked the even harmonics. So, I switched to the same length antenna but fed it OCF. It requires a 4:1 balun and a 1:1 current choke but gives very reasonable performance and the tuner doesn't have to work so hard. Example: I have a inverted V antenna where the apex is at 120 feet and is pretty much a equilateral triangle for 160 meters. OK but I feed it at the middle of one side. OCF. Works well on the bottom three, 160, 80, & 40 with a tuner of course, but coax fed no ladder line.

On the other hand if you have the room, as I do, I put up quadrature double extended zepps on 160, yep 351 feet long fed in the middle with about 150 feet of 600 ohm ladder line off my 180 foot tower. Works ALL bands with a tuner.

Just some thoughts.

Mel, K6KBE

34090. Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-23 22:38:11 UTC
From: bge1946@...
Topic: 34090 Message: 34090

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.

Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything.

Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions
Gregg KK4WJG

34091. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 01:54:25 UTC
From: wa1rkt@...
Topic: 34083 Message: 34091

>> While I have several inverted V antennas
>> and modeled them successfully, none
>> of them liked the even harmonics.

Good evening, Mel.

Understood. The impedance on even harmonics will be sky-high, that's well known. But my point is that it should be resistive or nearly so. Fed with ladder line, mine is not, not even close, not on the fundamental and not on the even (or odd) harmonics, the impedance is highly reactive. That's what I'm trying to understand.

>> So, I switched to the same length antenna but fed
>> it OCF. It requires a 4:1 balun and a 1:1 current
>> choke but gives very reasonable performance and
>> the tuner doesn't have to work so hard.

That is my Plan B. If I can't get this inverted V to work with ladder line I plan to extend one leg, shorten the other leg, install a 4:1 current balun and feed it with coax. I have another OCF dipole for 80 meters and it works quite well.

>> On the other hand if you have the room, as I do...

Yes, well, there is that :-). I actually have a fair amount of room, considerably more than the average ham I think, but still there are limits. This afternoon I measured my yard for space to add 60 feet to one leg of my inverted V to make an OCF for 160 while leaving the feedpoint where it is (there are reasons why it's vastly preferable to leave the feedpoint where it is rather than feed partway down one leg as you have done). It just barely fits... but it does fit.

I don't get to put up 180-foot towers.

Rick WA1RKT

34092. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 02:01:16 UTC
From: wa1rkt@...
Topic: 34083 Message: 34092

>> Works well on the bottom three, 160, 80, & 40
>> with a tuner of course, but coax fed no ladder line.

My feedline length is about 75 feet. I'm trying to avoid the high loss that a high SWR on a coax line will exhibit. Keep in mind that I need to be able to use this thing on a list of CAP and MARS frequencies, some of which are a fair distance from any ham band.

Rick WA1RKT

34093. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 02:03:59 UTC
From: Stan Labinsky Jr.
Topic: 34090 Message: 34093

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit.
Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna.
Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here.
I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well.
Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you.

Things to consider,

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Motor-home Antenna

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.

Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything.

Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions

Gregg KK4WJG

34094. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 02:16:45 UTC
From: Gregg
Topic: 34090 Message: 34094

Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging. Sent on a Sprint Samsung Galaxy Note® 3
-------- Original message --------
From: "'Stan Labinsky Jr.' k2stn@frontier.com [ham-antennas]"
Date:09/23/2014 9:03 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit. Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna. Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here. I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well. Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you. Things to consider, Stan From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, September 23, 2014 6:38 PM To: ham-antennas@yahoogroups.com Subject: [ham-antennas] Motor-home Antenna We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna. Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything. Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions Gregg KK4WJG

34095. Re: OT, Patcomm modules

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 02:54:04 UTC
From: Graham
Topic: 34080 Message: 34095

Perhaps put an add on qth.com - lots of radio gear for sale/buy there!

Welcome to the hobby!!

73,
Graham
ZL3TV
West Eyreton
New Zealand

34096. Re: [ham-antennas] Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:14:52 UTC
From: Don Sanders
Topic: 34083 Message: 34096

Have you tried adding 1/8nwave more ladder line, or removing same.
Often this will change the impedance enough to allow tuner to make a match.

Dr. Don W4BWS

On Tue, Sep 23, 2014 at 4:31 PM, wa1rkt@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Good afternoon, Geoff.
>
> Point is, the antenna fed with ladder line is far, far away from resonance
> at the design frequency of 1.9 MHz. So, no problem giving the tuner
> something to tune against :-). Antenna tuners are amazing beasts,
> especially the current crop of autotuners from folks like LDG. But they're
> typically only specified for an SWR of 10:1 or so. I've been operating
> mine with SWRs far in excess of that and they seem to work fine most of the
> time. But to give you just one example, my 160-meter inverted V with 1.2:1
> at 1.9 MHz when fed with coax, exhibits such a high SWR when fed with
> ladder line that my autotuner really struggles trying to find a match and
> in some cases fails. The MFJ 269 shows an SWR of greater than 31:1 at that
> frequency. Asking an autotuner to handle that is asking too much I think.
>
> No one has asked yet, but yes, I have (1) tried a different balun... no
> change; and (2) removed and re-installed all connections at each end of the
> ladder line and at the connect points for each antenna leg with new
> terminals, no change.
>
> Rick WA1RKT
>
>

34097. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:24:12 UTC
From: Mike
Topic: 34090 Message: 34097

Did you want it for driving operations.. or parked ?

On 09/23/2014 07:16 PM, Gregg bge1946@... [ham-antennas] wrote:
> Stan do appreciate the advice. Any suggestions for radials.. Wire
> on the ground. Length etc. Could ground the system to my car with a
> little rearranging.
>
>
> Sent on a Sprint Samsung Galaxy Note® 3
>
>
> -------- Original message --------
> From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
> Date:09/23/2014 9:03 PM (GMT-06:00)
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Motor-home Antenna
>
> Gregg, while using the hitch would be convenient, I've read several
> articles by some of the well experienced folks on one of the other
> forums which say that it's not the best option. As the base of the
> antenna is placed closer to the earth on the vehicle, the efficiency
> of the antenna goes down, by quite a bit.
> Your ten foot mount while not as convenient will give you a better
> system. To make it even less convenient, quarter wave vertical
> antennas (like your screwdriver) really do like to have a decent
> radial field beneath them... it's like the other half of the antenna.
> Mobile HF antennas depend on the capacitance between the vehicle
> chassis and the earth to operate (for the return currents). This path
> is very lossy and wastes lots of your power, but for a movable vehicle
> it's the best you can have. I'm thinking a car or pick-up truck, here.
> I've seen various articles talking about roll-out, roll-up radial
> systems. You might want to look for them as well.
> Another thing comes to mind, the distance from a tongue mounted
> antenna to anyone in the vehicle through the fiberglass wall. Unless
> you're running low power, you might be hitting yourself or your other
> with a bunch of RF, perhaps more than is OK for you.
> Things to consider,
> Stan
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Tuesday, September 23, 2014 6:38 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* [ham-antennas] Motor-home Antenna
>
> We are full time Rv'ers living in our motorhome. Motorhome has an
> aluminum roof and the sidewalls are aluminum as well.. Endcaps front

> and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.
>
>
> Currently I have set up on a tripod 20 feet in front of RV about 10
> foot in the air. Have it guyed down and have it grounded via a stake
> driven in the ground. Have not tried transmitting yet as I am a new
> ham and stil ltrying to get the feel for everything.
>
>
> Would you see any merit to mounting on the trailer hitch on the rear
> of the motorhome. Could pretty well leave intact all the time, with
> the exception of removing the whip before moving. Coils would just
> extend a couple of inches above the rear endcap. Thanks for your
> suggestions
>
> Gregg KK4WJG
>
>

--
Mike KC7NOA

34098. Re: [ham-antennas] Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:27:27 UTC
From: wa1rkt@...
Topic: 34083 Message: 34098

Good evening, Don.

Yes, I did try that. Didn't make a noticeable difference.

Rick WA1RKT

34099. Re: [ham-antennas] Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:35:37 UTC
From: Don Sanders
Topic: 34083 Message: 34099

I guess I would lay out a counterpoise for 160, tie the twin lead together and feed it as a long wire. Not neat but have done this with 80 meter doublet. I have not operated 160 for over 10 years.

Dr. Don W4BWS

On Tue, Sep 23, 2014 at 10:27 PM, wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Good evening, Don.
>
> Yes, I did try that. Didn't make a noticeable difference.
>
> Rick WA1RKT
>
>

34100. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:43:01 UTC
From: Gregg Evans
Topic: 34090 Message: 34100

Parked. Too big to be working with anything but steering wheel when moving. We liv we in it and try to stay a moth or so at a place then move on.
On Sep 23, 2014 10:24 PM, "Mike Patriot121@... [ham-antennas]" < ham-antennas@yahoogroups.com> wrote:

>
>
> Did you want it for driving operations.. or parked ?
>
>
> On 09/23/2014 07:16 PM, Gregg bge1946@... [ham-antennas] wrote:
>
>
> Stan do appreciate the advice. Any suggestions for radials.. Wire on
> the ground. Length etc. Could ground the system to my car with a little
> rearranging.
>
>
> Sent on a Sprint Samsung Galaxy Note® 3
>
>
> -------- Original message --------
> From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
> Date:09/23/2014 9:03 PM (GMT-06:00)
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Motor-home Antenna
>
>
>
> Gregg, while using the hitch would be convenient, I've read several
> articles by some of the well experienced folks on one of the other forums
> which say that it's not the best option. As the base of the antenna is
> placed closer to the earth on the vehicle, the efficiency of the antenna
> goes down, by quite a bit.
> Your ten foot mount while not as convenient will give you a better
> system. To make it even less convenient, quarter wave vertical antennas
> (like your screwdriver) really do like to have a decent radial field
> beneath them... it's like the other half of the antenna.
> Mobile HF antennas depend on the capacitance between the vehicle chassis
> and the earth to operate (for the return currents). This path is very
> lossy and wastes lots of your power, but for a movable vehicle it's the
> best you can have. I'm thinking a car or pick-up truck, here.
> I've seen various articles talking about roll-out, roll-up radial
> systems. You might want to look for them as well.

> Another thing comes to mind, the distance from a tongue mounted antenna to
> anyone in the vehicle through the fiberglass wall. Unless you're running
> low power, you might be hitting yourself or your other with a bunch of RF,
> perhaps more than is OK for you.
>
> Things to consider,
>
> Stan
>
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Tuesday, September 23, 2014 6:38 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Motor-home Antenna
>
>
>
> We are full time Rv'ers living in our motorhome. Motorhome has an
> aluminum roof and the sidewalls are aluminum as well.. Endcaps front and
> rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.
>
>
> Currently I have set up on a tripod 20 feet in front of RV about 10 foot
> in the air. Have it guyed down and have it grounded via a stake driven in
> the ground. Have not tried transmitting yet as I am a new ham and stil
> ltrying to get the feel for everything.
>
>
> Would you see any merit to mounting on the trailer hitch on the rear of
> the motorhome. Could pretty well leave intact all the time, with the
> exception of removing the whip before moving. Coils would just extend a
> couple of inches above the rear endcap. Thanks for your suggestions
>
> Gregg KK4WJG
>
>
> --
> Mike KC7NOA
>
>
>

34101. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 04:50:42 UTC
From: Mike
Topic: 34090 Message: 34101

Then for better performance on lower hf (even mid) for a mobile .... why
not think about this --

http://antennastealth.com/index.html

these are better than you would think .... there is a yahoo group for
these too ...

On 09/23/2014 08:43 PM, Gregg Evans bge1946@... [ham-antennas] wrote:
>
> Parked. Too big to be working with anything but steering wheel when
> moving. We liv we in it and try to stay a moth or so at a place then
> move on.
>
> On Sep 23, 2014 10:24 PM, "Mike Patriot121@...
> <mailto:Patriot121@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> Did you want it for driving operations.. or parked ?
>
>
> On 09/23/2014 07:16 PM, Gregg bge1946@...
> <mailto:bge1946@...> [ham-antennas] wrote:
>> Stan do appreciate the advice. Any suggestions for radials..
>> Wire on the ground. Length etc. Could ground the system to my
>> car with a little rearranging.
>>
>>
>> Sent on a Sprint Samsung Galaxy Note® 3
>>
>>
>> -------- Original message --------
>> From: "'Stan Labinsky Jr.' k2stn@...
>> <mailto:k2stn@...> [ham-antennas]"
>> Date:09/23/2014 9:03 PM (GMT-06:00)
>> To: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> Subject: Re: [ham-antennas] Motor-home Antenna
>>
>> Gregg, while using the hitch would be convenient, I've read
>> several articles by some of the well experienced folks on one of
>> the other forums which say that it's not the best option. As the
>> base of the antenna is placed closer to the earth on the vehicle,
>> the efficiency of the antenna goes down, by quite a bit.
>> Your ten foot mount while not as convenient will give you a

>> better system. To make it even less convenient, quarter wave
>> vertical antennas (like your screwdriver) really do like to have
>> a decent radial field beneath them... it's like the other half of
>> the antenna.
>> Mobile HF antennas depend on the capacitance between the vehicle
>> chassis and the earth to operate (for the return currents). This
>> path is very lossy and wastes lots of your power, but for a
>> movable vehicle it's the best you can have. I'm thinking a car or
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>> systems. You might want to look for them as well.
>> Another thing comes to mind, the distance from a tongue mounted
>> antenna to anyone in the vehicle through the fiberglass wall.
>> Unless you're running low power, you might be hitting yourself or
>> your other with a bunch of RF, perhaps more than is OK for you.
>> Things to consider,
>> Stan
>> *From:* mailto:ham-antennas@yahoogroups.com
>> *Sent:* Tuesday, September 23, 2014 6:38 PM
>> *To:* ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> *Subject:* [ham-antennas] Motor-home Antenna
>>
>> We are full time Rv'ers living in our motorhome. Motorhome has an
>> aluminum roof and the sidewalls are aluminum as well.. Endcaps
>> front and rear are fiberglass. Own a Ameritron SDA-100
>> screwdriver antenna.
>>
>>
>> Currently I have set up on a tripod 20 feet in front of RV about
>> 10 foot in the air. Have it guyed down and have it grounded via
>> a stake driven in the ground. Have not tried transmitting yet as
>> I am a new ham and stil ltrying to get the feel for everything.
>>
>>
>> Would you see any merit to mounting on the trailer hitch on the
>> rear of the motorhome. Could pretty well leave intact all the
>> time, with the exception of removing the whip before moving.
>> Coils would just extend a couple of inches above the rear
>> endcap. Thanks for your suggestions
>>
>> Gregg KK4WJG
>>
>
> --
> Mike KC7NOA
>
>

--
Mike KC7NOA

34102. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 03:33:16 UTC
From: Stan Labinsky Jr.
Topic: 34090 Message: 34102

First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna.
But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers.
I'd do a search of this forum and other antenna related forums for radials. You should get lottttts of hits. Typically radials are cut for the particular band of interest at a quarter wave length each. Cut them for the lowest band you expect to work. Then, if you had them on spools you could roll them out to the required length, a thin tent peg could hold them in place. Three or four would do the trick. Could even have them marked for each of the bands you work so you'd only have to measure them out once. Wouldn't need to be very heavy, eighteen or twenty gauge would be plenty and still have some reasonable strength without being too stiff to work with. Since they will be laying on the ground, the length shouldn't all that critical.

Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely.

73, Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 10:16 PM
To: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------
From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
Date:09/23/2014 9:03 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit.
Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to

have a decent radial field beneath them... it's like the other half of the antenna.
Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here.
I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well.
Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you.

Things to consider,

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Motor-home Antenna

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.

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Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions

Gregg KK4WJG

[Non-text portions of this message have been removed]

34103. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 15:35:11 UTC
From: soona4sail@...
Topic: 34083 Message: 34103

Morning. I had a similar tuning issue, several years ago, and it came down to a questionable quality balun. The 4 to 1 current balun, in a sealed PVC tube from a supposedly reputable manufacturer, turned out to be nothing more than enameled motor rewind wire, about 22 AVG, on a core no bigger than a quarter. It had fused and shorted. It was rated at 300 watts, but I doubt it would have worked at 20 watts. My rule now , is to never buy anything I cannot open up and look inside. There is a tremendous amount of garbage out there. One 4 to 1 current balun a local ham bought, turned out to be nothing more than a 6 inch galvanized nail, with abt 10 turns of cheapo RG 58 coiled around. Not a balun at all, but a gypo RF choke and not even a good one at that. He paid 50 bucks for it online, and it came in a sealed PVC tube.

I use a number of baluns, and they have all come from Balun Designs in Texas. There are other manufacturers out there, but I happen to have come across these guys first, and am very happy. If you have a mind for it, email Bob at Balun Designs, explain your problem, and and antenna in detail, and I am sure he will come back with a recommendation for you. The product is top grade, rated in the 3 to 5 KW range, and could easily handle the current and voltages on your 160 mtr antenna.. You may also want to build your own open wire feedline, as opposed to twinlead. A lot of the twin lead out there is of questionable quality too!

73 John and good luck
VE7MTW

34104. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 22:22:34 UTC
From: farrerfolks@...
Topic: 34083 Message: 34104

Also, take a carbon composition 200 ohm resistor and put it on the high side and check it out with the analyzer. I do that at swap meets and you would be surprised at how many I pass over as junk.....

Mel, K6KBE

34105. Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-24 22:59:02 UTC
From: A
Topic: 34090 Message: 34105

If you are gonna park and operate it is worth looking at portable Moxon beams and Hex Beams both can mount on your short mast , if you have trees you can use, i would throw up long wire antenna with a tuner , on my place i used a 1 oz weight with 30lb fishline casted way over the trees then tie a light rope to raise your wire , if you are using very light wire then tie your wire direct to the line . sometimes it is better to ask for Forgiveness, shoot them up safely and quietly , hihi. Enjoy the Journey, 73s, AJ W5HEH

ps my antenna is a OCF dipole feed is rg8x, 4:1 balun, my Tuner is inside my Rig but i also have a portable tuner i built , Emtech,Zm2 and a QRO type full legal limit ol' Heathkit 2060A , have you checked out the RV service net on 40 meters, they will have some experiences to share .

34106. Re: Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 00:53:31 UTC
From: soona4sail@...
Topic: 34083 Message: 34106

Great suggestion.!!!.....thanks for the heads up re the resistor. Save a lot of Xcvrs that way...

34107. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 06:57:36 UTC
From: Original Woodchuck
Topic: 34083 Message: 34107

On Tue, Sep 23, 2014 at 01:36:24PM -0700, wa1rkt@... [ham-antennas] wrote:

> Once I got it cut for the middle of 160, I put the ladder line and balun back on and now it's not resonant at anywhere near where it should be.

OK.

>
> I've always assumed that if you cut an antenna for a half wavelength at some frequency and then feed it with ladder line and a balun (keeping well in mind the need to stay away from certain critical ladder line lengths), you should get resonance points at the fundamental and at each harmonic (not just the odd harmonics). At even harmonics the impedance will be through the roof but the imaginary ("j") component of the impedance should theoretically be zero and in practice should be at a low point, isn't that true? In other words, regardless what the feedpoint impedance is... low at odd harmonics, high at even... it should be resistive at the fundamental and each harmonic.

"cut an antenna": to adjust an antenna, feedline, baluns and other hardware
until an "SWR" meter looks "good". This, I gather, is what hams usually
mean.

"Resonant": means that an item in question has no reactive impedance.
Antennas, when resonant, have an impedance, which we call ZL ("Load impedance")
of R+j0. For a dipole in free space, R is about 72 ohms.

MEASURED AT THE FEED POINT. Keep that in mind.

I simulated a 160m dipole, 15m high, inverted-V, over real ground, and it
"resonated" at 1.84MHz, with a calculated feed-point impedance of
ZL = 34 +j0 ohms. This is not surprising. The 50-ohm VSWR is therefore
about 1.4, also unsurprising.

Your statement about even and odd harmonics is correct.

> That certainly isn't what I'm seeing here... with ladder line, the resistive impedance point (the point of lowest imaginary impedance component) is below the lower limit of the MFJ-269, then again at around 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you the direction of the imaginary component). The next resonance point is at 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9 MHz I get approx. 14+/-j349 ohms.

MEASURED AT THE FEED POINT. But you're not keeping that in mind.

You're not measuring at the feedpoint, you're measuring at the end of
an unspecified length of ladder line. (Presumably nominal 450 ohm --
actually 400 ohm).

At the feedpoint, the 3MHz resonance should be about 7500 ohms.
But you measure 25 +/- j10.

>
> This is with a feedline of 78 feet which according to my calculations (which could be wrong) should be well within a "green zone" of acceptability for any frequency up through 30 meters or so. I also tried it with a feedline of 68 feet and it didn't make a significant difference.

78 feet is 23.77 meters. 1/4 wavelength is 40 m. 24/160= .15 (~1/6) wave.
Trust me, it is easier in meters. Ten feet, or 3 m is, at 160m,
about 3/160 or about 1/50 of a wave. As the Germans say, "macht es nichts".

Be careful about phrases like "any frequency".

> Clearly the resonance points with coax feed and with ladder line feed are far, far apart from each other, not at all what I expected. So how do I figure the resonance point at 1.9 MHz using the ladder line?

Well, one reason they're far apart is that coax has a so-called
velocity factor ("vf") of about 0.66 for solid polyethylene dielectric.
Ladder line's vf is about 1.0. (Often taken as .95).

Supposing the antenna to have no reactance at its feedpoint, then we
expect the feedline to have no reactance at n*vf/4 wavelengths distance,
where n = 1,2,3,4....

For vf=1, that would be at 1/4, 2/4, 3/4, 4/4,.... wavelengths or at
40, 80, 120, 160,... meters from the antenna. These will alternate,
such that 40, 120, ... will transform high antenna resistance to low
resistance, the others, 80, 160,... ("half-wave multiples"), will not
transform the antenna's resistance at all.

For coax, the places 40, 80, 120, 160m turn into 26.4, 52.8, 79 and
106 meters. (approximately).

To calculate more specifically, use the program "trline.exe", which
ARRL once supplied to those buying the "Antenna Book". There are also
transmission line calculators at various places around the web.

I have no idea how MFJ measures SWR for ladder line. I cannot advise
how to hook up ladder line to a SO-239 plug, other than to guess there
ought to be a 1:1 balun involved, wound from a transmission line with
an impedance of sqrt(50*400) = 141 ohms, good luck finding some of that.
(You can make it, see books by Sevick (not Cebik).)

Sorry for not providing any recommendations about using a vertical Zepp
or butterfly-mango array suspended from a captive balloon.

AB3NR "Answers, not advertisements."

34108. RE: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 11:59:47 UTC
From: Scott Myers
Topic: 34090 Message: 34108

If you are talking about radials that are going to be draped on the ground or just small fractions of a wavelength from the ground, don't bother to cut for resonance, as they will not be resonant as the ground itself comes into play. Rather, just make them at least 20 percent longer than your antenna is tall. It's really that simple. It's a long study if you want to go into it.

There is a lot to read on this subject, but I would suggest N6LF's research to be the definitive information you would want to look at on verticals and radial systems.

http://www.antennasbyn6lf.com/design_of_radial_ground_systems/

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, September 23, 2014 11:33 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna.
But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers.
I'd do a search of this forum and other antenna related forums for radials. You should get lottttts of hits. Typically radials are cut for the particular band of interest at a quarter wave length each. Cut them for the lowest band you expect to work. Then, if you had them on spools you could roll them out to the required length, a thin tent peg could hold them in place. Three or four would do the trick. Could even have them marked for each of the bands you work so you'd only have to measure them out once. Wouldn't need to be very heavy, eighteen or twenty gauge would be plenty and still have some reasonable strength without being too stiff to work with. Since they will be laying on the ground, the length shouldn't all that critical.

Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely.

73, Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 10:16 PM

To: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------
From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
Date:09/23/2014 9:03 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit.
Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna.
Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here.
I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well.
Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you.

Things to consider,

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Motor-home Antenna

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.

Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything.

Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions

Gregg KK4WJG

[Non-text portions of this message have been removed]

34109. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 12:32:10 UTC
From: KA4INM radio
Topic: 34083 Message: 34109

On 09/25/14 02:57, Original Woodchuck marmota@...:

> On Tue, Sep 23, 2014 at 01:36:24PM -0700, wa1rkt@... [ham-antennas] wrote:

>> Once I got it cut for the middle of 160, I put the ladder line and balun back on and now it's not resonant at anywhere near where it should be.

> OK.
>> I've always assumed that if you cut an antenna for a half wavelength at some frequency and then feed it with ladder line and a balun (keeping well in mind the need to stay away from certain critical ladder line lengths), you should get resonance points at the fundamental and at each harmonic (not just the odd harmonics). At even harmonics the impedance will be through the roof but the imaginary ("j") component of the impedance should theoretically be zero and in practice should be at a low point, isn't that true? In other words, regardless what the feedpoint impedance is... low at odd harmonics, high at even... it should be resistive at the fundamental and each harmonic.

> "cut an antenna": to adjust an antenna, feedline, baluns and other hardware
> until an "SWR" meter looks "good". This, I gather, is what hams usually
> mean.

/*snip*/
Just a stupid question from an outsider.
Was the antenna cut from the normal formula (that allows for the "end effect", not a physical quarter wavelength) and are real good quality end insulators being used? (not just rope)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34110. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 11:55:14 UTC
From: David V Colton
Topic: 34083 Message: 34110

David is truly a ham who understands antenna theory, AND can explain it so "most" people can understand the theory behind it. (And can do it without "Smith Chart" explanations.)
73,
Dave-KJ4PF

-----Original Message-----
From: Original Woodchuck marmota@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com>
Sent: Thu, Sep 25, 2014 2:57 am
Subject: Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

On Tue, Sep 23, 2014 at 01:36:24PM -0700, wa1rkt@... [ham-antennas] wrote:

Once I got it cut for the middle of 160, I put the ladder line and balun back on and now it's not resonant at anywhere near where it should be.

OK.

I've always assumed that if you cut an antenna for a half wavelength at some frequency and then feed it with ladder line and a balun (keeping well in mind the need to stay away from certain critical ladder line lengths), you should get resonance points at the fundamental and at each harmonic (not just the odd harmonics). At even harmonics the impedance will be through the roof but the imaginary ("j") component of the impedance should theoretically be zero and in practice should be at a low point, isn't that true? In other words, regardless what the feedpoint impedance is... low at odd harmonics, high at even... it should be resistive at the fundamental and each harmonic.

"cut an antenna": to adjust an antenna, feedline, baluns and other hardware until an "SWR" meter looks "good". This, I gather, is what hams usually mean.

"Resonant": means that an item in question has no reactive impedance. Antennas, when resonant, have an impedance, which we call ZL ("Load impedance")
of R+j0. For a dipole in free space, R is about 72 ohms.

MEASURED AT THE FEED POINT. Keep that in mind.

I simulated a 160m dipole, 15m high, inverted-V, over real ground, and it "resonated" at 1.84MHz, with a calculated feed-point impedance of
ZL = 34 +j0 ohms. This is not surprising. The 50-ohm VSWR is therefore about 1.4, also unsurprising.

Your statement about even and odd harmonics is correct.

That certainly isn't what I'm seeing here... with ladder line, the resistive impedance point (the point of lowest imaginary impedance component) is below the lower limit of the MFJ-269, then again at around 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you the direction of the imaginary component). The next resonance point is at 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9 MHz I get approx.

14+/-j349 ohms.

MEASURED AT THE FEED POINT. But you're not keeping that in mind.

You're not measuring at the feedpoint, you're measuring at the end of an unspecified length of ladder line. (Presumably nominal 450 ohm -- actually 400 ohm).

At the feedpoint, the 3MHz resonance should be about 7500 ohms. But you measure 25 +/- j10.

This is with a feedline of 78 feet which according to my calculations (which could be wrong) should be well within a "green zone" of acceptability for any frequency up through 30 meters or so. I also tried it with a feedline of 68 feet and it didn't make a significant difference.

78 feet is 23.77 meters. 1/4 wavelength is 40 m. 24/160= .15 (~1/6) wave.
Trust me, it is easier in meters. Ten feet, or 3 m is, at 160m,
about 3/160 or about 1/50 of a wave. As the Germans say, "macht es nichts".

Be careful about phrases like "any frequency".

Clearly the resonance points with coax feed and with ladder line feed are far, far apart from each other, not at all what I expected. So how do I figure the resonance point at 1.9 MHz using the ladder line?

Well, one reason they're far apart is that coax has a so-called velocity factor ("vf") of about 0.66 for solid polyethylene dielectric. Ladder line's vf is about 1.0.
(Often taken as .95).

Supposing the antenna to have no reactance at its feedpoint, then we expect the feedline to have no reactance at n*vf/4 wavelengths distance,
where n = 1,2,3,4....

For vf=1, that would be at 1/4, 2/4, 3/4, 4/4,.... wavelengths or at 40, 80, 120, 160,... meters from the antenna. These will alternate,such that 40, 120, ...
will transform high antenna resistance to low resistance, the others, 80, 160,...
("half-wave multiples"), will not transform the antenna's resistance at all.

For coax, the places 40, 80, 120, 160m turn into 26.4, 52.8, 79 and 106 meters.
(approximately).

To calculate more specifically, use the program "trline.exe", which ARRL once supplied to those buying the "Antenna Book". There are also
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I have no idea how MFJ measures SWR for ladder line. I cannot advise how to hook up ladder line to a SO-239 plug, other than to guess there
ought to be a 1:1 balun involved, wound from a transmission line with an impedance of sqrt(50*400) = 141 ohms, good luck finding some of that.
(You can make it, see books by Sevick (not Cebik).)

Sorry for not providing any recommendations about using a vertical Zepp or butterfly-mango array suspended from a captive balloon.

AB3NR "Answers, not advertisements."

34111. AW: [ham-antennas] Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 16:14:32 UTC
From: siegfried jackstien
Topic: 34090 Message: 34111

Autotuner at motor home

Motor home as "ground" for the tuner

Longwire ... either on a fishing pole ... or in a tree

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 24. September 2014 22:59
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Motor-home Antenna
>
>
>
> If you are gonna park and operate it is worth looking at portable Moxon
> beams and Hex Beams both can mount on your short mast , if you have trees
> you can use, i would throw up long wire antenna with a tuner , on my place
> i used a 1 oz weight with 30lb fishline casted way over the trees then tie
> a light rope to raise your wire , if you are using very light wire then
> tie your wire direct to the line . sometimes it is better to ask for
> Forgiveness, shoot them up safely and quietly , hihi. Enjoy the Journey,
> 73s, AJ W5HEH
>
> ps my antenna is a OCF dipole feed is rg8x, 4:1 balun, my Tuner is inside
> my Rig but i also have a portable tuner i built , Emtech,Zm2 and a QRO
> type full legal limit ol' Heathkit 2060A , have you checked out the RV
> service net on 40 meters, they will have some experiences to share .
>
>
>

34112. AW: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 16:24:29 UTC
From: siegfried jackstien
Topic: 34083 Message: 34112

What i would do is

Antenna halfwave for 160

Ladderline halfwave for 80!! (or better say quarterwave for 160!)

And then a high ratio balun down to 50 ohms

On 160 halfwave dipole and low to ground has low impedance ... that is transformed up with the quarterwave transformer (ladderline) ... and then back down with the balun

On 80 your dipole has high impedance

Ladderline is halfwave (no transforming) and so also high impedance on balun (and back down to 50 ohms)

On 40 and higher the same thing ... mid to high impedance on both ends of ladderline ... and a low impedance after the balun to coax (not exactly 50 ohms but in the range of any tuner)

That is nearly same setup that I use here (except that I use a fullsize deltaloop for 160) ...

....

Greetz

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 11:55
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Problem with 160-m inverted V fed with ladder
> line
>
>
>
> David is truly a ham who understands antenna theory, AND can explain it so
> "most" people can understand the theory behind it. (And can do it without
> "Smith Chart" explanations.) O:-
>)<http://o.aolcdn.com/cdn.webmail.aol.com/resources/core/images/halo.png>
> 73,
> Dave-KJ4PF
>
>
>

> -----Original Message-----
> From: Original Woodchuck marmota@embarqmail.com [ham-antennas] <ham-
> antennas@yahoogroups.com>
> To: wa1rkt@comcast.net [ham-antennas] <ham-antennas@yahoogroups.com>
> Sent: Thu, Sep 25, 2014 2:57 am
> Subject: Re: [ham-antennas] Problem with 160-m inverted V fed with ladder
> line
>
>
>
> On Tue, Sep 23, 2014 at 01:36:24PM -0700, wa1rkt@... [ham-
> antennas] wrote:
>
> Once I got it cut for the middle of 160, I put the ladder line and balun
> back on and now it's not resonant at anywhere near where it should be.
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> OK.
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> I've always assumed that if you cut an antenna for a half wavelength at
> some frequency and then feed it with ladder line and a balun (keeping well
> in mind the need to stay away from certain critical ladder line lengths),
> you should get resonance points at the fundamental and at each harmonic
> (not just the odd harmonics). At even harmonics the impedance will be
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> "Resonant": means that an item in question has no reactive impedance.
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> of R+j0. For a dipole in free space, R is about 72 ohms.
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> it with a feedline of 68 feet and it didn't make a significant difference.
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> 78 feet is 23.77 meters. 1/4 wavelength is 40 m. 24/160= .15 (~1/6) wave.
> Trust me, it is easier in meters. Ten feet, or 3 m is, at 160m,
> about 3/160 or about 1/50 of a wave. As the Germans say, "macht es
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> resistance at all.
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> meters. (approximately).
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> impedance of sqrt(50*400) = 141 ohms, good luck finding some of that.
> (You can make it, see books by Sevick (not Cebik).)
>
> Sorry for not providing any recommendations about using a vertical Zepp or
> butterfly-mango array suspended from a captive balloon.
>
> AB3NR "Answers, not advertisements."
>
>
>

34113. Re: AW: [ham-antennas] Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 16:39:44 UTC
From: Mel Farrer
Topic: 34090 Message: 34113

I like options. Here is a nice simple multi-configuration antenna. for 80-10+ meters, cut the antenna for OCF 45 and 90 feet. In restricted spaces, configure the antenna as a end fed 90 foot with a 1:1 choke balun after the tuner. Use the antenna turner to resonant. Where space allows, configure as a OCF antenna with the 4:1 balun and a 1:1 choke balun and antenna tuner. Should be the best of both worlds.
Mel, K6KBE

On Thursday, September 25, 2014 9:16 AM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Autotuner at motor home

Motor home as "ground" for the tuner

Longwire ... either on a fishing pole ... or in a tree

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 24. September 2014 22:59
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Motor-home Antenna
>
>
>
> If you are gonna park and operate it is worth looking at portable Moxon
> beams and Hex Beams both can mount on your short mast , if you have trees
> you can use, i would throw up long wire antenna with a tuner , on my place
> i used a 1 oz weight with 30lb fishline casted way over the trees then tie
> a light rope to raise your wire , if you are using very light wire then
> tie your wire direct to the line . sometimes it is better to ask for
> Forgiveness, shoot them up safely and quietly , hihi. Enjoy the Journey,
> 73s, AJ W5HEH
>
> ps my antenna is a OCF dipole feed is rg8x, 4:1 balun, my Tuner is inside
> my Rig but i also have a portable tuner i built , Emtech,Zm2 and a QRO
> type full legal limit ol' Heathkit 2060A , have you checked out the RV
> service net on 40 meters, they will have some experiences to share .
>
>
>

34114. FW: [ham4sale] Fwd: Norms Radios for sale

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 16:42:12 UTC
From: Gary H. Harmon, Jr.
Topic: 34114 Message: 34114

According to QRZ, The fellow handling the sale of this stuff is in WI and shipping is not an option. He told me "local sales only." But he has a ton of stuff including lots of Heathkit items.

Contact Dennis Lerum. His email address is

k9nam1@...

If you plan to go, he lists Heathkit HA-10 amplifier parts. I need a meter. If he has an extra meter and it can be bought reasonably and you can mail it to me, please let me know.

Reminder, email Dennis, NOT me.

73,

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham4sale@yahoogroups.com [mailto:ham4sale@yahoogroups.com] On Behalf Of Dave N9WQ n9wq-@... [ham4sale]
Sent: Wednesday, September 24, 2014 4:47 PM
To: ham4sale@yahoogroups.com
Subject: [ham4sale] Fwd: Norms Radios for sale

ALL REPLYS PLEASE SEND TO k9nam@... THANKS!!!!

-------- Original Message --------

Subject:

Norms Radios for sale

Date:

Mon, 22 Sep 2014 18:37:28 -0500

From:

Dennis Lerum <mailto:k9nam1@...> <k9nam1@...>

To:

Bob <mailto:k9bcf@...m> <k9bcf@...>, cguter <mailto:cguter@...> <cguter@kmoraine.com>, Dave <mailto:n9wq@...> <n9wq@...>, Doug Prescher <mailto:braindeaddoug@...> <braindeaddoug@...>, Illinois Bob <mailto:nn9t@...> <nn9t@...>, J G <mailto:w9gl@...> <w9gl@...>, Len Kreyer <mailto:n9qip@...> <n9qip@winetwork.org>, Mike Poulda <mailto:kb9rbl@...> <kb9rbl@...>, Phil Lerum <mailto:n9mgf1@...> <n9mgf1@...>, Ralph <mailto:w9car@frontier.com> <w9car@...>, Randy Fondulac <mailto:telecool@...> <telecool@...>, Roger Gough <mailto:rbgough11@...> <rbgough11@gmail.com>, Ted <mailto:w9nheted@...> <w9nheted@...>

<https://mail.google.com/mail/u/0/images/cleardot.gif> Hey guys here is the list. Pass it around to your friends. I did not get time to price all of them yet but if anyone has any interest I will entertain offers.

Thanks

Norms Radios

Asking

1. ICOM 746 needs test

$425.00

2. HEATH KIT SB-200 (works)

$450.00

3. Knight Space Spanner

$75.00

4. Knight TR-106 6-MTR

$110.00

6. Knight VFO V-107

7. Knight p-2 SWR & PWR MTR

$10.00

7. Knight p-2 SWR & PWR MTR

$10.00

10. Knight 50 WATT XMTR T-50

$60.00

16. HOME BREW AMP

17. Knight RCVR (no case) R-100??

18. ELECTRO VOICE 729SR

$20.00

19. REGENCY DR-200 MONITORAD1O

$10.00

21. H-KIT SB-610 STA CONSOLE

$100.00

22. H-KIT HO-13 HAM SCAN

$60.00

23. H-KIT GR-81

$110.00

24. H-KIT AM-2 PWR-SWR

$20.00

26. ELECTRO VOICE MERCURY MIC

$125.00

29. H-KIT DX-35 XMITTER

$60.00

30. H-KIT HG-10 VFO

$100.00

31. H-KIT DX 60B XMTR

$85.00

32. H-KIT HM-15 SWR & PWR MTR

$20.00

33. H-KIT HR-10B RCVR

$100.00

34. RCVR AR-2 $80.00 ??

$80.00

35. Knight Span Master

$45.00

36. Multi Elmac Trans-citer AF-67

$75.00

37. Multi Elmac Trans-citer AF-68

$225.00

40. Johnson Viking Challenger

$50.00

41. H-Kit Q Multiplier QF-1

$20.00

42. H-Kit Q Multiplier QF-1

$20.00

43. Harvey Wells TS-90 xmtr

$100.00

45. Swan 400

$100.00

46. Heathkit VFO HG 10

$100.00

47. Heathkit Speaker HS-1661

$50.00

48. National NCX-3

$60.00

49. AMECO 2&6 TRANSMITTER

$50.00

50. HEATHKIT SB-600 SPEAKER

$50.00

51. TEMPO MODEL 2020 SSB TRANSCEIVER

$175.00

52. HEATHKIT REFLECTED POWER METER MODEL HM-15

$20.00

53. EICO TRI BAND SSB/AM/CW TRANSCEIVER MODEL 753

$100.00

54. HEATHKIT HW-22 SSB TRANSCEIVER 40 METER

$85.00

55. HEATHKIT 80 METER SSB TRANSCEIVER HW-12

$85.00

56. HEATHKIT 20 METER SSB TRANSCEIVER HW-32

$85.00

57. EICO CODE OSCILLATOR MODEL 706

$25.00

58. HALICRAFTERS SX-146 RECEIVER

$150.00

59. HALICRAFTERS HT-46 TRANSMITTER

$175.00

60. HALICRAFTERS MODEL S-53A RECEIVER

$100.00

61. KENWOOD TS-440S NEEDS WORK

$250.00

63. Swan WM-2000

$50.00

64. Gonset Super 12 Receiver

65 Gonset Super 6 Receiver

66. Gonset G-66B Reciever

67. Gonset G-77 Receiver

68. PMR-8 Receiver

69. Gonset Super Ceiver

70. Morrow 3BR-5

71. Morrow 3BR-6

72. National NC-173 Receiver

73. National Receiver NC-109

74. National NC-270 Receiver

75. National NC-98 Receiver

76. Halicrafters SX-101A Receiver

77. Kenwood TR-7400A

78. Kenwood TR-7400A

79. Kenwood TR-7400A

80. Lafayette HE-20C Transceiver

81. Lafayette HE-45 Transceiver

82. Lafayette HE-45B Transceiver

83. EICO 3 band transceiver 753 parts

84. Swan 406-B

85. Swan MB-80A

86. GONSET 6meter transceiver with power supply

87. Swan VFO 410-C

88. Morrow Falcon receiver

89. Morrow 5BRF

90. Morrow FTR

91. Swan 120 Transceiver

92. Swan 140 Transceiver

93. Swan 175 Transceiver

94. Swan 240 Transceiver

95. Heathkit Dual Band HW-24

96. Heathkit SB-100 Receiver

97. Heathkit SB-104 Transmitter

98. Heathkit SB-401 Transmitter

99. Heathkit SB-301 Receiver

100. Heathkit SB-614 Monitor

101. Heathkit SB-604 (power supply)

102. Heathkit SB-644A (Monitor)

103. Heathkit SB-634 monitor

104. Heathkit SB-600 Speaker

105. Heathkit GP-11 Power Supply

106. Heathkit XC-6 6 meter converter

107. Heathkit VF1

108. Heathkit VF1

109. Heathkit VF1

110. Heathkit HM-2140 Power Meter

111. Heathkit DX-60 Transmitter

112. Heathkit AT-1 Transmitter

113. Heathkit DX-20

114 Heathkit DX-40

115. EICO 720 Transmitter

116. Kachina -1 Transceiver

117. National NCX-200 Transceiver

118 National NCX-500 Transceiver

119. National NCX-1000 Transceiver

120. Heathkit SB-500

121. Swan 250-C with power supply

122 Galaxy Accesory Console

123. Galaxy 5 Transceiver

124. Galaxy GT-550 Transceiver

125. Galaxy 5- Transceiver

126. National NCX 500 parts

127. Swan 410 VFO

128. Patcomm PC-1600 SOLD!

129. Hammarlund HQ-110

130. Harvey Wells ATR-3

131. SBE 34 parts

133. SBE 34 Transceiver

134. EICO Keyer

135. Heathkit HA-10 Linear Amplifier parts

136. Swan 400 with Power Supply

137. National NC-300 Receiver

138. Yaesu FT-100 parts or fix

139. Hallicrafters HT-17 Transmitter

140. Hallicrafters S-40B Receiver

141. Hallicrafters SX-71 Receiver

142. Hallicrafters SX-111 Receiver

143. Atlas 350-XL with Power Supply

144. Atlas 180 transceiver

145. Atlas 210 transceiver

146. Atlas 210X transceiver

147. Heathkit ss-9000 transciever

148. ICOM IC-736 TRANSCEIVER parts

149. Collins 51J receiver

150. National NC-105 receiver

151. ICOM IC-701 parts

152. Transcom SBT-3 transceiver with power supply

153. Clegg Venus Receiver

154. Utica 650 with VFO

155. Morrow CM-1 receiver?

156. Hallicrafters SX-43 receiver

157. Heathkit The Sixer transceiver

158. Heathkit HA-10 amplifier

159. ICOM 756-Pro 2 parts

160. Clegg FM-27B parts transceiver

[Non-text portions of this message have been removed]

34115. AW: AW: [ham-antennas] Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 17:04:17 UTC
From: siegfried jackstien
Topic: 34090 Message: 34115

With some antenna tools like 1:1, a 1:4 (both BALUNS not UNUNS!!) ...

And maybe a 1:9 unun

An outotuner or manual tuner

And a spool of wire

Some coax ... and a fishing pole

And an ANTENNA LAUNCHER

All that in a small toolbox

And you can erect any antenna anywhere

I take with me all thins that I could probably need (when oin on filedday as an example) ... see what my local options are ... and then build a proper setup

Sure some pre-cut wires may help for faster building such things

But even without that it is not that difficult to build an antenna in any location

Especially if you work against your motor home it is very easy ...

But sure with 2 trees (or one tree and a fishing pole fixed to the motor home) you also could build up any setup (ocf or ladderline fed doublet)

That motorhome setup is nearly the same thin as you would go on fieldday

So ... antenna building is not that magic ... just take the riht parts with you and you will be "on air" in minutes ... in any location

Dg9bfc

Sigi

Ps I just built an antenna launcher from a garden sprayer ... works superb ... and cause the pump is built in you do not need to take any other thins with you (compressor or bicycle pump or ...)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 16:40
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Motor-home Antenna
>

>
>
> I like options. Here is a nice simple multi-configuration antenna. for
> 80-10+ meters, cut the antenna for OCF 45 and 90 feet. In restricted
> spaces, configure the antenna as a end fed 90 foot with a 1:1 choke balun
> after the tuner. Use the antenna turner to resonant. Where space allows,
> configure as a OCF antenna with the 4:1 balun and a 1:1 choke balun and
> antenna tuner. Should be the best of both worlds.
>
> Mel, K6KBE
>
>
>
> On Thursday, September 25, 2014 9:16 AM, "'siegfried jackstien'
> siegfried.jackstien@freenet.de [ham-antennas]" <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
> Autotuner at motor home
>
> Motor home as "ground" for the tuner
>
> Longwire ... either on a fishing pole ... or in a tree
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Mittwoch, 24. September 2014 22:59
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Motor-home Antenna
> >
> >
> >
> > If you are gonna park and operate it is worth looking at portable Moxon
> > beams and Hex Beams both can mount on your short mast , if you have
> trees
> > you can use, i would throw up long wire antenna with a tuner , on my
> place
> > i used a 1 oz weight with 30lb fishline casted way over the trees then
> tie
> > a light rope to raise your wire , if you are using very light wire then
> > tie your wire direct to the line . sometimes it is better to ask for
> > Forgiveness, shoot them up safely and quietly , hihi. Enjoy the Journey,
> > 73s, AJ W5HEH
> >

> > ps my antenna is a OCF dipole feed is rg8x, 4:1 balun, my Tuner is
> inside
> > my Rig but i also have a portable tuner i built , Emtech,Zm2 and a QRO
> > type full legal limit ol' Heathkit 2060A , have you checked out the RV
> > service net on 40 meters, they will have some experiences to share .
> >
> >
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>
>

34116. Re: AW: AW: [ham-antennas] Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 17:11:19 UTC
From: Mel Farrer
Topic: 34090 Message: 34116

Right on Sigi,
You carried the option list to the max. ha. Great planning.
Mel, K6KBE

On Thursday, September 25, 2014 10:04 AM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  With some antenna tools like 1:1, a 1:4 (both BALUNS not UNUNS!!) ...

And maybe a 1:9 unun

An outotuner or manual tuner

And a spool of wire

Some coax ... and a fishing pole

And an ANTENNA LAUNCHER

All that in a small toolbox

And you can erect any antenna anywhere

I take with me all thins that I could probably need (when oin on filedday as an example) ... see what my local options are ... and then build a proper setup

Sure some pre-cut wires may help for faster building such things

But even without that it is not that difficult to build an antenna in any location

Especially if you work against your motor home it is very easy ...

But sure with 2 trees (or one tree and a fishing pole fixed to the motor home) you also could build up any setup (ocf or ladderline fed doublet)

That motorhome setup is nearly the same thin as you would go on fieldday

So ... antenna building is not that magic ... just take the riht parts with you and you will be "on air" in minutes ... in any location

Dg9bfc

Sigi

Ps I just built an antenna launcher from a garden sprayer ... works superb ... and cause the pump is built in you do not need to take any other thins with you (compressor or bicycle pump or ...)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 16:40
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: Motor-home Antenna
>
>
>
> I like options. Here is a nice simple multi-configuration antenna. for
> 80-10+ meters, cut the antenna for OCF 45 and 90 feet. In restricted
> spaces, configure the antenna as a end fed 90 foot with a 1:1 choke balun
> after the tuner. Use the antenna turner to resonant. Where space allows,
> configure as a OCF antenna with the 4:1 balun and a 1:1 choke balun and
> antenna tuner. Should be the best of both worlds.
>
> Mel, K6KBE
>
>
>
> On Thursday, September 25, 2014 9:16 AM, "'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas]" <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
> Autotuner at motor home
>
> Motor home as "ground" for the tuner
>
> Longwire ... either on a fishing pole ... or in a tree
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Mittwoch, 24. September 2014 22:59
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: Motor-home Antenna
> >
> >
> >
> > If you are gonna park and operate it is worth looking at portable Moxon
> > beams and Hex Beams both can mount on your short mast , if you have
> trees
> > you can use, i would throw up long wire antenna with a tuner , on my
> place
> > i used a 1 oz weight with 30lb fishline casted way over the trees then
> tie

> > a light rope to raise your wire , if you are using very light wire then
> > tie your wire direct to the line . sometimes it is better to ask for
> > Forgiveness, shoot them up safely and quietly , hihi. Enjoy the Journey,
> > 73s, AJ W5HEH
> >
> > ps my antenna is a OCF dipole feed is rg8x, 4:1 balun, my Tuner is
> inside
> > my Rig but i also have a portable tuner i built , Emtech,Zm2 and a QRO
> > type full legal limit ol' Heathkit 2060A , have you checked out the RV
> > service net on 40 meters, they will have some experiences to share .
> >
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34117. ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 17:45:44 UTC
From: siegfried.jackstien@...
Topic: 34117 Message: 34117

I found a neat way how to build a compressed air launcher (tennisballs and some fishing line ... you sure know how to use that)

the tricky thing is that i used a garden sprayer as the tank

see pictures (cause a picture tells more then a thousand words hi hi)

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411
https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411

the neat thing is the few needed parts and the VERY short way for the airflow

and the sprayer came with pressure gauge, safety valve ... and the handgrip had the trier valve included ... how neat is that?!?

so needed things

2x 75mm coupler (one cutted and filed down to match the modded sprinkler valve)

a garden sprayer

1 inch sprinkler valve

some glue (I used 2k epoxy cause there are 3 different plastc materials to be glued together and a solvent glue would maybe not work)

the pictures sure tell how it is built but if you have questions feel free to ask

dg9bfc

sigi

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411

34118. Re: Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 18:29:33 UTC
From: email4utoo@...
Topic: 34090 Message: 34118

Take a look at this link, use what ideas that will work for you with your RV - http://westsat.org/ http://westsat.org/

73s AJ W5HEH

34119. Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 18:53:09 UTC
From: Craig Palmer KF5JYZ
Topic: 34117 Message: 34119

potato cannon ....

Craig

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, September 25, 2014 12:45 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

I found a neat way how to build a compressed air launcher (tennisballs and some fishing line ... you sure know how to use that)

the tricky thing is that i used a garden sprayer as the tank

see pictures (cause a picture tells more then a thousand words hi hi)

https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411

the neat thing is the few needed parts and the VERY short way for the airflow

and the sprayer came with pressure gauge, safety valve ... and the handgrip had the trier valve included ... how neat is that?!?

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2x 75mm coupler (one cutted and filed down to match the modded sprinkler valve)

a garden sprayer

1 inch sprinkler valve

some glue (I used 2k epoxy cause there are 3 different plastc materials to be glued together and a solvent glue would maybe not work)

the pictures sure tell how it is built but if you have questions feel free to ask

dg9bfc

sigi

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4025/8271 - Release Date: 09/25/14

34120. AW: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 19:11:37 UTC
From: siegfried jackstien
Topic: 34117 Message: 34120

Yes ... but a special way how it is built

Modding the valve and mounting the coupler direct to the case of the valve

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 18:53
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER
>
>
>
> potato cannon ....
>
>
> Craig
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, September 25, 2014 12:45 PM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER
>
>
>
> I found a neat way how to build a compressed air launcher (tennisballs and
> some fishing line ... you sure know how to use that)
>
> the tricky thing is that i used a garden sprayer as the tank
>
> see pictures (cause a picture tells more then a thousand words hi hi)
>
> https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411
>
> the neat thing is the few needed parts and the VERY short way for the
> airflow
>
> and the sprayer came with pressure gauge, safety valve ... and the
> handgrip had the trier valve included ... how neat is that?!?
>
> so needed things
>

> 2x 75mm coupler (one cutted and filed down to match the modded sprinkler
> valve)
>
> a garden sprayer
>
> 1 inch sprinkler valve
>
> some glue (I used 2k epoxy cause there are 3 different plastc materials to
> be glued together and a solvent glue would maybe not work)
>
> the pictures sure tell how it is built but if you have questions feel free
> to ask
>
> dg9bfc
>
> sigi
>
>
>
>
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2014.0.4765 / Virus Database: 4025/8271 - Release Date: 09/25/14
>
>

34121. Re: [ham-antennas] Problem with 160-m inverted V fed with ladder line

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 19:34:03 UTC
From: Original Woodchuck
Topic: 34083 Message: 34121

On Thu, Sep 25, 2014 at 04:24:29PM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> What i would do is
>
> Antenna halfwave for 160
>
> Ladderline halfwave for 80!! (or better say quarterwave for 160!)
>
> And then a high ratio balun down to 50 ohms
>
> On 160 halfwave dipole and low to ground has low impedance ... that is
> transformed up with the quarterwave transformer (ladderline) ... and then
> back down with the balun

Is it transformed to a high impedance by 1/4 wave of line?
Apparently so. 1/4 wave transforms a "low" impedance at the antenna
to a "high" impedance at the end of the transmission line, and also
transforms a "high" impedance at the antenna to a "low" impedance at
the end of the line. "High" and "low" seem to mean "relative to the
characteristic impedance of the line. (In this case 400 ohms).

If we take the ZLoad of the antenna as 34+j0, then 1/4 wave of 400 line
transforms it to 4700 ohms, according to an as-yet-untrusted program
I have here.

The same line would transform 5000 ohms at the Load to 32+j0 at the end
of line, according to the same untrusted program.

> On 80 your dipole has high impedance
> Ladderline is halfwave (no transforming) and so also high impedance on balun
> (and back down to 50 ohms)
>

According to a NEC2 sim, about 7500 ohms. This would be untransformed
by a 1/2 wave of 400 line. This is going to need some fairly hefty
additional matching, right? Such as a 150:1 transformer? This transformer
would be a disaster on 160m, of course, so should be switched out.

This is a tuning situation akin to matching an end-fed 1/2 wave wire.
Well, that's what the antenna is on 80m -- two 1/2 wave end-feds.

> On 40 and higher the same thing ... mid to high impedance on both ends of
> ladderline ... and a low impedance after the balun to coax (not exactly 50
> ohms but in the range of any tuner)
>
> That is nearly same setup that I use here (except that I use a fullsize
> deltaloop for 160) ...

On a loop, though, you don't alternate high-low-high-low, do you? At least you don't for a square loop fed in the middle of the bottom. Zload will be something like 100,230,210,... for 160m, 80m, 40m...

That will transform by 40m of 400 line to 1600, 230, 210. Yeah, some sort of usual balun (4:1, I imagine) would make that all tunable easily (400, 57, 52 ohms). 20m should be "easy", too, for the loop.

Dave AB3NR

>
> ....
>
> Greetz
>
> sigi
>
> > -----Urspr?ngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 25. September 2014 11:55
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Problem with 160-m inverted V fed with ladder
> > line
> >
> >
> >
> > David is truly a ham who understands antenna theory, AND can explain it so
> > "most" people can understand the theory behind it. (And can do it without
> > "Smith Chart" explanations.) O:-
> >)<http://o.aolcdn.com/cdn.webmail.aol.com/resources/core/images/halo.png>
> > 73,
> > Dave-KJ4PF
> >
> >
> >
> > -----Original Message-----
> > From: Original Woodchuck marmota@... [ham-antennas] <ham-
> > antennas@yahoogroups.com>
> > To: wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com>
> > Sent: Thu, Sep 25, 2014 2:57 am
> > Subject: Re: [ham-antennas] Problem with 160-m inverted V fed with ladder
> > line
> >
> >
> >
> > On Tue, Sep 23, 2014 at 01:36:24PM -0700, wa1rkt@... [ham-
> > antennas] wrote:
> >
> > Once I got it cut for the middle of 160, I put the ladder line and balun
> > back on and now it's not resonant at anywhere near where it should be.
> >
> > OK.

> >
> > I've always assumed that if you cut an antenna for a half wavelength at
> > some frequency and then feed it with ladder line and a balun (keeping well
> > in mind the need to stay away from certain critical ladder line lengths),
> > you should get resonance points at the fundamental and at each harmonic
> > (not just the odd harmonics). At even harmonics the impedance will be
> > through the roof but the imaginary ("j") component of the impedance should
> > theoretically be zero and in practice should be at a low point, isn't that
> > true? In other words, regardless what the feedpoint impedance is... low at
> > odd harmonics, high at even... it should be resistive at the fundamental
> > and each harmonic.
> >
> > "cut an antenna": to adjust an antenna, feedline, baluns and other
> > hardware until an "SWR" meter looks "good". This, I gather, is what hams
> > usually mean.
> >
> > "Resonant": means that an item in question has no reactive impedance.
> > Antennas, when resonant, have an impedance, which we call ZL ("Load
> > impedance")
> > of R+j0. For a dipole in free space, R is about 72 ohms.
> >
> > MEASURED AT THE FEED POINT. Keep that in mind.
> >
> > I simulated a 160m dipole, 15m high, inverted-V, over real ground, and it
> > "resonated" at 1.84MHz, with a calculated feed-point impedance of
> > ZL = 34 +j0 ohms. This is not surprising. The 50-ohm VSWR is therefore
> > about 1.4, also unsurprising.
> >
> > Your statement about even and odd harmonics is correct.
> >
> > That certainly isn't what I'm seeing here... with ladder line, the
> > resistive impedance point (the point of lowest imaginary impedance
> > component) is below the lower limit of the MFJ-269, then again at around
> > 3.1 MHz where I get approx. 25+/-j10 ohms (the MFJ-269 will not tell you
> > the direction of the imaginary component). The next resonance point is at
> > 8.22 MHz where I get approx. 52+/-j23 ohms. At the design frequency of 1.9
> > MHz I get approx. 14+/-j349 ohms.
> >
> > MEASURED AT THE FEED POINT. But you're not keeping that in mind.
> >
> > You're not measuring at the feedpoint, you're measuring at the end of an
> > unspecified length of ladder line. (Presumably nominal 450 ohm -- actually
> > 400 ohm).
> >
> > At the feedpoint, the 3MHz resonance should be about 7500 ohms. But you
> > measure 25 +/- j10.
> >
> >
> > This is with a feedline of 78 feet which according to my calculations
> > (which could be wrong) should be well within a "green zone" of

> > acceptability for any frequency up through 30 meters or so. I also tried
> > it with a feedline of 68 feet and it didn't make a significant difference.
> >
> > 78 feet is 23.77 meters. 1/4 wavelength is 40 m. 24/160= .15 (~1/6) wave.
> > Trust me, it is easier in meters. Ten feet, or 3 m is, at 160m,
> > about 3/160 or about 1/50 of a wave. As the Germans say, "macht es
> > nichts".
> >
> > Be careful about phrases like "any frequency".
> >
> > Clearly the resonance points with coax feed and with ladder line feed are
> > far, far apart from each other, not at all what I expected. So how do I
> > figure the resonance point at 1.9 MHz using the ladder line?
> >
> > Well, one reason they're far apart is that coax has a so-called velocity
> > factor ("vf") of about 0.66 for solid polyethylene dielectric. Ladder
> > line's vf is about 1.0.
> > (Often taken as .95).
> >
> > Supposing the antenna to have no reactance at its feedpoint, then we
> > expect the feedline to have no reactance at n*vf/4 wavelengths distance,
> > where n = 1,2,3,4....
> >
> > For vf=1, that would be at 1/4, 2/4, 3/4, 4/4,.... wavelengths or at 40,
> > 80, 120, 160,... meters from the antenna. These will alternate,such that
> > 40, 120, ...
> > will transform high antenna resistance to low resistance, the others, 80,
> > 160,... ("half-wave multiples"), will not transform the antenna's
> > resistance at all.
> >
> > For coax, the places 40, 80, 120, 160m turn into 26.4, 52.8, 79 and 106
> > meters. (approximately).
> >
> > To calculate more specifically, use the program "trline.exe", which ARRL
> > once supplied to those buying the "Antenna Book". There are also
> > transmission line calculators at various places around the web.
> >
> > I have no idea how MFJ measures SWR for ladder line. I cannot advise how
> > to hook up ladder line to a SO-239 plug, other than to guess there
> > ought to be a 1:1 balun involved, wound from a transmission line with an
> > impedance of sqrt(50*400) = 141 ohms, good luck finding some of that.
> > (You can make it, see books by Sevick (not Cebik).)
> >
> > Sorry for not providing any recommendations about using a vertical Zepp or
> > butterfly-mango array suspended from a captive balloon.
> >
> > AB3NR "Answers, not advertisements."
> >
> >
> >

>
>
>
> ---
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---
>
> Yahoo Groups Links
>
>
>

34122. Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 20:08:20 UTC
From: Tom Becker
Topic: 34117 Message: 34122

> ...
https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411

Excellent, Siegfried.

At what pressure do you operate the gun? Are the photos of two different constructions?

Tom

34123. AW: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 22:49:57 UTC
From: siegfried jackstien
Topic: 34117 Message: 34123

No tom

All Pictures where made before glue added (except picture "finished")

Finished picture is with a second coupler in line glued to the tank (so barrel is not wobbling)

First cut down the sprinkler valve ... (see pictures)

Outer diameter matches inner of the coupler ... so with some cutting on the coupler I could glue that modded sprinkler valve direct to the one coupler

And then coupler and valve glued to the tank

Second coupler is just for mechanical strength (to hold the barrel)

Barrel is a thick walled 75mm pipe (inner matches tennisballs with a not too tight fit)

For a "soft shot" only 10 psi needed

With 20 psi you can reach all higher trees here in northern dl

With 30 psi you can overshoot SEVERAL high trees

Just tested once with 50 psi .... and I thought ... wow ... that will fly to the ISS ... grin (over 50m high and about 150m away it came down)

So ... depending on height needed the used pressure is around 15-20 psi only

You can use more if needed :-) just do some more pumps

The trigger valve from the sprayer is glued in the top of the sprinkler valve

Thats it ... nothing special except the cutting and filing work on the coupler and the sprinkler valve ... yes that takes some time ... but that construction makes a compact design and the air has only one 90 degree turn in the valve

In other constructions you have 2 curves in the valve ... plus one or 2 elbows and some adaptors ... that all lowers the impulse to the ball

With my compact design you have high performance even with only low pressure used

....

Any questions about construction??? Feel free to ask

Dg9bfc

Sigi

Ps playing with the dog makes a lot of fun ... grin

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 20:08
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER
>
>
>
> > ...
> https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411
>
> Excellent, Siegfried.
>
> At what pressure do you operate the gun? Are the photos of two
> different constructions?
>
> Tom
>
>
>
>

34124. Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-25 23:52:37 UTC
From: Alex Netherton
Topic: 34117 Message: 34124

A series of instructions with photos would be nice for some of us mentally challenged...

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Thu, Sep 25, 2014 at 4:08 PM, Tom Becker gtbecker@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> > ...
> https://groups.yahoo.com/neo/groups/ham-antennas/photos/albums/1300298411
>
> Excellent, Siegfried.
>
> At what pressure do you operate the gun? Are the photos of two
> different constructions?
>
> Tom
>
>
>

34125. AW: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 00:08:12 UTC
From: siegfried jackstien
Topic: 34117 Message: 34125

Did you see the pictures in my album

That shows clearly how all comes together

Modding of the sprinkler valve:

Cut down at the bottom (exhaust side) ... round the edges in the centre bore

Ream or file out the entrance side of the valve helps to lift up performance

(the threads are not needed cause you glue in the outer side of the flange)

Cut down and file down the 75mm coupler till it matches the valve (see again the pictures)

Demount the electric magnet in the sprinkler valve (if mounted) and close its hole with some 2k epoxy

In centre of the top of the sprinkler valve is a screw (for manual open of the valve) ... demount that screw and glue in the trigger valve in that hole

That□s is the special work that has to be done:

Modding the sprinkler valve for pneumatic action (see above)

Modding the sprinkler valve that it can be glued direct in the 75mm coupler and in the tank (cut in parallel to its bottom and so cut away the exhaust flange)

Cutting down and filing down the coupler

.....

Glue all together and let it sit over night

Stick in the barrel and have fun :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 23:53
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER
>
>

>
> A series of instructions with photos would be nice for some of us mentally
> challenged...
>
> 73
>
> Alex Netherton
> http://blueridgediscovery.org
> Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
>
> Amateur Radio call KC4BO (1979)
>
> On Thu, Sep 25, 2014 at 4:08 PM, Tom Becker gtbecker@... [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>
> > ...
> https://groups.yahoo.com/neo/groups/ham-
> antennas/photos/albums/1300298411
>
> Excellent, Siegfried.
>
> At what pressure do you operate the gun? Are the photos of two
> different constructions?
>
> Tom
>
>
>
>
>

34126. RE: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 00:21:59 UTC
From: Gregg
Topic: 34090 Message: 34126

Thanks for all the great suggestions. May need to just sell the screwdriver. Dealer I purchased the new radio from suggested that it would be great for the motorhome. Hence the reason I own a screwdriver. Sent on a Sprint Samsung Galaxy Note® 3
-------- Original message --------
From: "'Scott Myers' ac8de@ameritech.net [ham-antennas]"
Date:09/25/2014 6:59 AM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Motor-home Antenna

If you are talking about radials that are going to be draped on the ground or just small fractions of a wavelength from the ground, don't bother to cut for resonance, as they will not be resonant as the ground itself comes into play. Rather, just make them at least 20 percent longer than your antenna is tall. It's really that simple. It's a long study if you want to go into it. There is a lot to read on this subject, but I would suggest N6LF's research to be the definitive information you would want to look at on verticals and radial systems. http://www.antennasbyn6lf.com/design_of_radial_ground_systems/ 73, Scott AC8DE From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Sent: Tuesday, September 23, 2014 11:33 PM To: ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna. But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers. I'd do a search of this forum and other antenna related forums for radials. You should get lotttts of hits. Typically radials are cut for the particular band of interest at a quarter wave length each. Cut them for the lowest band you expect to work. Then, if you had them on spools you could roll them out to the required length, a thin tent peg could hold them in place. Three or four would do the trick. Could even have them marked for each of the bands you work so you'd only have to measure them out once. Wouldn't need to be very heavy, eighteen or twenty gauge would be plenty and still have some reasonable strength without being too stiff to work with. Since they will be laying on the ground, the length shouldn't all that critical. Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely. 73, Stan From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, September 23, 2014 10:16 PM To: mailto:ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging. Sent on a Sprint Samsung Galaxy Note® 3 -------- Original message -------- From: "'Stan Labinsky Jr.' k2stn@frontier.com [ham-antennas]" Date:09/23/2014 9:03 PM (GMT-06:00) To: ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna Gregg, while using the hitch would be

convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit. Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna. Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here. I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well. Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you. Things to consider, Stan From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, September 23, 2014 6:38 PM To: ham-antennas@yahoogroups.com Subject: [ham-antennas] Motor-home Antenna We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna. Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything. Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions Gregg KK4WJG [Non-text portions of this message have been removed]

34127. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 00:30:59 UTC
From: Mel Farrer
Topic: 34090 Message: 34127

Hello Scott, we got off track about the Screwdriver antenna. Sorry, I have also used my HI-Q mobile screwdriver antenna with a lot of extra wire added to the end of the whip. While it won't let you operate 10 or 6 meters easily, it does a great job of increasing the eff of the radiated signal on the lower bands including 160. Requires the use of a antenna analyzer to make tune up simple, but it does add a lot to the signal strength. Just a thought from us random camper/RV types, hi.
Mel, K6KBE

On Thursday, September 25, 2014 5:21 PM, "Gregg bge1946@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Thanks for all the great suggestions. May need to just sell the screwdriver. Dealer I purchased the new radio from suggested that it would be great for the motorhome. Hence the reason I own a screwdriver.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------From: "'Scott Myers' ac8de@... [ham-antennas]" Date:09/25/2014 6:59 AM (GMT-06:00) To: ham-antennas@yahoogroups.com Subject: RE: [ham-antennas] Motor-home Antenna
  If you are talking about radials that are going to be draped on the ground or just small fractions of a wavelength from the ground, don't bother to cut for resonance, as they will not be resonant as the ground itself comes into play. Rather, just make them at least 20 percent longer than your antenna is tall. It's really that simple. It's a long study if you want to go into it. There is a lot to read on this subject, but I would suggest N6LF's research to be the definitive information you would want to look at on verticals and radial systems.http://www.antennasbyn6lf.com/design_of_radial_ground_systems/ 73,Scott AC8DE
 From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, September 23, 2014 11:33 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna.
But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers.
I'd do a search of this forum and other antenna related forums for radials. You should get lottttts of hits. Typically radials are cut for the particular band of interest at a quarter wave length each. Cut them for the lowest band you expect to work. Then, if you had them on spools you could roll them out to the required length, a thin tent peg could hold them in place. Three or four would do the trick. Could even have them marked for each of

the bands you work so you'd only have to measure them out once. Wouldn't need to be very heavy, eighteen or twenty gauge would be plenty and still have some reasonable strength without being too stiff to work with. Since they will be laying on the ground, the length shouldn't all that critical.

Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely.

73, Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 10:16 PM
To: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------
From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
Date:09/23/2014 9:03 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit.
Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna.
Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here.
I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well.
Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you.

Things to consider,

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Motor-home Antenna

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron

SDA-100 screwdriver antenna.

Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything.

Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions

Gregg KK4WJG

[Non-text portions of this message have been removed]

34128. AW: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 00:42:23 UTC
From: siegfried jackstien
Topic: 34117 Message: 34128

http://www.rpesrl.it/image/prodotti/11/2/3%C2%B0-730%20scheda.pdf

that is the valve used

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 25. September 2014 23:53
> An: ham-antennas@...m
> Betreff: Re: [ham-antennas] ANTENNA LAUNCHER FROM GARDEN SPRAYER
>
>
>
> A series of instructions with photos would be nice for some of us mentally
> challenged...
>
> 73
>
> Alex Netherton
> http://blueridgediscovery.org
> Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
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> Amateur Radio call KC4BO (1979)
>
> On Thu, Sep 25, 2014 at 4:08 PM, Tom Becker gtbecker@... [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
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> > ...
> https://groups.yahoo.com/neo/groups/ham-
> antennas/photos/albums/1300298411
>
> Excellent, Siegfried.
>
> At what pressure do you operate the gun? Are the photos of two
> different constructions?
>
> Tom
>

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>

34129. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 01:23:31 UTC
From: Goldtr8 (KD8NNU)
Topic: 34090 Message: 34129

Don’t get rid of the screwdriver yet. In the long run you will be happy you have it.

As you stated you are a new ham and have to learn what to really do to enjoy the hobby. I suggest if you add some radials to your setup you can have some decent results.

If you also look at adding capacity hats to your mast length you can significantly improve your lower band performance.

Anyway do not make any quick decisions at this point in time as it will most likely just cost you money.

You just got you license and all that means you now have the license to learn and have fun. Take you time stay on this list and read and study. I could give you lots of ideas on what you could do but they would be based on my thoughts and how I operate. However, if you start slow and steady it will be lots of fun, then as you learn about antennas and improve your system you will hear more and make more contacts.

I also suggest you try and participate on the 3905CC club nets and start to make some contacts and get some QSL cards. I also suggest you join ARRL and also participate with LOTW (Logbook of the World).

There is so much to the hobby as you will soon learn.

Cheers
Don

~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, September 25, 2014 8:21 PM
To: mailto:ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Motor-home Antenna

Thanks for all the great suggestions. May need to just sell the screwdriver. Dealer I purchased the new radio from suggested that it would be great for the motorhome. Hence the reason I own a screwdriver.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------
From: "'Scott Myers' ac8de@... [ham-antennas]"
Date:09/25/2014 6:59 AM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Motor-home Antenna

If you are talking about radials that are going to be draped on the ground or just small fractions of a wavelength from the ground, don't bother to cut for resonance, as they will not be resonant as the ground itself comes into play. Rather, just make them at least 20 percent longer than your antenna is tall. It's really that simple. It's a long study if you want to go into it.

There is a lot to read on this subject, but I would suggest N6LF's research to be the definitive information you would want to look at on verticals and radial systems.

http://www.antennasbyn6lf.com/design_of_radial_ground_systems/

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, September 23, 2014 11:33 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna.
But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers.
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Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely.

73, Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, September 23, 2014 10:16 PM
To: mailto:ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging.

Sent on a Sprint Samsung Galaxy Note® 3

-------- Original message --------
From: "'Stan Labinsky Jr.' k2stn@... [ham-antennas]"
Date:09/23/2014 9:03 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit.
Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna.
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I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well.
Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you.

Things to consider,

Stan

From: mailto:ham-antennas@...m
Sent: Tuesday, September 23, 2014 6:38 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Motor-home Antenna

We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna.

Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything.

Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions

Gregg KK4WJG

[Non-text portions of this message have been removed]

34130. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 02:49:24 UTC
From: Gregg
Topic: 34090 Message: 34130

Don: thanks for the suggestion. I have just located a club that meets weekly a t the rv park where we are staying for the winter. Will be there next week. Not for sure what the 39.5 c stands for. Thanks again Sent on a Sprint Samsung Galaxy Note® 3
-------- Original message --------
From: "'Goldtr8 (KD8NNU)' goldtr8@charter.net [ham-antennas]"
Date:09/25/2014 8:23 PM (GMT-06:00)
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Motor-home Antenna

Don’t get rid of the screwdriver yet. In the long run you will be happy you have it. As you stated you are a new ham and have to learn what to really do to enjoy the hobby. I suggest if you add some radials to your setup you can have some decent results. If you also look at adding capacity hats to your mast length you can significantly improve your lower band performance. Anyway do not make any quick decisions at this point in time as it will most likely just cost you money. You just got you license and all that means you now have the license to learn and have fun. Take you time stay on this list and read and study. I could give you lots of ideas on what you could do but they would be based on my thoughts and how I operate. However, if you start slow and steady it will be lots of fun, then as you learn about antennas and improve your system you will hear more and make more contacts. I also suggest you try and participate on the 3905CC club nets and start to make some contacts and get some QSL cards. I also suggest you join ARRL and also participate with LOTW (Logbook of the World). There is so much to the hobby as you will soon learn. Cheers Don ~73 Don KD8NNU 2014 Top Gun :-) -.- -.. ---.. -. -. ..- From: mailto:ham-antennas@yahoogroups.com Sent: Thursday, September 25, 2014 8:21 PM To: mailto:ham-antennas@yahoogroups.com Subject: RE: [ham-antennas] Motor-home Antenna Thanks for all the great suggestions. May need to just sell the screwdriver. Dealer I purchased the new radio from suggested that it would be great for the motorhome. Hence the reason I own a screwdriver. Sent on a Sprint Samsung Galaxy Note® 3 -------- Original message -------- From: "'Scott Myers' ac8de@ameritech.net [ham-antennas]" Date:09/25/2014 6:59 AM (GMT-06:00) To: ham-antennas@yahoogroups.com Subject: RE: [ham-antennas] Motor-home Antenna If you are talking about radials that are going to be draped on the ground or just small fractions of a wavelength from the ground, don't bother to cut for resonance, as they will not be resonant as the ground itself comes into play. Rather, just make them at least 20 percent longer than your antenna is tall. It's really that simple. It's a long study if you want to go into it. There is a lot to read on this subject, but I would suggest N6LF's research to be the definitive information you would want to look at on verticals and radial systems. http://www.antennasbyn6lf.com/design_of_radial_ground_systems/ 73, Scott AC8DE From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com] Sent: Tuesday, September 23, 2014 11:33 PM To: ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna First, the antenna will most likely be grounded to the car through the coax shield and the radio's negative lead. Still, I'd bond the shield to the vehicle's chassis near the radio, keeps the power wiring from trying to play antenna. But you will need to make sure that there's a fuse in the radio's negative lead besides the usual one in the positive. Right, I said the negative. Reason is, and it is a stretch but like any warning it's there 'cause some guy got bit by it. 'Seems that the car's negative lead from

the battery to the starter in this story failed and when he cranked the engine, the radio's wiring tried to pass the starter's couple hundred amps of current... smoke, lots of smoke. This assumes that the radio will be tied directly to the battery which is typically recommended by the manufacturers. I'd do a search of this forum and other antenna related forums for radials. You should get lotttts of hits. Typically radials are cut for the particular band of interest at a quarter wave length each. Cut them for the lowest band you expect to work. Then, if you had them on spools you could roll them out to the required length, a thin tent peg could hold them in place. Three or four would do the trick. Could even have them marked for each of the bands you work so you'd only have to measure them out once. Wouldn't need to be very heavy, eighteen or twenty gauge would be plenty and still have some reasonable strength without being too stiff to work with. Since they will be laying on the ground, the length shouldn't all that critical. Now I'm taking the understanding that you were intending to operate non-mobile. Radials dragging down the road might upset a few folks, the cops most likely. 73, Stan From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, September 23, 2014 10:16 PM To: mailto:ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna Stan do appreciate the advice. Any suggestions for radials.. Wire on the ground. Length etc. Could ground the system to my car with a little rearranging. Sent on a Sprint Samsung Galaxy Note® 3 -------- Original message -------- From: "'Stan Labinsky Jr.' k2stn@frontier.com [ham-antennas]" Date:09/23/2014 9:03 PM (GMT-06:00) To: ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] Motor-home Antenna Gregg, while using the hitch would be convenient, I've read several articles by some of the well experienced folks on one of the other forums which say that it's not the best option. As the base of the antenna is placed closer to the earth on the vehicle, the efficiency of the antenna goes down, by quite a bit. Your ten foot mount while not as convenient will give you a better system. To make it even less convenient, quarter wave vertical antennas (like your screwdriver) really do like to have a decent radial field beneath them... it's like the other half of the antenna. Mobile HF antennas depend on the capacitance between the vehicle chassis and the earth to operate (for the return currents). This path is very lossy and wastes lots of your power, but for a movable vehicle it's the best you can have. I'm thinking a car or pick-up truck, here. I've seen various articles talking about roll-out, roll-up radial systems. You might want to look for them as well. Another thing comes to mind, the distance from a tongue mounted antenna to anyone in the vehicle through the fiberglass wall. Unless you're running low power, you might be hitting yourself or your other with a bunch of RF, perhaps more than is OK for you. Things to consider, Stan From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, September 23, 2014 6:38 PM To: ham-antennas@yahoogroups.com Subject: [ham-antennas] Motor-home Antenna We are full time Rv'ers living in our motorhome. Motorhome has an aluminum roof and the sidewalls are aluminum as well.. Endcaps front and rear are fiberglass. Own a Ameritron SDA-100 screwdriver antenna. Currently I have set up on a tripod 20 feet in front of RV about 10 foot in the air. Have it guyed down and have it grounded via a stake driven in the ground. Have not tried transmitting yet as I am a new ham and stil ltrying to get the feel for everything. Would you see any merit to mounting on the trailer hitch on the rear of the motorhome. Could pretty well leave intact all the time, with the exception of removing the whip before moving. Coils would just extend a couple of inches above the rear endcap. Thanks for your suggestions Gregg KK4WJG [Non-text portions of this message have been removed]

34131. Re: [ham-antennas] Motor-home Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 03:58:01 UTC
From: Geoff NW7GM
Topic: 34090 Message: 34131

http://www.3905ccn.com/

3905 Century Club

On Thursday, September 25, 2014, Gregg bge1946@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Don: thanks for the suggestion. I have just located a club that meets
> weekly a t the rv park where we are staying for the winter. Will be there
> next week. Not for sure what the 39.5 c stands for.
>
> Thanks again
>
>
> Sent on a Sprint Samsung Galaxy Note® 3
>
>
> -------- Original message --------
> From: "'Goldtr8 (KD8NNU)' goldtr8@...
> <javascript:_e(%7B%7D,'cvml','goldtr8@...');> [ham-antennas]"
> Date:09/25/2014 8:23 PM (GMT-06:00)
> To: ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> Subject: Re: [ham-antennas] Motor-home Antenna
>
>
>
> Don’t get rid of the screwdriver yet. In the long run you will be
> happy you have it.
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> As you stated you are a new ham and have to learn what to really do to
> enjoy the hobby. I suggest if you add some radials to your setup you can
> have some decent results.
>
> If you also look at adding capacity hats to your mast length you can
> significantly improve your lower band performance.
>
> Anyway do not make any quick decisions at this point in time as it will
> most likely just cost you money.
>
> You just got you license and all that means you now have the license to
> learn and have fun. Take you time stay on this list and read and study.
> I could give you lots of ideas on what you could do but they would be based
> on my thoughts and how I operate. However, if you start slow and steady

> it will be lots of fun, then as you learn about antennas and improve your
> system you will hear more and make more contacts.
>
> I also suggest you try and participate on the 3905CC club nets and start
> to make some contacts and get some QSL cards. I also suggest you join
> ARRL and also participate with LOTW (Logbook of the World).
>
> There is so much to the hobby as you will soon learn.
>
> Cheers
> Don
>
> ~73
> Don
> KD8NNU
> 2014 Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Sent:* Thursday, September 25, 2014 8:21 PM
> *To:* mailto:ham-antennas@yahoogroups.com
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> Thanks for all the great suggestions. May need to just sell the
> screwdriver. Dealer I purchased the new radio from suggested that it
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>
>
> Sent on a Sprint Samsung Galaxy Note® 3
>
>
> -------- Original message --------
> From: "'Scott Myers' ac8de@...
> <javascript:_e(%7B%7D,'cvml','ac8de@...');> [ham-antennas]"
> Date:09/25/2014 6:59 AM (GMT-06:00)
> To: ham-antennas@yahoogroups.com
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> Scott AC8DE
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> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
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> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
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> From: "'Stan Labinsky Jr.' k2stn@...
> <javascript:_e(%7B%7D,'cvml','k2stn@...');> [ham-antennas]"
> Date:09/23/2014 9:03 PM (GMT-06:00)
> To: ham-antennas@yahoogroups.com
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> Sent: Tuesday, September 23, 2014 6:38 PM
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> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
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> Gregg KK4WJG
>
> [Non-text portions of this message have been removed]
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

34132. Trap dipole?

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 07:44:48 UTC
From: ikkefestbrems1@...
Topic: 34132 Message: 34132

I'm planning to make a trap dipole.
My question is in what band edge and how far from the edge do i place the cut-off frequency.

In my case in region 1 80M (3,500-3,800Mhz), what frequency do i select?

34133. Re: [ham-antennas] Trap dipole?

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 10:26:06 UTC
From: Yahoo Account
Topic: 34132 Message: 34133

The most success I've had building/tuning traps is when I've measured the resonant frequency of the trap while directly attached to an analyzer through a 50:200 Ω balun connected across the 200 Ω output. I tune the trap for a zero crossing of X on the R,X graph, and that's it. All other methods of loose coupling and VSWR have produced resonant frequencies that are way off. If you think about it, loosely coupling the trap by means of a few wire wraps close to the coil is in no way a representation of the actual circuit in use. Probably a great way to obtain the unloaded response but it's attached to wire, the antenna wire, and there is a certain amount of loading there and loose coupling doesn't get you to where you want to be.

```
Myron WVØH
Printed on Recycled Data
>
>Friday, September 26, 2014, 1:44 AM -0600 from ikkefestbrems1@yahoo.com [ham-antennas]
<ham-antennas@yahoogroups.com>:
>I'm planning to make a trap dipole.
>My question is in what band edge and how far from the edge do i place the cut-off
frequency.
>In my case in region 1 80M (3,500-3,800Mhz), what frequency do i select?
>
>
```

34134. Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-26 22:28:49 UTC
From: Alex Netherton
Topic: 34134 Message: 34134

Hi folks;
I am a 35+ year licensed Ham, and have used almost all kinds of antennas, from re-purposed CB antennas to store bought beams to balanced wire antennas through a tuner, and the last is what I want to ask about.
I was in a meeting the other night and a fellow was talking to a MARS group on an undisclosed frequency (near 40 meters) on a G5RV Jr. He was getting good signal reports, and then went to get onto a ARRL net on 75 meters. He had a little trouble tuning, and low battery, and thus was unable to do so, but some of the things he was saying threw me a little.

He told us that when he was operating on the MARS frequency that the tuner and mismatch of the line ate up most of his signal, thus his output on 40 meters with a G5RV Jr. (cut for 40 meters, at around 60 feet or so) from a 100 watt output from his rig, was reduced to about 5 watts radiated power at the antenna. This flies in the face of everything I have learned about matchers, antenna efficiency, and radiated power. I know that coil losses, say for a 10 foot screwdriver on 75 meters is just about that, but a G5RV? Was Lewis Varney's effort in vain? He opined that the only antenna that could really radiate was a resonant one. I am sure that is mostly true, but if that is the fact, why do so many have such good results with balanced wire and tuners?

I run a doublet, which is sort of a G5RV with balanced wire right into the shack. It is 102 feet long, and I tune it with a Heathkit SA-2040 through an internal balun. I often chase DX, and have cracked pileups with this antenna on 20, 17 and 15. Sometimes I run a SB-200 to even the odds, but most of the time it is not needed.

Am I really losing 10 to 20 dB in the line and tuner? The tuner never gets hot. The SB-200 will keep you warm in the winter though.

Thoughts would be appreciated.

73 de

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

34135. Re: [ham-antennas] Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 03:28:11 UTC
From: Don Sanders
Topic: 34134 Message: 34135

Alex, I'm not sure the fellow you are refering to really understands antennas.
A half size G5RV is OK 40 to 10 but is perhaps 2 to 3 S units below a dipole on 80.

An antenna does not have to be resonant to be efficient or to radiate a good signal.
Resonant antennas really only are important when fed with coax, to minimise losses.
Non-resonant antennas are efficient as long as there is a proper match to offset reactances and match impedance.
You are not losing 10 to 20 dbd with your doublet. I also have similar antenna and it works very well. Fear not, be courteous to jokers like the expert you refer to but remember that many self proclaimed experts only repeat erroneous information they have read or heard, probably on 75 meters.
I claim to only be an authority on antennas because an authority is one who knows a lot of experts.

Dr. Don W4BWS

On Fri, Sep 26, 2014 at 5:28 PM, Alex Netherton anetherton@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi folks;
> I am a 35+ year licensed Ham, and have used almost all kinds of antennas,
> from re-purposed CB antennas to store bought beams to balanced wire
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> Thoughts would be appreciated.
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> Alex Netherton
> http://blueridgediscovery.org
> Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
> Amateur Radio call KC4BO (1979)
>
>
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34136. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 13:51:12 UTC
From: glene77is@...
Topic: 34134 Message: 34136

Alex Netherton, KC4BO (1979)

I run QRP / CW only, mainly 20, often 40.
Ant is an end-fed LongWire, 225' long, at 17' up, via Heath Ant Tuner.
I have trim my LongWire to obtain SWR 1:1.1 on 40 M and 20 M.
Regularly make 1000 miles per Watt contacts to New England.
and sometimes to California or Oregon.
Efficiency is a concern on mine, with not much power to spare.

As I read the ARRL Antenna manual (which I recommend) ,
when any antenna is physically short of the calculated resonant length,
and is tuned into a resonant state by a Tuner,
then current lobe is being balanced by the Tuner.
The portion of the antenna that is being "tuned" to resonance is not radiating.
...
Therefore,
Anything less than a cut-to-length Resonant Antenna
will loose 'some' radiating power.

My conclusion is 'Full Resonant Length is most efficient'.

If I use a 32' EndFed on 40 M, I have a 1/4 wave resonant length of Antenna.
... Most efficient.
If I use a 32' EndFed on 80 M, I have half an antenna actually radiating,
... Less efficient.
Radiation is via via the physical Current Lobe,
... towards this near end of the wire,

Radiation is not via the physical Voltage Lobe,
... towards that far end of the wire.

At Resonance , the Current Lobe looks along these lines, really Peaked I^2

IMO,
If the Antenna is short of a resonant length,
then not all the required antenna length is there.
That is 'inefficient' by some standards.

Thus, the low efficiency of a short Mobile Whip Antenna, BOTTOM loaded.
Thus, the greater efficiency of a short Mobile Whip Antenna, TOP loaded.

My friends, operating QRO toss RF power away in order to have a multi-band GRV.
Very convenient compromise,
but I can not do that at QRP for efficiency reasons.

As an example of handling efficiency:
My friend Art used 600 W into an odd J-pole thing on 40M, only 20' long.

He reported weak signal contacts, unless he runs 600W, on the SSB net.
He recently changed to a Dipole, and his signal contacts jumped up several "S" units.
Same SSB Net.
Same orientation of East/West for the wires across house roof, Same poles, Same height up.
Same distances.

In my experience,
Antennas are a fun thing, and the theory basically works.
There is no magic, just some occasional mysteries.

Hope That Helps.

Glen Ellis, K4KKQ/KK4LPG (1958)

34137. Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 17:40:57 UTC
From: Al Bonnyman
Topic: 34134 Message: 34137

Glen,

I'm a new ham. I've been trying to understand what's going on.

There's a fundamental law of physics, the Law of Conservation of Energy: Energy is neither created or destroyed – it's just gets converted. For example, from chemical energy (coal delivered to a power plant) to heat energy (steam) to electricity (in power plant steam turbines) to RF (when it finally gets to your house and your transmitter).

Likewise, when you pump 10 watts of RF power out of your transmitter, it has to be accounted for someway. Assume you've perfectly tuned your tuner (next to the transmitter) to a 1:1 SWR, as I see it that RF energy eventually gets converted in a mix of ways:

1. Turned into heat due to ohmic resistance in your tuner and your feedline.
2. Turned into heat due to ohmic resistance in your antenna. I understand this is usually very low in copper and aluminum.
3. Radiated from your antenna to meet one of several fates:
a. Some of this is absorbed by the ground and converted to heat by ohmic resistance nearby (within one wavelength).
b. Some RF is absorbed by the ground and converted to heat by ohmic resistance over an intermediate distance of several hundred meters (depending on wavelength).
c. The rest radiates out into the distance to ultimately be picked up by (hopefully) others' receivers, bounced around by the ionosphere, absorbed by terrain very far away or sent into outer space to travel forever.

RF energy absorbed by the ground and converted to heat is spread over such a large area that you can't tell heating is going on without sensitive instruments. As I understand it, ground absorption is affected by soil conductivity, radials, antenna height, etc.

The RF energy that doesn't get absorbed by the Earth near your station may or may not go where you want it to go, depending on your antenna. A Yagi produces lots of "gain" but all that really means is that it's focusing all its energy in a narrow beam at the expense of little emitted in other directions; it doesn't actually emit any more energy than an omnidirectional vertical antenna.

Impedance mismatches in the system don't use up any of this energy themselves, but they do cause it to bounce back and forth. In the process, instead of just flowing out one time to the antenna, current may bounce back and forth. While the mismatches themselves don't use up energy, by causing this additional, unnecessary current flow, that extra parasitic current does cause additional ohmic resistance losses in your feedline. The poorer the match between your feedline and your antenna, the more energy is wasted in your feedline; less gets radiated out of your antenna. If you put another tuner between the antenna and feedline to get a 1:1 SWR, this issue goes away.

So my question – if you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?

Instead of reduced RF emission, I would think a lack of contacts using a non-resonant antenna would instead be due to:
1. Feedline losses due to impedance mismatches at each end of the feedline.
2. Unexpected radiation patterns (the RF gets out but not in the direction you want perhaps because you didn’t understand the antenna very well).

RF’s gotta go somewhere.

Thanks for helping me with this.

Al Bonnyman, KM4BYJ (2014)

On Sep 27, 2014, at 9:51, glene77is@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Alex Netherton, KC4BO (1979)
>
>
> I run QRP / CW only, mainly 20, often 40.
> Ant is an end-fed LongWire, 225' long, at 17' up, via Heath Ant Tuner.
> I have trim my LongWire to obtain SWR 1:1.1 on 40 M and 20 M.
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> Anything less than a cut-to-length Resonant Antenna
> will loose 'some' radiating power.
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> My friends, operating QRO toss RF power away in order to have a multi-band GRV.
> Very convenient compromise,
> but I can not do that at QRP for efficiency reasons.
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> As an example of handling efficiency:
> My friend Art used 600 W into an odd J-pole thing on 40M, only 20' long.
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> In my experience,
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> Hope That Helps.
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> Glen Ellis, K4KKQ/KK4LPG (1958)
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34138. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 17:55:29 UTC
From: David Gillooly
Topic: 34134 Message: 34138

This may help:
http://www.arrl.org/files/file/Technology/tis/info/pdf/q1106037.pdf

A tuner at the antenna will remove the high SWR on the line and thus there is no reflection down the line.

A tuner at the transmitter will match the transmitter to the impedance the line shows it,

The maximum power out of your transmitter will be put out to the antenna.

Yes the antenna may have a different pattern.

A high SWR at the transmitter can cause the transmitters protection circuit to reduce the amplifiers output power but this doesn't mean that power is burned up in the transmitter, just less put out.

You are right, any power that is sent out the transmitter is radiated by the antenna, less any line loss which is a function of line SWR and transmission line length.

David Gillooly

On Sat, Sep 27, 2014 at 10:40 AM, Al Bonnyman aabonnyman@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Glen,
>
> I’m a new ham. I’ve been trying to understand what’s going on.
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> There’s a fundamental law of physics, the Law of Conservation of Energy:
> Energy is neither created or destroyed – it’s just gets converted. For
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> or may not go where you want it to go, depending on your antenna. A Yagi
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> you want perhaps because you didn't understand the antenna very well).
>
>
> RF's gotta go somewhere.
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> Thanks for helping me with this.
>
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> On Sep 27, 2014, at 9:51, glene77is@... [ham-antennas] <

> ham-antennas@yahoogroups.com> wrote:
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> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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34139. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 18:11:59 UTC
From: L L bahr
Topic: 34134 Message: 34139

Glen,

Who says a non resonant antenna radiates less then a resonant one? Non of my antennas are resonant. Who cares if you are using open wire line with an appropriate "real" balanced line matching device? What is important is where is the radiating taking place and how well placed is this radiation to reach the intended reception of it. (radiation pattern) Reflected power does not go back into the transmitter but again gets sent back to the antenna system.

You obviously are doing some well founded thinking. A non resonant antenna does not have to be less efficient then a resonant one. As you kind of mentioned, a non resonant antenna with an inappropriate feedline may be radiating on the feedline more then on the antenna and thusly appear to be less efficient as it's pattern may not be appropriate for the intended receiving station. Anyone who tells you a non resonant antenna HAS TO BE less efficient then a resonant one doesn't know what they are talking about. For being a new ham, you are doing some well founded thinking!

Lee, w0vt

34140. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 18:29:08 UTC
From: Tom Becker
Topic: 34134 Message: 34140

I recall reading somewhere that there is nothing magical about antenna resonance; it's just easier to analyze.

Tom

34141. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 19:17:23 UTC
From: Joe
Topic: 34134 Message: 34141

In theory, I believe that a non resonant antenna would have to be less efficient than a resonant antenna. Consider an antenna that is presenting a 10:1VSWR to an antenna tuner. That would be 70 watts reflected for 100 watts forward power. (10:1 is not unreasonable to expect from some non resonant antennas). That reflected power takes a trip back down the coax, thru the tuner and back up multiple times (infinity in theory). All that equates to loss to the eventual radiated signal. That reflected signal may also be out of phase with the other signals being radiated. The power would be radiated, but it may not add to each other.

Remember all the people who work the world with 1 watt. Empirical testing by hams making contacts does not always equate to true antenna theory. I'm certainly guilty of that.

56 years as a ham and I still don't understand antennas. If I'm wrong I'll just plead old age..... 73, Joe, K1ike

Flame suit on, just in case.....

On 9/27/2014 2:11 PM,] wrote:
>
> Anyone who tells you a non resonant antenna HAS TO BE less efficient
> then a resonant one doesn't know what they are talking about.
>

34142. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 19:31:03 UTC
From: Ray Kasprzak
Topic: 34134 Message: 34142

The reflected power at a 10:1 SWR at 7 mhz with 100 feet of decent coax would be around 30 watts not 70. 1.32 db. Probably not enough to notice a difference at the other end.

http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html

Put the antenna tuner at the antenna feed point and there is no swr loss only feedline loss which is usually negligible. The secret is impedance matching for maximum power transfer.

□ □ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: Joe k1ike_mail@... [ham-antennas]
Date: 9/27/2014 2:17:21 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

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Flame suit on, just in case.....

On 9/27/2014 2:11 PM,] wrote:
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> then a resonant one doesn't know what they are talking about.
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34143. Power transfer...

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 20:08:17 UTC
From: Kenneth G. Gordon
Topic: 34143 Message: 34143

On 27 Sep 2014 at 14:31, 'Ray Kasprzak' raykasprzak@... [haRe: [ham-antennas] Conservation of Energy Re: Ant wrote:

> The secret is impedance?matching for maximum power transfer.

As I have also said before now.

This also applies to matters other-than antennas: like audio output stages....etc.

Ken W7EKB

34144. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 21:01:45 UTC
From: Joe
Topic: 34134 Message: 34144

10:1 VSWR with 100 watts forward power would be 66.95 watts, to be exact. This is what the antenna would be reflecting down the feed-line. We were talking about the efficiency of the antenna itself, not the feed-line or the tuner. Any tuner, even at the antenna feed-point, would decrease efficiency of the antenna due to ohmic losses. If losses were negligible manufacturers would not put wattage ratings on baluns and antenna tuners, and DXers wouldn't be burning them up.

Non-resonant antennas can work just fine for the average ham (I have one at my QTH) but I still say that they are not as efficient as a resonant antenna.

73, Joe, K1ike

On 9/27/2014 3:31 PM, 'Ray Kasprzak' raykasprzak@...
[ham-antennas] wrote:
> The reflected power at a 10:1 SWR at 7 mhz with 100 feet of decent
> coax would be around 30 watts not 70. 1.32 db. Probably not enough
> to notice a difference at the other end.
> http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html
> Put the antenna tuner at the antenna feed point and there is no swr
> loss only feedline loss which is usually negligible. The secret is
> impedance matching for maximum power transfer.

34145. AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 21:31:06 UTC
From: siegfried jackstien
Topic: 34134 Message: 34145

Ok ...

Resonant antenna for 80m would be 40m ... right??

But a 50m antenna would have more gain (2x5/8)

And if the reactance at feeding point will be cancelled out (with a series coil at feeding point) you have an antenna that is MORE efficient then your halfwave dipole and the antenna is non resonant without that coil(s)

And if you then let the coils away ... but connect ladderline at that feedingpoint towards that shack and have a OOD balanced tuner there ... then the antenna still is non resonant

And it is still more efficient then your resonant halfwave dipole

...

The resonance of the antenna ... and efficiency of an antenna(system) are complete different kind of shoes

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 27. September 2014 21:02
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Conservation of Energy Re: Antenna question
>
>
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> 10:1 VSWR with 100 watts forward power would be 66.95 watts, to be
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> On 9/27/2014 3:31 PM, 'Ray Kasprzak' raykasprzak@...
> [ham-antennas] wrote:
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34146. Re: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 21:41:34 UTC
From: Al Bonnyman
Topic: 34134 Message: 34146

Once again, I'm trying to understand.

If an antenna has more "gain", doesn't that just mean that it focuses more energy in some particular direction (at the expense of less energy emitted in other directions)?

If your 50 meter antenna is actually emitting more RF than your 40 meter antenna, where is that additional energy coming from?

Thanks,

KM4BYJ (new ham)

> On Sep 27, 2014, at 17:31, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Ok ...
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> The resonance of the antenna ... and efficiency of an antenna(system) are
> complete different kind of shoes
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Samstag, 27. September 2014 21:02
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Conservation of Energy Re: Antenna question
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> >
> > On 9/27/2014 3:31 PM, 'Ray Kasprzak' raykasprzak@comcast.net
> > [ham-antennas] wrote:
> > > The reflected power at a 10:1 SWR at 7 mhz with 100 feet of decent
> > > coax would be around 30 watts not 70. 1.32 db. Probably not enough
> > > to notice a difference at the other end.
> > > http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html
> > > Put the antenna tuner at the antenna feed point and there is no swr
> > > loss only feedline loss which is usually negligible. The secret is
> > > impedance matching for maximum power transfer.
> >
> >
> >
> >
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>

34147. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 21:58:14 UTC
From: L L bahr
Topic: 34134 Message: 34147

This is ridiculous! With an effective feedline the reflected power goes back up to the antenna and some/most gets radiated. Then a small amount gets sent down the feedline again and if the feedline is efficient the power again gets sent up to the antenna where some/most again gets radiated. This goes on until the power is so small it is not significant. (Your example of one cycle is only one small part of what is going on.) In short, a non resonant antenna feed with an efficient feedline such as open wire line and then matched with a proper "REAL" balanced line tuner will give you a signal that could not be distinguished from one that was resonant. In actuality, either one could produce a signal at any one receiving point better then the other one. This would be due to the differences in radiation pattern but this has nothing to do with efficiency. (Radiating lobes will be different.) If a non resonant antenna gives you poor results, there is a lot of things wrong with the system other then not being resonant. (I'm talking about antenna efficiency and not which antenna would be best for any one point to point operating situation.) When you are using a non resonant antenna you must use a proper matching unit plus a proper feedline to achieve efficiency. You can't be using a none resonant dipole with a sky high SWR fe d with coax, which is lossy with a high SWR. Nor can you use an unbalanced tuner made into a balanced tuner through the use of a balun configured on the high impedance side of the balancing network. What I have said here is mainly for non resonant antennas which are cut for the lowest frequency oper ated. I'm not talking about some super short antenna which would have a lot of different losses based on how it was configured. (That's another story.) You must also understand to use non resonant long antennas, your matching tuner needs to be really efficient and could p ossibly need to handle some extremely high voltages. This is true even without an amplifier in line as a 100 watt transmitter can generate some really high voltages in a high SWR situation. I operate all over the place with long non resonant ante nnas. I'm in Air Force MARS and our frequencies can be easily 500 kHz above or below the ham bands. No problem with the use of good open wire line and the use of an efficient truly balanced design ed adjustable matching network. My signal is as strong or stronger then most because I have used proper feedline as well as an efficient matching device.

As for the comment on "the average ham", I would say you will most likely find long non resonant antennas are used by "non average hams" more then by "average hams" as they understand what is really going on here. You won't find too many of them using "loaded" dipoles with narrow bandwidths, you won't find too many of them with compromise off center fed antennas with a so so tolerable SWR on a few bands with no tuner or tuner in line such as a G5RV type antenna, and you won't find too many of them having some 4:1 or 9:1 balun in line either at the top or bottom of the feedline. Are all these schemes used in mass? You bet they are. Way too many are being used. They are very popular and pushed by profit motivated dealers to unsuspecting clueless hams. I'm amazed at how many ham s can't or won't even build their dipoles! Do these other antennas work? Sure they do, however a long non resonant dipole fed properly will allow you to go just about anywhere and have a really good signal and you don't have to worry about narrow bandwidth or worry about burning out the balun. Well, I guess many won't worry about permanently changing the properties of their balun with a high SWR because they don't realize this is a potential problem facing them.

Lee, w0vt

"100 watts forward power would be 66.95 watts, to be
exact. This is what the antenna would be reflecting down the
feed-line. We were talking about the efficiency of the antenna itself,
not the feed-line or the tuner. Any tuner, even at the antenna
feed-point, would decrease efficiency of the antenna due to ohmic
losses. If losses were negligible manufacturers would not put wattage
ratings on baluns and antenna tuners, and DXers wouldn't be burning them up."

Non-resonant antennas can work just fine for the average ham (I have one
at my QTH) but I still say that they are not as efficient as a resonant
antenna".

73, Joe, K1ike

34148. Re: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 22:12:37 UTC
From: L L bahr
Topic: 34134 Message: 34148

That is exactly what is happening, Al. There is no free lunch. There is no extra power being generated. you are just focusing it like a flashlight beam. There is no extra power. In the case of long antennas which are resonant or non resonant, the lobes produced are different then for say a half wave dipole. Your signal using a longer antenna will thus be stronger in some directions and weaker then in others. The longer the antenna, the more lobes will be produced so you will have more null and peak nodes.

When you are using coax which is lossy when a high SWR is present, it is terrible to use say an 80 meter antenna on 40 meters or a 40 meter dipole on 20 meters. This is because you would be feeding the antenna center point at the high voltage point of the waveform and not at the current portion of the waveform. If you try and install a balun at this feedpoint you will have very high voltages present at the balun. The balun material is easily forever altered into something lossy put under these conditions.

Lee, w0vt

Once again, I'm trying to understand.

If an antenna has more "gain", doesn't that just mean that it focuses more energy in some particular direction (at the expense of less energy emitted in other directions)?

If your 50 meter antenna is actually emitting more RF than your 40 meter antenna, where is that additional energy coming from?

Thanks,

KM4BYJ (new ham)

34149. Re: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 22:20:47 UTC
From: L L bahr
Topic: 34134 Message: 34149

Al,

You can usually use an antenna at it's odd multiple frequencies. That means an 80 meter antenna will work on 20 meters and a 40 meter antenna will work on 10 meters. I say work but understand multiplying bye 3 doesn't always mean the multiplied frequency is where you plan to operate. So if you are using coax, the SWR might be getting high again due to the fact you are not operating exactly at x3 the frequency of the cut antenna. Coax doesn't like high SWR, so the feedline could be becoming lossy again. Feed with open wire line using a matching device would solve this problem. Now, since using an 80 meter antenna on 20 would mean a longer then normal dipole, you would have more lobes and your signal would be stronger in some directions and weaker in others based on the lobe pattern.

Lee, w0vt

----- Original Message -----

From: "'L L bahr ' pulsarxp@... [ham-antennas]" <ham-antennas@...m>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 27, 2014 5:12:37 PM
Subject: Re: AW: [ham-antennas] Conservation of Energy Re: Antenna question

That is exactly what is happening, Al. There is no free lunch. There is no extra power being generated. you are just focusing it like a flashlight beam. There is no extra power. In the case of long antennas which are resonant or non resonant, the lobes produced are different then for say a half wave dipole. Your signal using a longer antenna will thus be stronger in some directions and weaker then in others. The longer the antenna, the more lobes will be produced so you will have more null and peak nodes.

When you are using coax which is lossy when a high SWR is present, it is terrible to use say an 80 meter antenna on 40 meters or a 40 meter dipole on 20 meters. This is because you would be feeding the antenna center point at the high voltage point of the waveform and not at the current portion of the waveform. If you try and install a balun at this feedpoint you will have very high voltages present at the balun. The balun material is easily forever altered into something lossy put under these conditions.

Lee, w0vt

Once again, I'm trying to understand.

If an antenna has more "gain", doesn't that just mean that it focuses more energy in some particular direction (at the expense of less energy emitted in other directions)?

If your 50 meter antenna is actually emitting more RF than your 40 meter antenna, where is that additional energy coming from?

Thanks,

KM4BYJ (new ham)

34150. Re: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 22:24:37 UTC
From: L L bahr
Topic: 34134 Message: 34150

You mean a half wave would be resonant. That is true. So a half wave antenna for 80 would be 40 meters long not taking into affect capacitive loading from ground. (An antenna in FREE SPACE.)

Lee, w0vt

Ok ...

Resonant antenna for 80m would be 40m ... right??

34151. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 23:03:00 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34151

On 27 Sep 2014 at 15:17, Joe k1ike_mail@... [ham-antennas] wrote:

> In theory,

WHOSE theory? Please point us towards a published source of this information.

> I believe that a non resonant antenna would have to be less
> efficient than a resonant antenna.

Not true. "Efficiency" and "resonance" are not related in any way that I know of.

> Consider an antenna that is
> presenting a 10:1VSWR to an antenna tuner. That would be 70 watts
> reflected for 100 watts forward power.

No. That is about 30 watts.

> (10:1 is not unreasonable to
> expect from some non resonant antennas).

10:1 SWR at what impedance?

> That reflected power takes a
> trip back down the coax, thru the tuner and back up multiple times
> (infinity in theory). All that equates to loss to the eventual radiated
> signal.

Only if the feedline is such that it can absorb power: such as coax which is operated at other than its characteristic impedance. That problem doesn't exist with open-wire line....at least not to a measurably worthwhile extent.

FYI, in at least one instance I know if, an antenna on a satellite exhibited a 9:1 SWR yet was 98% efficient. To repeat, resonance and efficiency are not related in any way that I am aware of.

> That reflected signal may also be out of phase with the other
> signals being radiated. The power would be radiated, but it may not add
> to each other.

Not true, if it is radiated from the same antenna. "Reflected" from the source (transmitter) is NOT the same as "reflected" from a parasitic element.

Ken Gordon W7EKB
58 years as a ham.

34152. AW: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 23:40:07 UTC
From: siegfried jackstien
Topic: 34134 Message: 34152

I did no0t mean EXACT 40m ... that depends on height over ground, diameter of the wire etc etc ... it was just a rough calculation

If it has to be 40 or 41 or 42 m ... does not count here

I just wanted to show thzat a non resonant antenna (50m) can have more gain then a "normal" halfwave

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 27. September 2014 22:25
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Conservation of Energy Re: Antenna
> question
>
>
>
> You mean a half wave would be resonant. That is true. So a half wave
> antenna for 80 would be 40 meters long not taking into affect capacitive
> loading from ground. (An antenna in FREE SPACE.)
>
>
>
> Lee, w0vt
>
>
>
>
>
> Ok ...
>
> Resonant antenna for 80m would be 40m ... right??
>
>
>
>

34153. AW: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-27 23:42:00 UTC
From: siegfried jackstien
Topic: 34134 Message: 34153

```
>
> Once again, I'm trying to understand.
>
> If an antenna has more "gain", doesn't that just mean that it focuses more
> energy in some particular direction (at the expense of less energy emitted
> in other directions)?
>
>
> If your 50 meter antenna is actually emitting more RF than your 40 meter
> antenna, where is that additional energy coming from?
>
```

The longer antenna concentrates the energy in a smaller lobe

The sum of energy is the same ... just squeezed in a smaller beam

Dg9bfc

Sigi

34154. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 00:12:08 UTC
From: glene77is@...
Topic: 34134 Message: 34154

Al Bonnyman, KM4BY

" So my question – if you match stuff up,
why would a non-resonant antenna emit less RF than a resonant antenna? "

To respond to a really good question,
Sounds right. 'They are Not Related Ideas', I would say along with you.
My own antenna example should lend support to your proposition
since I use a Non-Resonant Long-Wire, 225' long, for 40M and 20M.
There is a good current lobe somewhere along that line.
When I switch to 12 foot test antennas, tuned with an Ant Tuner,
I get much poorer SWR and much poorer RST.

I am sure that someone will offer up that a 10:1 SWR can be OK
somewhere and sometime, as far as radiated power is concerned
... but a math proof of that is beyond me.

Employing the Conservation of Energy here may get us off the track.

Agreed, 'CoE' is a real Law, but I don't think that helps here.

IMO,. I would say that the 'same' energy
is building up a magnetic field in the loading coil,
instead of the antenna line.
...

I would say that this is just another RF tuned circuit,
like the Pi-Network we use in Transmitter tuned tanks to couple to the Antenna.
...
Building Magnetic flux in the loading coil (like a RF tuning tank) ? Yep !
Heating up the ground and the wire? Yep !

Trying to run back down the coax shield ? Yep !
Forcing me to use a Current Balun ? Yep !
Conserved Energy ? Yep !

It is far easier to cut a wire to resonance or maybe tune one to apparent resonance
then it is to measure and describe what the mysteries of non-resonant activity are.
...
I find myself in the dark when it comes to what Really happens at Non-Resonance.
I can measure resonance in my audio CW filter circuit designs,
along a " I squared " exponential curve,
but when things get out of resonance , they just don't work good.

I imagine that we are using somewhat different perspectives and wording.
Would like to hear more from you in these forums.

Stay with your thoughts,
and you will go a long way to understanding antenna theory and application.
That is what I am trying to do, nothing else.

glene77is KK4LPG

---In ham-antennas@yahoogroups.com, <aabonnyman@...> wrote :

Glen,

...
I've been trying to understand what's going on.
...
So my question – if you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?
...
RF's gotta go somewhere.
...
Al Bonnyman, KM4BYJ (2014)

34155. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 00:20:08 UTC
From: glene77is@...
Topic: 34134 Message: 34155

Ken Gordon W7EKB
I am with you about 10:1 SWR being hardly any good thing.

It burned up my 807s in my old ARC-5 back in '58.
So, I tried to learn about how to obtain a 1:1
to get things 'apparently' resonating.
I am in the dark about what happens at Non-Resonance.
I design for Resonance, because I can run equations and SPICE
to show the predicted results... particularly at Resonsance.

This 10:1 SWR example is hard to deal with
... throws too much up in the air for a good discussion.
Maybe he needs a little more reference to some theory.

glene77is KK4LPG

34156. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 00:23:32 UTC
From: glene77is@...
Topic: 34134 Message: 34156

Dg9bfc
Sigi

Welcome to the discussion.
It runs counter to the Antenna Theory in the ARRL books.

If your proposal worked,
then some antenna maker would already have one on the market,
and antenna theory would already have been revised.

Good to hear your thoughts.
glene77is KK4LPG

34157. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 00:28:08 UTC
From: glene77is@...
Topic: 34134 Message: 34157

To KM4BYJ (new ham)

You should re-read several times what these techy hams have written for you :
L L bahr and Lee, w0vt

I think they are steering you right.

Got to get back to my project now. bye

glene77is KK4LPG

34158. Re: [ham-antennas] Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 01:08:55 UTC
From: L L bahr
Topic: 34134 Message: 34158

Have you read anything I wrote?

1. Use coax feed line if the SWR is low if that is your feed l ine of choice.
2. Match the antenna impeda nce to the coax at the antenna feed point. (The only thing I would use here is a coax current choke balun and NEVER a voltage balun as it will have it's properties forever altered due to high voltage which it can't tolerate.)
or
3. Use open wire feed line as it is near lossless unlike coax with a High SWR if you plan to operate the antenna with a high SWR..
4. If you use open wire line, couple it to an impedance matching transformer which many call an 'Antenna Tuner." The tuner should be a true balanced tuner and not an unbalanced one altered with a balun especially if the balun is in the high output side of the tuner.

If you do this, the radio will be happy because it sees 50 ohms. Your power transfer to the antenna will be high because you are using next to no loss open wire line. There is no balun to get burned up and all is well!!!! Everything and everybody is happy. You can go to another frequency and accomplish the same thing by altering the tuner parameters .
You are not locked into a narrow bandwidth. Now, if your tuner is truly balanced, the currents in each wire of the open wire line will cancel each other out and there will be NO RADIATION from the feed line. I'll say it again, THERE WILL BE NO RADIATING OFF OF THE FEEDLINE ! (In reality there might be some radiation from the feed line as the tuner may not actually be balanced nor the antenna either.)

Operating an antenna with coax hooked to an antenna through a voltage balun either at the antenna feed point or at the high voltage end of the tuner is BAD! The voltage balun will have it's magnetic properties forever altered because the core will heat up due to the voltage present. Voltage baluns do no like a high SWR because it heats them up. This will make it lossy. If it gets hot, it's on its way to being destroyed. Coax choke baluns on the other hand don't have this permanent saturation problem. One of the problems with a coax choke balun is the amount of turns required is somewhat frequency specific. (Too many turns can lower efficiency just as too few turns can lower effectiveness.)

This is not magic nor is there any free lunch here. Anything done is at a cost in one form or another. There is no one answer for any problem. Each solution has it's benefits or hindrances. However, there is a best solution for any one set of givens. For example, if you are going to operate just over a few kilohertz, you can then tune the antenna to your center frequency and have a low SWR to your coax and every thing is happy and works just fine. However, you want to operate multiple bands and over a very wide range of frequencies, then a low loss feed line would be better such as open wire line. How much power you are going to run is a decision factor too. If you are running QRP, saturating a core is not much of a factor. Running a 2 KW linear makes this an important factor in what you do and use. I hate G5RV antennas as they work kind of OK on a few bands. Yes there is something better, but it takes better feed line and or more equipment such as a good tuner over none at all or just the use of the limited tuner built in one of the modern rigs.
Tuners cost money. Just remember a tuner at the rig end just keeps the radio happy. If

the feed line is lossy at high SWR, then you efficiency will be reduced because you are not adequately coupling and transferring the power to the antenna. Some of it will go up in heat on the feed l ine or be radiated on the feed line rather then on the antenna. (Sometimes antennas are designed to just this, do some radiating from the feed l ine on some frequencies rather then by the flat top antenna wire.)

I could go on and on, but enough for now. (I could have brought up the cost of tuners, cost of remote antenna matching devices fixed and variable, etc.) I'm worn out!

Lee, w0vt

----- Original Message -----

From: "glene77is@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 27, 2014 7:20:08 PM
Subject: [ham-antennas] Re: Antenna question

Ken Gordon W7EKB

I am with you about 10:1 SWR being hardly any good thing.

It burned up my 807s in my old ARC-5 back in '58.
So, I tried to learn about how to obtain a 1:1
to get things 'apparently' resonating.
I am in the dark about what happens at Non-Resonance.
I design for Resonance, because I can run equations and SPICE
to show the predicted results... particularly at Resonsance.

This 10:1 SWR example is hard to deal with
... throws too much up in the air for a good discussion.
Maybe he needs a little more reference to some theory.

glene77is KK4LPG

34159. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 01:18:33 UTC
From: Joe
Topic: 34134 Message: 34159

RSGB manual states that:

Efficiency= Power Radiated divided by Power Supplied

If power is reflected back due to VSWR (in the case of a non resonant antenna) it is not being radiated as well as a resonant antenna. This will show up as a less efficient antenna. Granted, it will still work fine in many cases, but technically it will be less efficient.

This thread has gone way off subject. The original question was:

"So my question ? if you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?"

This is the only question I was answering. I still say that, due to ohmic losses and reflected power, the non-resonant antenna will emit less RF. It may be a very small difference, but it will be less.

I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet

https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls

Enter Forward Power 100.00 Watts
Enter Reflected Power 66.95 Watts
Calculates VSWR 10.00
Calculates Return Loss -1.74 dB
Calculates Match Efficiency 33.05 %
Calculates Rho 0.82

73, Joe, K1ike

On 9/27/2014 7:03 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> On 27 Sep 2014 at 15:17, Joe k1ike_mail@... [ham-antennas] wrote:
>
> > In theory,
>
> WHOSE theory? Please point us towards a published source of this
> information.
>

34160. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 02:06:29 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34160

On 27 Sep 2014 at 21:18, Joe k1ike_mail@... [ham-antennas] wrote:

> RSGB manual states that:
>
> Efficiency= Power Radiated divided by Power Supplied

Sure....funny....I don't see any parameter labled "resonance"...

>
> If power is reflected back due to VSWR (in the case of a non resonant
> antenna)

VSWR has absolutely NOTHING to do with resonance or non-resonance: it
has solely to do with impedance matching. Period.

> it is not being radiated as well as a resonant antenna. This
> will show up as a less efficient antenna. Granted, it will still work
> fine in many cases, but technically it will be less efficient.
>
> This thread has gone way off subject. The original question was:
>
> "So my question - if you match stuff up, why would a non-resonant
> antenna emit less RF than a resonant antenna?"

The answer: It wouldn't.

> This is the only question I was answering. I still say that, due to
> ohmic losses and reflected power, the non-resonant antenna will emit
> less RF.

You are combining too many factors: 1) ohmic losses, 2) reflected power, 3)
non-resonant antenna, 4) RF and a few others which you have only implied
by these such as 5) resonant antennas (by inference from your
"non-resonant antennas") etc..

> It may be a very small difference, but it will be less.

It will not. In point of fact, a non-resonant antenna fed using a properly
matched balanced coupler will exhibit more RF emitted than a resonant
antenna with no or poorly matched feedline.

> I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
>
> https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls
>
> Enter Forward Power 100.00 Watts
> Enter Reflected Power 66.95 Watts
> Calculates VSWR 10.00

> Calculates Return Loss -1.74 dB
> Calculates Match Efficiency 33.05 %
> Calculates Rho 0.82

You are using that spreadsheet incorrectly. There is not one item in it that refers to resonance or non-resonance. It deals solely with MATCHING impedances and what happens when you DON'T match impedances.

Let's examine your question, again, exactly as you;ve asked it.

"If you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?"

My (and others') simple reply to that question is: It wouldn't.

Lets take your question apart, examining the ideas inherent in each statement:

1) "If you match stuff up..." This implies several things, among them that you A) Know the impedance of the antenna in question, B) you have matched the impedance of that antenna to the impedance of the feedline, i.e., if the antenna exhibits a 50 ohm impedance, you are feeding it with a 50 ohm feedline (probably RG-8) C) at the transmitter end you are driving that 50 ohm feedline with a 50 ohm output or some sort of electronic unit which changes the output impedance of the amplifier tube or transistor to the impedance of the feedline. D) that due to "...matching stuff up..." there is no loss in the feedline. E) Therefore, every bit of power applied at the transmitter end of the feedline gets to the antenna. F) this implies that all that power will be radiated by the antenna. After all, it has to go somewhere, and there is no loss in the feedline....right?

Hmmm....interesting....so far, there is no mention of resonance...

2) Then you include: "...why would a non-resonant antenna emit less RF than a resonant antenna?"

Can you see that the first statement has zero relationship to this second one?

I repeat: whether an antenna is resonant or not has zero to do with how much RF it emits.

Ken W7EKB

34161. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 02:21:50 UTC
From: L L bahr
Topic: 34134 Message: 34161

True, it will theoretically radiate less, but so much less it would almost be impossible to measure and it certainly would not affect performance. I for one will accept an almost undetectable loss that nobody can distinguish for the ability to operate wherever I want and not be limited to a narrow bandwidth of frequencies. For me, this is a good solution.

This reminds me of the time I was on a reflector talking about building a solid state fun hobby 186 kHz 1 watt experimental band transmitter. Mind you this project was a hobby project! A guy came back to me very seriously and said, "Why don't you build a tube transmitter. Don't you realize in an atomic blast your solid transmitter would most likely fail?" As if I would give a damn about my 1 watt hobby transmitter if an Atomic Bomb went off in my area! What a ridiculous comment.

As for the gest of the topic, I think the poster was interested in the real world. If you want to talk about efficiency, NOTHING is 100% efficient. If you look at all the other alternatives to his question, they too all include inefficiencies!. In my proposal the losses would almost be immeasurable.

I'd like to hear from the poster if he thinks all this chatter is off topic! I see no correlation of the topic to your Tessco's Calculator. In our subject the return loss in the feed line varies with the type feed line used. It is not constant. (Two different feed lines with the same imposed SWR with the same output power will have different power losses.) That calculator appears to be for a particular coax and not for open wire line. No decent open wire line at 100 feet have losses as you show. Most loss figures are shown for 100 foot lengths. dB loss with no length shown is meaningless.
Lee, w0vt

----- Original Message -----
From: "Joe k1ike_mail@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, September 27, 2014 8:18:33 PM
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

RSGB manual states that:

Efficiency= Power Radiated divided by Power Supplied

If power is reflected back due to VSWR (in the case of a non resonant antenna) it is not being radiated as well as a resonant antenna. This will show up as a less efficient antenna. Granted, it will still work fine in many cases, but technically it will be less efficient.

This thread has gone way off subject. The original question was:

"So my question – if you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?"

This is the only question I was answering. I still say that, due to ohmic losses and reflected power, the non-resonant antenna will emit less RF. It may be a very small difference, but it will be less.

I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet

https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls

Enter Forward Power 100.00 Watts
Enter Reflected Power 66.95 Watts
Calculates VSWR 10.00
Calculates Return Loss -1.74 dB
Calculates Match Efficiency 33.05 %
Calculates Rho 0.82

73, Joe, K1ike

On 9/27/2014 7:03 PM, 'Kenneth G. Gordon' kgordon2006@frontier.com [ham-antennas] wrote:
>
> On 27 Sep 2014 at 15:17, Joe k1ike_mail@... [ham-antennas] wrote:
>
> > In theory,
>
> WHOSE theory? Please point us towards a published source of this
> information.
>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
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Yahoo Groups Links

34162. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 02:33:29 UTC
From: Al Bonnyman
Topic: 34134 Message: 34162

I'm reading and learning from all the arguing back and forth. I'm not sure it's changed my basic thinking its clarified it but I'm getting a more nuanced view of "resonance", "efficiency", etc.

KM4BYJ

> On Sep 27, 2014, at 22:21, 'L L bahr ' pulsarxp@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I'd like to hear from the poster if he thinks all this chatter is off topic!

34163. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 02:51:14 UTC
From: L L bahr
Topic: 34134 Message: 34163

I think what he is suggesting is since the signal imposed on a line with a high SWR has to go up and down the line many times, it theoretically has to have extra copper losses going up and down many times VS going up just once when you have a 1:1 SWR. So yes, MAYBE that is true but insignificant if adequate sized wire is used in a highly efficient feed line. The difference is so small you can hardly measure it and certainly not detect it at a receiving site remote from the transmitter.

However, w hen you have a high SWR that usually means the signal is at high voltage rather then at high current for a given power level. Using ohm's law, losses are less through a wire when a given amount of power is at high voltage rather then at low voltage and higher current. That means in a near loss less open wire line a signal with a given power with high voltage actually gives you less copper loss per 100 foot then a signal with the same power but with low voltage and higher current flowing on it. Thus copper losses in a high SWR condition on a low loss feed line may actually produce less copper loss then if the SWR on the line were lower when the current flowing were higher and the voltage present being lower. (In a low SWR condition the copper losses would be greater per pass but only go up the line once. In a high SWR condition, the copper losses would be multiplied by the number o f significant passes but the copp er losses per pass c ould be less.) In short, I don't think the number of times the signal goes up and down the line makes much difference if any in actual practical efficiency.

Lee, w0vt

PS: I'm done now. I am sure this is boring to many. You are all Chief Engineers of your own stations. Pick out for you stations what you think is best for you. I'm going back to designing an Atomic Bom b Proo f 186 kHz Hobby transmitter!

----- Original Message -----

From: "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "Joe k1ike_mail@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: Saturday, September 27, 2014 9:06:29 PM
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

On 27 Sep 2014 at 21:18, Joe k1ike_mail@... [ham-antennas] wrote:

> RSGB manual states that:
>
> Efficiency= Power Radiated divided by Power Supplied

Sure....funny....I don't see any parameter labled "resonance"...

>
> If power is reflected back due to VSWR (in the case of a non resonant
> antenna)

VSWR has absolutely NOTHING to do with resonance or non-resonance: it has solely to do with impedance matching. Period.

> it is not being radiated as well as a resonant antenna. This
> will show up as a less efficient antenna. Granted, it will still work
> fine in many cases, but technically it will be less efficient.
>
> This thread has gone way off subject. The original question was:
>
> "So my question - if you match stuff up, why would a non-resonant
> antenna emit less RF than a resonant antenna?"

The answer: It wouldn't.

> This is the only question I was answering. I still say that, due to
> ohmic losses and reflected power, the non-resonant antenna will emit
> less RF.

You are combining too many factors: 1) ohmic losses, 2) reflected power, 3) non-resonant antenna, 4) RF and a few others which you have only implied by these such as 5) resonant antennas (by inference from your "non-resonant antennas") etc..

> It may be a very small difference, but it will be less.

It will not. In point of fact, a non-resonant antenna fed using a properly matched balanced coupler will exhibit more RF emitted than a resonant antenna with no or poorly matched feedline.

> I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
>
> https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls
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> Enter Forward Power 100.00 Watts
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> Calculates VSWR 10.00
> Calculates Return Loss -1.74 dB
> Calculates Match Efficiency 33.05 %
> Calculates Rho 0.82

You are using that spreadsheet incorrectly. There is not one item in it that refers to resonance or non-resonance. It deals solely with MATCHING impedances and what happens when you DON'T match impedances.

Let's examine your question, again, exactly as you;ve asked it.

"If you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?"

My (and others') simple reply to that question is: It wouldn't.

Lets take your question apart, examining the ideas inherent in each statement:

1) "If you match stuff up..." This implies several things, among them that you A) Know the impedance of the antenna in question, B) you have matched the impedance of that antenna to the impedance of the feedline, i.e., if the antenna exhibits a 50 ohm impedance, you are feeding it with a 50 ohm feedline (probably RG-8) C) at the transmitter end you are driving that 50 ohm feedline with a 50 ohm output or some sort of electronic unit which changes the output impedance of the amplifier tube or transistor to the impedance of the feedline. D) that due to "...matching stuff up..." there is no loss in the feedline. E) Therefore, every bit of power applied at the transmitter end of the feedline gets to the antenna. F) this implies that all that power will be radiated by the antenna. After all, it has to go somewhere, and there is no loss in the feedline....right?

Hmmm....interesting....so far, there is no mention of resonance...

2) Then you include: "...why would a non-resonant antenna emit less RF than a resonant antenna?"

Can you see that the first statement has zero relationship to this second one?

I repeat: whether an antenna is resonant or not has zero to do with how much RF it emits.

Ken W7EKB

34164. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:08:18 UTC
From: David Gillooly
Topic: 34134 Message: 34164

Line loss for coax is specified as so many dB's per 100 feet (maybe meters) into a matched load. If you know the SWR at the transmitter end then the total line loss can be calculated (Line loss with matched load plus loss caused by higher SWR).

If you have a very long transmission line then losses can add up. Say a 80 foot tower and an additional 100 feet of coax to the shack. If your working QRP with 25 feet of coax it isn't an issue.

Another source of information is here:
http://www.k6mhe.com/files/Reflect_rev1.pdf

David Gillooly

On Sat, Sep 27, 2014 at 7:51 PM, 'L L bahr ' pulsarxp@embarqmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I think what he is suggesting is since the signal imposed on a line with a
> high SWR has to go up and down the line many times, it theoretically has to
> have extra copper losses going up and down many times VS going up just once
> when you have a 1:1 SWR. So yes, MAYBE that is true but insignificant if
> adequate sized wire is used in a highly efficient feed line. The
> difference is so small you can hardly measure it and certainly not detect
> it at a receiving site remote from the transmitter.
>
>
>
> However, when you have a high SWR that usually means the signal is at high
> voltage rather then at high current for a given power level. Using ohm's
> law, losses are less through a wire when a given amount of power is at high
> voltage rather then at low voltage and higher current. That means in a
> near loss less open wire line a signal with a given power with high voltage
> actually gives you less copper loss per 100 foot then a signal with the
> same power but with low voltage and higher current flowing on it. Thus
> copper losses in a high SWR condition on a low loss feed line may actually
> produce less copper loss then if the SWR on the line were lower when the
> current flowing were higher and the voltage present being lower. (In a low
> SWR condition the copper losses would be greater per pass but only go up
> the line once. In a high SWR condition, the copper losses would be
> multiplied by the number of significant passes but the copper losses per
> pass could be less.) In short, I don't think the number of times the
> signal goes up and down the line makes much difference if any in actual
> practical efficiency.
>

>
>
> Lee, w0vt
>
>
>
> PS: I'm done now. I am sure this is boring to many. You are all Chief
> Engineers of your own stations. Pick out for you stations what you think
> is best for you. I'm going back to designing an Atomic Bomb Proof 186 kHz
> Hobby transmitter!
>
> ----------
>
> *From: *"'Kenneth G. Gordon' kgordon2006@frontier.com [ham-antennas]" <
> ham-antennas@yahoogroups.com>
> *To: *"Joe k1ike_mail@... [ham-antennas]" <
> ham-antennas@yahoogroups.com>
> *Sent: *Saturday, September 27, 2014 9:06:29 PM
> *Subject: *Re: [ham-antennas] Conservation of Energy Re: Antenna question
>
>
>
> On 27 Sep 2014 at 21:18, Joe k1ike_mail@... [ham-antennas] wrote:
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>
> > RSGB manual states that:
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> > Efficiency= Power Radiated divided by Power Supplied
>
> Sure....funny....I don't see any parameter labled "resonance"...
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> >
> > If power is reflected back due to VSWR (in the case of a non resonant
> > antenna)
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> VSWR has absolutely NOTHING to do with resonance or non-resonance: it
> has solely to do with impedance matching. Period.
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> > will show up as a less efficient antenna. Granted, it will still work
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> >
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> > This is the only question I was answering. I still say that, due to

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> by these such as 5) resonant antennas (by inference from your
> "non-resonant antennas") etc..
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> It will not. In point of fact, a non-resonant antenna fed using a properly
> matched balanced coupler will exhibit more RF emitted than a resonant
> antenna with no or poorly matched feedline.
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> > I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
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> > https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls
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> > Enter Forward Power 100.00 Watts
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> Let's examine your question, again, exactly as you;ve asked it.
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> Lets take your question apart, examining the ideas inherent in each
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> feedline (probably RG-8) C) at the transmitter end you are driving that 50
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> changes the output impedance of the amplifier tube or transistor to the
> impedance of the feedline. D) that due to "...matching stuff up..." there

> is no
> loss in the feedline. E) Therefore, every bit of power applied at the
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> all that
> power will be radiated by the antenna. After all, it has to go somewhere,
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> there is no loss in the feedline....right?
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> Hmmm....interesting....so far, there is no mention of resonance...
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> 2) Then you include: "...why would a non-resonant antenna emit less RF
> than a resonant antenna?"
>
> Can you see that the first statement has zero relationship to this second
> one?
>
> I repeat: whether an antenna is resonant or not has zero to do with how
> much RF it emits.
>
> Ken W7EKB
>
>
>
>

34165. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:25:00 UTC
From: Don Sanders
Topic: 34134 Message: 34165

Joe , that is nearly true except the 33 watts is probably not all lost but sent back to the antenna in a well matched system. Small loss in the feedline going up initially, reflected back, and again reflected back to antenna. This repeats many times but each time a bit if the signal is radiated.
The actual loss is dependent on the feedline type and the mismatch.
Many calculators are simplified and are thus a bit inacurate.
Maxwell covered this very well in his book "Reflections".

Dr. Don W4BWS

On Sat, Sep 27, 2014 at 8:18 PM, Joe k1ike_mail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

> RSGB manual states that:
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> Efficiency= Power Radiated divided by Power Supplied
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> Enter Forward Power 100.00 Watts
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> Calculates VSWR 10.00
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> Calculates Rho 0.82
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>
>
>

> 73, Joe, K1ike
>
> On 9/27/2014 7:03 PM, 'Kenneth G. Gordon' kgordon2006@...
> [ham-antennas] wrote:
> >
> > On 27 Sep 2014 at 15:17, Joe k1ike_mail@snet.net [ham-antennas] wrote:
> >
> > > In theory,
> >
> > WHOSE theory? Please point us towards a published source of this
> > information.
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34166. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:26:35 UTC
From: K1IKE-MAIL
Topic: 34134 Message: 34166

True, we agree. The loss in the wire may be considered to be insignificant, but what about the devices we use to obtain a match? Baluns, toroids, coils, etc all can get warm or sometimes very hot. This burns up power as heat that is not radiated by the antenna, therefore reducing antenna efficiency. Ask a DXer who has burnt up one of these devices, they can dissipate lots of RF power.

People, I am only referring to antenna efficiency, as defined in the RGSB handbook. This doesn't factor in radiation pattern, etc. It only calculates the ability to transfer power to the air, not how well the antenna performs. I didn't write the calculation, so please don't shoot the messenger.

73, Joe K1ike

> On Sep 27, 2014, at 22:51, 'L L bahr ' pulsarxp@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I think what he is suggesting is since the signal imposed on a line with a high SWR has to go up and down the line many times, it theoretically has to have extra copper losses going up and down many times VS going up just once when you have a 1:1 SWR. So yes, MAYBE that is true but insignificant if adequate sized wire is used in a highly efficient feed line. The difference is so small you can hardly measure it and certainly not detect it at a receiving site remote from the transmitter.
>
>
>
>

34167. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:34:16 UTC
From: K1IKE-MAIL
Topic: 34134 Message: 34167

True, we agree. But what about the losses in the matching devices I stated in my previous email? The original question asked about efficiency, not how much efficiency. Whenever power is lost efficiency goes down. Maybe just a little, maybe a lot.

Joe

> On Sep 27, 2014, at 23:25, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Joe , that is nearly true except the 33 watts is probably not all lost but sent back to the antenna in a well matched system. Small loss in the feedline going up initially, reflected back, and again reflected back to antenna. This repeats many times but each time a bit if the signal is radiated.
> The actual loss is dependent on the feedline type and the mismatch.
> Many calculators are simplified and are thus a bit inacurate.
> Maxwell covered this very well in his book "Reflections".
>
> Dr. Don W4BWS
>
>> On Sat, Sep 27, 2014 at 8:18 PM, Joe k1ike_mail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>> RSGB manual states that:
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>> Efficiency= Power Radiated divided by Power Supplied
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>> antenna) it is not being radiated as well as a resonant antenna. This
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>> This thread has gone way off subject. The original question was:
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>> "So my question – if you match stuff up, why would a non-resonant
>> antenna emit less RF than a resonant antenna?"
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>> This is the only question I was answering. I still say that, due to
>> ohmic losses and reflected power, the non-resonant antenna will emit
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>> I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
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>> On 9/27/2014 7:03 PM, 'Kenneth G. Gordon' kgordon2006@...
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>> List owner: ham-antennas-owner@yahoogroups.com
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>

34168. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:51:17 UTC
From: L L bahr
Topic: 34134 Message: 34168

I think all this was mentioned and covered, Joe. I've mentioned ferrite voltage baluns at the feed point of the antenna as well as their short comings. I've mentioned the losses connected with making an unbalanced tuner a balanced tuner using a ferrite baluns and the need to use a real balanced antenna tuner when using open wire line. I think I mentioned antennas with loading coils present losses and restrict bandwi dth. I think radiation patter ns are another topic. but they were slightly covered too. In short, for high efficiency, use low loss line or keep the SWR down as much as possible if coax is used on the coax. SWR can mean nothing when using open wire line properly. Don't use voltage baluns in high voltage or high SWR conditions, don't use loading devices unless you can live with narrow bandwidths and have no other alternatives, and also I mentioned heat loss due to mismatch not only creates loss but permanently alters properties of ferrite. How were these things not covered? What is important to me is how to get as much power fed and transferred into the expected radiating surface from the transmitter with the methods to do so at my disposal and budget.

Lee, w0vt

"True, we agree. The loss in the wire may be considered to be insignificant, but what about the devices we use to obtain a match? Baluns, toroids, coils, etc all can get warm or sometimes very hot. This burns up power as heat that is not radiated by the antenna, therefore reducing antenna efficiency. Ask a DXer who has burnt up one of these devices, they can dissipate lots of RF power.

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73, Joe K1ike

On Sep 27, 2014, at 22:51, 'L L bahr ' pulsarxp@... [ham-antennas] < ham-antennas@yahoogroups.com > wrote:

I think what he is suggesting is since the signal imposed on a line with a high SWR has to go up and down the line many times, it theoretically has to have extra copper losses going up and down many times VS going up just once when you have a 1:1 SWR. So yes, MAYBE that is true but insignificant if adequate sized wire is used in a highly efficient feed line. The difference is so small you can hardly measure it and certainly not detect it at a receiving site remote from the transmitter.

34169. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 03:53:58 UTC
From: L L bahr
Topic: 34134 Message: 34169

Wow, I give up!

Lee, w0vt

True, we agree. But what about the losses in the matching devices I stated in my previous email? The original question asked about efficiency, not how much efficiency. Whenever power is lost efficiency goes down. Maybe just a little, maybe a lot.

Joe

34170. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 04:04:32 UTC
From: David Gillooly
Topic: 34134 Message: 34170

Correct and the loss depends on the length of the transmission line too.

David Gillooly

On Sat, Sep 27, 2014 at 8:25 PM, Don Sanders w4bws1@gmail.com
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Joe , that is nearly true except the 33 watts is probably not all lost but
> sent back to the antenna in a well matched system. Small loss in the
> feedline going up initially, reflected back, and again reflected back to
> antenna. This repeats many times but each time a bit if the signal is
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> On Sat, Sep 27, 2014 at 8:18 PM, Joe k1ike_mail@... [ham-antennas] <
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>> I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
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>>
>> Enter Forward Power 100.00 Watts

>> Enter Reflected Power 66.95 Watts
>> Calculates VSWR 10.00
>> Calculates Return Loss -1.74 dB
>> Calculates Match Efficiency 33.05 %
>> Calculates Rho 0.82
>>
>>
>>
>>
>> 73, Joe, K1ike
>>
>> On 9/27/2014 7:03 PM, 'Kenneth G. Gordon' kgordon2006@...
>> [ham-antennas] wrote:
>> >
>> > On 27 Sep 2014 at 15:17, Joe k1ike_mail@... [ham-antennas] wrote:
>> >
>> > > In theory,
>> >
>> > WHOSE theory? Please point us towards a published source of this
>> > information.
>> >
>>
>>
>>
>> ---
>>
>> ---
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
>> go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be
>> cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
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34171. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 04:15:34 UTC
From: L L bahr
Topic: 34134 Message: 34171

Antenna tuners or better described matching devices all have their good and bad points. They range greatly in what they can do and in cost. Their efficiencies very greatly too . Studies have shown the old Johnson Matchboxes get about as good as you can expect at around 90% efficient. The frequency used for the test affects efficiency of the tuner too. How versatile and how much power they can handle also affects performance. Most tuners sold today are actually unbalanced tuners and when used for balance applications have a toroid balun placed at either the input or output end of the tuner. Placing a ferrite balun at the output end is a bad thing as it sees high voltage and ferrite baluns are bad news under this condition unless we are talking about low signals or QRP. (The properties of the ferrite change as they heat up due to high SWR.) Since the topic was efficiency I've been stressing the use of open wire line for antennas to be used over entire bands rather then one specific frequency. To use such line, you need to have a real balanced tuner for efficiency sake. That means a balanced tuner without the use of a ferrite balun . If the balun is at the output of the tuner it is easily saturated and forever destroyed. Then if it is placed at the input, it is almost impossible to have a true really balanced condition on the balun's output. Since this is almost a certainty, the current flow going up and down the ladder line will not be equal, this means the feed line will do some radiating. (Sometimes this is what you want but in most cases this is not what you want to happen.) If you have open wire coming into the shack and the current is not balanced, the radiation can get into TVs, stereos and telephones. Thus you want a good balanced tuner of good design without the use of baluns and you want the tuning to be indeed balanced. The best bang for the buck is an old Johnson Matchbox but they don't cover the WARC bands or 160 meters unless altered. Otherwise you really have to build from scratch a good balanced tuner. (The MFJ balanced tuner doesn't have a lot of range.)

Lee, w0vt

Joe , that is nearly true except the 33 watts is probably not all lost but sent back to the antenna in a well matched system. Small loss in the feedline going up initially, reflected back, and again reflected back to antenna. This repeats many times but each time a bit if the signal is radiated.
The actual loss is dependent on the feedline type and the mismatch.
Many calculators are simplified and are thus a bit inacurate.
Maxwell covered this very well in his book "Reflections".

Dr. Don W4BWS

34172. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 04:32:27 UTC
From: Original Woodchuck
Topic: 34134 Message: 34172

On Sat, Sep 27, 2014 at 10:33:29PM -0400, Al Bonnyman aabonnyman@... [ham-antennas] wrote:
> I'm reading and learning from all the arguing back and forth. I'm not sure it's changed my basic thinking its clarified it but I'm getting a more nuanced view of "resonance", "efficiency", etc.
>
> KM4BYJ

If you want some cast-iron nuances, I recommend "Reflections III" by Walt Maxwell W2DU(SK). (Don't bother with I and II, those are editions, not volume numbers.) It can be obtained at:

http://store.cq-amateur-radio.com/Detail.bok?no=183

Forty clams (about a bag of groceries in this troubled age) won't kill you. I survived, and I live on SS. You might find a used copy. Hams are killed by other things (not books), then their widows sell their stuff. (Or sometimes, I hear, destroy it out of spite.) For a laugh, look it up on Amazon.

Problem with this book is that there are those who doubt him. Not being a MSEE, I have no (credentialed) opinion. W2DU's resume, however, is impressive. Warning #1, Walt is "out of print", and CQ Mag might fold any day. (They're on our side, and could use the business.) Warning #2, the book may have "math" and (heaven forfend!) the dreaded Smith charts. Warning #3, CQ also sells Sevick's stuff about baluns. Yet another controversial book by an SK, W2FMT in this case.

This topic, transmission lines, is about as on-topic as it can get.

Dave AB3NR

34173. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 04:52:37 UTC
From: Myron WVØH
Topic: 34134 Message: 34173

Now there's a thought...a good understanding and usage of the Smith Chart will go a very long way towards knowledge that no one can take away from you. Don't dread them. Learn them, use them.

Myron WVØH
Printed on Recycled Data

> On Sep 27, 2014, at 10:32 PM, Original Woodchuck marmota@embarqmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> heaven forfend!) the dreaded Smith charts.

34174. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 06:40:33 UTC
From: L L bahr
Topic: 34134 Message: 34174

One other thing as I was asked this privately off the reflector. The question was why can't you use an antenna at it's even multiples such as an 80 meter dipole on 40 meters. The truth is you can use an even multiple antenna on even multiples. There is no electrical reason why it won't work nor not work well. The reason why it is frowned upon is you are now feeding the antenna at a very large or the largest voltage point on the antenna and this creates the need for an antenna matching device which can handle these extremely high voltages as well as the need for better feed l ine insulation between wires. The tuner would also have to be able to tune out this greater presented reactance . (It would be insane trying to do this with coax!) Tuners like this would cost much more to manufacture and may not be available. Even 100 watts produces high voltages with this type configuration. Now install a high power amp and you better have a BIG tuner and decent feed line and also insulated from other structures! Other then this , there is no reason why you could not use an even multiple dipole with a good low loss line such as open wire ladder line. A good friend of mine, W5MP temporarily installed an 80 meter dipole a few weeks ago and temporarily ran the commercial ladder line into his shack over a few bushes. Using the antenna with his Drake L-4B on 40 meters, the bushes caught on fire. The plastic covered ladder line could not handle the extreme voltage placed upon it. He has since constructed home made open wire line and his problems went away. The insulators no longer get hot or even warm. (He is using a just completed home made balanced line tuner. The parts to build it cost somewhere around $1750 dollars. It takes the voltages presented to it with no problem on even multiples of half wavelengths.) Forget trying to do this with a built in rig tuner or some weak MFJ tuner. So the bottom line is most hams won't want to fool with these requirements and thus it is a good idea to stay away from even multiples unless you want to handle the requirements a nd the possible extra costs involved.

Lee, w0vt

34175. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 11:36:34 UTC
From: K1IKE-MAIL
Topic: 34134 Message: 34175

Can we agree on the below formula? That power dissipated anywhere except out the antenna reduces efficiency? (RSGB=Radio Society of Great Britain)

> RSGB manual states that:
>
> Efficiency= Power Radiated divided by Power Supplied
>

>
>

34176. Re: AW: AW: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 12:40:03 UTC
From: Goldtr8 (KD8NNU)
Topic: 34134 Message: 34176

Think of a balloon.

Blow the balloon up and you have a fixed volume. Now think this is the total energy output or lets say 100 watts.

Now squeeze the balloon around such that you point it in a specific area you are concentrating the output in the area and also concentrating incoming signals.

Like the reflector in a headlight you point all the light where you want it going down the road.

Energy is the same but you mold and concentrate where you want it to go.

~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, September 27, 2014 7:42 PM
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Conservation of Energy Re: Antenna question

>
> Once again, I'm trying to understand.
>
> If an antenna has more "gain", doesn't that just mean that it focuses more
> energy in some particular direction (at the expense of less energy emitted
> in other directions)?
>
>
> If your 50 meter antenna is actually emitting more RF than your 40 meter
> antenna, where is that additional energy coming from?
>

The longer antenna concentrates the energy in a smaller lobe

The sum of energy is the same ... just squeezed in a smaller beam

Dg9bfc

Sigi

34177. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 13:04:19 UTC
From: Joe
Topic: 34134 Message: 34177

A quick search of the ARRL website found this:

<http://www.arrl.org/transmatch-antenna-tuner>

"With proper system design, an antenna tuner or transmatch can allow a non-resonant antenna to operate nearly as efficiently as one that is carefully cut to resonance."

If the ARRL is correct, the resonant antenna is more efficient that a non-resonant antenna. Granted, the difference can be small, but there is a difference that favors the resonant antenna.

I've used non-resonant antennas for years and they have worked just fine, but a resonant antenna would give better efficiency. Maybe not much, but better.

73, Joe, K1ike

34178. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 13:06:42 UTC
From: Myron WVØH
Topic: 34134 Message: 34178

Well, that would be true for antennas in space with no nearby dielectrics, and is difficult to determine the amount radiated. We live on earth and next to lossy ground and nearby trees, etc. The power radiated can be absorbed in those nearby objects and is therefore not radiated into space let alone the direction we want, but the antenna efficiency may be quite high. So I tend to favor the use of antenna efficiency defined as the ratio of the radiation resistance divided by the radiation resistance plus all associated loss.

η = Rr / (Rr / Rl)

The Rl contains the sum of all loss such as ground (earth) loss, conductor loss (copper/aluminum loss), dielectric loss, matching component loss and other loss I'm forgetting here.

Bottom line: we have to be careful when we define efficiency and where we draw the circle around "the system" as my physics professor said. If we were to draw the circle around just the antenna, many antenna designs currently commercially available today would be very efficient, but bring that antenna next to earth or in the middle of some trees and the efficiency is reduced.

Now, how much reduction in efficiency? That can only be calculated and never measured directly (at least I know of no anechoic chambers for HF with ground and trees in them). It can be measured indirectly by using data from calibrated test equipment to determine input impedance and backing out theoretical values of loss and arrive at an efficiency that will be close. For example, we put up a 1/4 monopole for 20 meters that measures approximately 16.5 feet long made of 1" aluminum tubing and drive a one ground rod. We take our uncalibrated SWR meter and measure 1:1 SWR. Perfect, we think. When we look at the efficiency formula, Rr is 36 Ω and since we have obtained a 50 Ω reading on our meter we must have 14 ohms of loss to get to that 50 ohm meter reading. Putting these numbers in the formula we get 36/(36+14) = 72% or (10Log(0.72)) = -1.42dB loss in heating the ground. But let's say the denominator is higher due to higher loss. We measure a 2:1 VSWR at the feedpoint and see the R value to be 100 ohms. What then? Well, same formula, different result. 36/100 = 36% or -4.4dB! That's why it is ALWAYS better to drive down loss by adding more radials than just one or two. And since we are using uncalibrated test equipment there are many sources of error in the measurements. If you put two dummy loads in parallel and connect it to your meter you should see 25 ohms, if not, there is one source of error.

It gets worse for the so called "halfwave" antennas, end fed antennas that are only 16 feet long and fed in a voltage mode on all bands. First of all, how long is a halfwave antenna? Who's buried in Grant's grave? A halfwave antenna is only a halfwave at one frequency, the rest are longer or shorter. So if you were to calculate the efficiency of that same 16.5 foot piece of aluminum fed at the bottom for 40 meters and elevated up off the ground and maybe the ends had capacity hats to "increase" the efficiency, we can prove that the efficiency would be less than the 1/4 wave monopole outlined above because the Rr would be considerably less and the loss from the capacitive coupling of the hatted vertical dipole would couple energy into the ground, thus increasing the loss component and decreasing efficiency . These examples are a recap from a two part pdf found online called, "Dirty Little Secrets" parts 1 and 2. The engineering is sound and is written at an easy to understand level.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 5:36 AM, K1IKE-MAIL k1ike_mail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Can we agree on the below formula? That power dissipated anywhere except out the antenna reduces efficiency? (RSGB=Radio Society of Great Britain)
>
>
>> RSGB manual states that:
>>
>> Efficiency= Power Radiated divided by Power Supplied
>
>
>
>

34179. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 13:24:05 UTC
From: Joe
Topic: 34134 Message: 34179

OK, so we seem to agree on the basic theoretical antenna. My claim is that VSWR created by a non-resonant antenna is going to create losses that are going to reduce the radiated power of the antenna, thereby reducing overall efficiency of the antenna. Theoretically, do we agree?

(I didn't make this theory up, it's from the book).

Joe.

On 9/28/2014 9:06 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
> Well, that would be true for antennas in space with no nearby
> dielectrics, and is difficult to determine the amount radiated. We
> live on earth and next to lossy ground and nearby trees, etc. The
> power radiated can be absorbed in those nearby objects and is
> therefore not radiated into space let alone the direction we want, but
> the antenna efficiency may be quite high. So I tend to favor the use
> of antenna efficiency defined as the ratio of the radiation resistance
> divided by the radiation resistance plus all associated loss.

34180. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 13:44:30 UTC
From: Myron WVØH
Topic: 34134 Message: 34180

Joe,

You can have a very high input impedance to a given antenna system and if you have a very efficient high Z conjugate match, the losses will be the same for an equally designed low impedance match, the end fed halfwave matching circuit can have an efficient transfer of power if properly designed.

The very high SWR alone does not mean poor efficiency. You have to identify the losses within the antenna system and factor those into the efficiency ratio.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 7:24 AM, Joe k1ike_mail@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> OK, so we seem to agree on the basic theoretical antenna. My claim is
> that VSWR created by a non-resonant antenna is going to create losses
> that are going to reduce the radiated power of the antenna, thereby
> reducing overall efficiency of the antenna. Theoretically, do we agree?
>
> (I didn't make this theory up, it's from the book).
>
> Joe.
>
> On 9/28/2014 9:06 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
> > Well, that would be true for antennas in space with no nearby
> > dielectrics, and is difficult to determine the amount radiated. We
> > live on earth and next to lossy ground and nearby trees, etc. The
> > power radiated can be absorbed in those nearby objects and is
> > therefore not radiated into space let alone the direction we want, but
> > the antenna efficiency may be quite high. So I tend to favor the use
> > of antenna efficiency defined as the ratio of the radiation resistance
> > divided by the radiation resistance plus all associated loss.
>
>

34181. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 13:56:25 UTC
From: Myron WVØH
Topic: 34134 Message: 34181

The highlighted statement below needs to have this inserted... "for a low Z antenna system fed with a low Z matching system".

The transfer of power (efficiency) can be the same if the matching circuits are designed to their respective impedances. Such as a high Z load with a high Z match equals a low Z load and a low Z match if all other things are equal.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 7:44 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> losses will be the same for an equally designed low impedance match,

34182. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 14:07:42 UTC
From: Joe
Topic: 34134 Message: 34182

I agree, but we are starting with a 50 ohm impedance from the average ham transmitter so matching is going to cause some loss, however insignificant it may be.

Joe

On 9/28/2014 9:56 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
> The highlighted statement below needs to have this inserted... "for a
> low Z antenna system fed with a low Z matching system".
>
> The transfer of power (efficiency) can be the same if the matching
> circuits are designed to their respective impedances. Such as a high Z
> load with a high Z match equals a low Z load and a low Z match if all
> other things are equal.
>

34183. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 14:38:02 UTC
From: Myron WVØH
Topic: 34134 Message: 34183

Oh sure. I should have said low z to high z matching. In any case, careful attention paid to loss in the matching system can produce efficient transfer of power.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 8:07 AM, Joe k1ike_mail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I agree, but we are starting with a 50 ohm impedance from the average ham transmitter so matching is going to cause some loss, however insignificant it may be.
>
> Joe
>
>> On 9/28/2014 9:56 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>>
>> The highlighted statement below needs to have this inserted... "for a low Z antenna system fed with a low Z matching system".
>>
>> The transfer of power (efficiency) can be the same if the matching circuits are designed to their respective impedances. Such as a high Z load with a high Z match equals a low Z load and a low Z match if all other things are equal.
>>
>
>

34184. Re: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 14:58:28 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34184

On 28 Sep 2014 at 7:44, Myron WVØH s9plus@... [ham-antenn
wrote:

> The very high SWR alone does not mean poor efficiency. You have to identify the
> losses within the antenna system

...which are usually, although not always, primarily in the feed-line, especially
if you use coax...

> and factor those into the efficiency ratio.

Indeed.

Another assumption being implied here is that all non-resonant antennas
automatically exhibit high to very high SWR, while all resonant antennas
exhibit much lower SWR: this is not necessarily the case.

In any case, it is the SWR on the feed-line, or within the impedance
transformer(s) (coupler/couplers) that is the primary cause of "losses".

Ken W7EKB

34185. Re: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 15:10:53 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34185

On 28 Sep 2014 at 9:24, Joe k1ike_mail@... [ham-antennas] wrote:

> OK, so we seem to agree on the basic theoretical antenna. My claim is
> that VSWR created by a non-resonant antenna is going to create losses
> that are going to reduce the radiated power of the antenna, thereby
> reducing overall efficiency of the antenna. Theoretically, do we agree?

No. Again, your terminology is not precise enough. As I just stated, the primary cause of ineffeciency in antenna systems is in whatever mechanism is used to couple the transmitter's output to the antenna.

This can include both the feed-line and any impedance-transformers in the circuit.

Since coax became the defacto standard for coupling the transmitter to the antenna (whether or not there is/are impedance transformers in the circuit) THAT, coax, has become the primary place where losses and therefore ineffeciencies of the antenna SYSTEM occur.

> (I didn't make this theory up, it's from the book).

Then you are mis-reading the theory: you say: "...that VSWR created by a non-resonant antenna IS GOING TO create losses that are going to reduce the radiated power of the antenna,..."

If you had said: "..that VSWR created by a non-resonant antenna ***CAN*** create losses that are going to reduce the radiated power of the antenna...", I would agree with you, since this is not always the case.

But again, those losses are primarily caused by whatever mechanism you must use to couple the transmitter to the antenna.

The antenna itself is simply a load, like a big resistor, and its efficiency is not determined by whether or not it is resonant.

Ken W7EKB

34186. Re: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 15:16:39 UTC
From: Joe
Topic: 34134 Message: 34186

On 9/28/2014 11:10 AM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
> If you had said: "..that VSWR created by a non-resonant antenna
> ***CAN*** create losses that are going to reduce the radiated power
> of the antenna...", I would agree with you, since this is not always
> the case.

OK, I'll agree with that if you can give an example of VSWR being
present without any losses occurring. That part I don't understand.
I'm not trying to be sarcastic, I just can't visualize VSWR happening
without losses in the system.

Joe

34187. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 15:25:41 UTC
From: Original Woodchuck
Topic: 34134 Message: 34187

On Sun, Sep 28, 2014 at 09:24:05AM -0400, Joe k1ike_mail@... [ham-antennas] wrote:
> OK, so we seem to agree on the basic theoretical antenna. My claim is
> that VSWR created by a non-resonant antenna is going to create losses

VSWR is not created by non-resonant antennas. It is created by
impedance mismatch. That is not sophistry or "theoretical". It
makes a difference.

Here is a resonant antenna with plenty of VSWR:

Antenna: folded dipole, resonant with feedpoint impedance of 300 ohms.
Feedline: 300 ohm twinline of any length.
--or--: 1/2 wavelength of any feedline.
Transmitter: 50 ohm output impedance.

Here is a non-resonant system with VSWR = 1:

Antenna: impedance at feedpoint R + jX for any values of R and X
Feedline: 1/2 wavelength, of any characteristic impedance whatsoever.
Transmitter: output stage of R - jX impedance.

These are both very real possibilities, not pathological at all.

Notice that there is a theorem in E.E. that proves that maximum
power transmission from source to load occurs when Zsource = Zload*,
i.e. when Zsource is the conjugate of Zload, i.e. Rsource = Rload
and Xsource = -Xload. Did I say something about VSWR here? No.

Dave AB3NR

34188. Re: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 15:29:08 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34188

On 28 Sep 2014 at 11:16, Joe k1ike_mail@... [ham-antennas] wrote:

> On 9/28/2014 11:10 AM, 'Kenneth G. Gordon' kgordon2006@...
> [ham-antennas] wrote:
> > If you had said: "..that VSWR created by a non-resonant antenna
> > ***CAN*** create losses that are going to reduce the radiated power
> > of the antenna...", I would agree with you, since this is not always
> > the case.
>
> OK, I'll agree with that if you can give an example of VSWR being
> present without any losses occurring.

Really, Joe, you need to read and understand what is written, not what you think it should say. Neither I nor anyone else here ever said that VSWR....ON THE FEEDLINE...did not incur losses: you asked about the ANTENNA, but appear to be ignoring the system that couples the antenna to the source.

VSWR is measured on the FEEDLINE, not on the antenna itself.

There are ALWAYS losses through the SYSTEM which couples the transmitter to the antenna, AND if the VSWR is "high", then all the losses occur in the FEEDLINE.

If that FEEDLINE is coax, those losses can be very high. These high losses in the FEEDLINE and COUPLING system will, of course, reduce the OVERALL efficieny.

But again, none of these have anything at all to do with whether or not the antenna is resonant.

Why do you think that Lee and I keep harping on open wire line?

Ken W7EKB

> That part I don't understand.
> I'm not trying to be sarcastic, I just can't visualize VSWR happening
> without losses in the system.
>
> Joe
>
>
> ---
>
> ---
>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to
> ALL 3724 members (as of 08/01/14). and attachments are NOT permitted. Any
> statements in ANY post that may be construed as inflamatory MAY be cause for
> suspension. Moderators WILL have final say in these matters. Post message:
> ham-antennas@yahoogroups.com Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com List owner:
> ham-antennas-owner@yahoogroups.com ----------
>
> Yahoo Groups Links
>
>
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

34189. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 16:26:30 UTC
From: Original Woodchuck
Topic: 34134 Message: 34189

On Sun, Sep 28, 2014 at 02:40:33AM -0400, 'L L bahr ' pulsarxp@... [ham-antennas] wrote:
>
> One other thing as I was asked this privately? off the reflector.?
> The question was why can't you use an antenna at it's even multiples such
> as an 80 meter dipole on 40 meters.? The truth is you can use an even
> multiple antenna on even multiples.? There is no electrical reason why
> it won't work nor not work well.? The reason why it is frowned upon is
> you are now feeding the antenna at a very large or the largest voltage
> point on the antenna and this creates the need for an antenna matching
> device which can handle these extremely high voltages as well as the
> need for better feed l ine insulation between wires.? The tuner would
> also have to be able to tune out this greater presented reactance .?
> (It would be insane trying to do this with coax!)

There's always heliax...

Heh heh. This is another example of a non-resonant antenna being
more desirable than resonant. Easier to tune.

The love of resonance comes from the nasty way that certain organizations
encourage the use of VSWR as the sole figure of merit of an antenna
"system". Actually, nobody talked much about VSWR before solid state
output stages, which is also when manufacturers stopped building what
amounted to heavy duty tuners into radios. Made them compact and could be
painted black and masquerade as military equipment, I suppose.

> Tuners like this
> would cost much more to manufacture and may not be available.? Even
> 100 watts produces high voltages with this type configuration.?

It seems to me to be more a question of size and attentive design.
Old (Johnson etc) tuners were not large because men craved clubby,
ungainly equipment, but because the usual tuner components need some
space. (To avoid stray capacitance and sometimes even arcing). They
still do, the laws of physics having remained remarkably constant.
(It's obvious you, Lee, know this.)

> Now install a high power amp and you better have a BIG tuner and decent
> feed line and also insulated from other structures!? Other then this ,
> there is no reason why you could not use an even multiple dipole with
> a good low loss line such as open wire ladder line.? A good friend of
> mine, W5MP temporarily installed an 80 meter dipole a few weeks ago
> and temporarily ran the commercial ladder line into his shack?over
> a few bushes.? Using the antenna with his Drake L-4B on 40 meters,
> the bushes caught on fire.? The?plastic covered ladder line could not
> handle the extreme voltage placed upon it.? He has since constructed

> home made open wire line and his problems went away.? The insulators
> no longer get hot or even warm.? (He is using a just completed home
> made balanced line tuner.? The parts to build it cost somewhere around
> $1750 dollars.? It takes the voltages presented to it with no problem
> on even multiples of half wavelengths.)?? Forget trying to do this

Hmmm. Since really good coils can be had fairly cheaply or made fairly easily, (especially if one has a machine shop in the cellar) I assume W5MP is using vacuum variables, sync'ed and driven by servo motors of some kind? Probably also a large box and connections made from copper sheet or better, silver-plated copper sheet. I guess I'm asking which circuit he chose.

Is it something like a Kilowatt Matchbox bulked up a bit and modded to cover the WARCs? (Kids who don't know the KW Matchbox -- it'll handle about 3 of the wimpy KWs we use nowadays on the usual antennas. It looks like a "small" 100W (i.e. 300W in practice) Johnson Matchbox, which is no toy itself, about a 10"/250mm cube, but BIGGER. Big (widely spaced for voltage, big plates for capacitance) capacitors in there. Now around 50 years old, they go for around 3-400$ on Ebay, and they are not just for "antique collectors". There's a German variation on the Matchbox circuit that is superior. There's an article by Cebik on the subject.)

Just a teaser: I've recently stumbled across an actual "unbalanced" balanced tuner, i.e. one that tunes each branch independently, good for things like asymmetrically fed antennas. It's an RSGB design. (kids: OCF dipoles may have an "input impedance", but each arm is different. Hence ladder-feeding an OCF will either cook a balun or radiate from the line, due to a common mode current. Coax will have currents on its "third wire", for that matter. So I think, anyway.)

> with a built in rig tuner or some weak MFJ tuner. So the bottom line
> is most hams won't want to fool with these requirements and thus it is
> a good idea to stay away from even multiples unless you want to handle
> the requirements a nd the possible extra costs involved.

Dave AB3NR

34190. Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 16:34:19 UTC
From: Al Bonnyman
Topic: 34134 Message: 34190

How bad are typical losses for baluns and tuners?

Is there anything, loss-wise, that I should be aware of in buying, building or using them?

Thanks,

Al Bonnyman
KM4BYJ

34191. Balun repair Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 16:31:01 UTC
From: Al Bonnyman
Topic: 34134 Message: 34191

In this thread, you all have noted that baluns can be magnetic damaged by excessive heat.

Assuming either there's no damage to the wiring or that any such damage is repairable:

Is it possible to somehow restore the Balun magnetically? That or work around its change in magnetic state (changing turn count, etc.)

Thanks,

Al Bonnyman
KM4BYJ

34192. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 16:37:08 UTC
From: David Gillooly
Topic: 34134 Message: 34192

How much power will you be using and what is the length ot your transmission line (coax I assume)?

David Gillooly

On Sun, Sep 28, 2014 at 9:34 AM, Al Bonnyman aabonnyman@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> How bad are typical losses for baluns and tuners?
>
> Is there anything, loss-wise, that I should be aware of in buying,
> building or using them?
>
> Thanks,
>
> Al Bonnyman
> KM4BYJ
>
>
>

34193. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 17:00:24 UTC
From: Joe
Topic: 34134 Message: 34193
Attachments: 1 described; binary payloads are missing from this source WARC

It varies from tuner to tuner,, some are very efficient, Others in
certain levels of mis-match are terrible. They will make a good match to
the transmitter but at a cost of like 25% or more of the power. Some
even as high as 3 db or more!

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 9/28/2014 11:34 AM, Al Bonnyman aabonnyman@... [ham-antennas]
wrote:
> How bad are typical losses for baluns and tuners?
>
> Is there anything, loss-wise, that I should be aware of in buying, building or using
them?
>
> Thanks,
>
> Al Bonnyman
> KM4BYJ
>
>
>
> ------------------------------------
> Posted by: Al Bonnyman <aabonnyman@...>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724
members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
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34194. Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 17:17:47 UTC
From: glene77is@...
Topic: 34134 Message: 34194

Al, KM4BYJ "... I'm not sure it's changed my basic thinking ..."

That could be a good thing, that you are not swayed by so much prose.
I wondered where this discussion would go ... now I see.
It is difficult to weed out the wheat from the chaf.

But ... it is a good thing that you Poked at the subject ...

Al, I am sure you will read on this subject and come to an understanding.

Glene77is KK4LPG

34195. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 17:31:25 UTC
From: KA4INM radio
Topic: 34134 Message: 34195

On 09/28/14 12:34, Al KM4BYJ Bonnyman aabonnyman@...:

> How bad are typical losses for baluns and tuners?

> Is there anything, loss-wise, that I should be aware of in buying, building or using them?

I have never heard of an antenna tuner with a fan or blower.
There almost no losses in the coils or capacitors, save IR losses in the conductors.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34196. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 17:39:35 UTC
From: Myron WVØH
Topic: 34134 Message: 34196

Tough question because there are too many variables to consider. In the case of a properly designed balun matched into a purely resistive load one can obtain loss measured in tenths of a deciBel. However, loss can be in the 10-20 dB range if a highly reactive load is attached.

Loss in tuners is hard to determine too because the loss mechanisms are conductor loss, dielectric loss, circulating current loss, the list goes on. However, a properly designed tuner can exhibit low loss in tenths of dB to several dB on the high end.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 10:34 AM, Al Bonnyman aabonnyman@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> How bad are typical losses for baluns and tuners?
>
> Is there anything, loss-wise, that I should be aware of in buying, building or using them?
>
> Thanks,
>
> Al Bonnyman
> KM4BYJ
>
>

34197. Re: Balun repair Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 17:52:55 UTC
From: Myron WVØH
Topic: 34134 Message: 34197

Al,

Ferrite material has a high temp limit of the published Curie temp. Going above this temp can cause the magnetic (probably missing some other magnetic name such as paramagnetic, diamagnetic, or ferromagnetic term) property to be changed. To what degree? Who knows? I've never gotten any that hot to experiment with. However, iron powder cores are much hardier and can handle much higher flux density for a given temperature rise.

The reason iron powder cores are popular is that when you wind an inductor on an iron core you can calculate the exact value and usually be spot on when you measure the inductance. Not true of ferrites. Wind two identical inductors on two identical cores and you'll end up with two different values of inductance. It's because the consistency and accuracy of the mix in iron power cores are tightly controlled and is not controlled for ferrites. So you get what you get.

Another neat property of these materials, both the iron powder and ferrite cores can be glued back together in case they fracture and break apart without affecting their performance. In fact some Baluns don't rely on the complete path inside the core to work. Hence the transmission line transformer effect where it's the electric loading on the transmission line wound on the core that makes them unique compared to traditional flux coupled transformers. I seem to remember a G0 call running some tests on a Ruthroff wound 4:1 voltage balun missing 1/3 of the core and the performance was unchanged. Neat.

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 10:31 AM, Al Bonnyman aabonnyman@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> In this thread, you all have noted that baluns can be magnetic damaged by excessive heat.
>
> Assuming either there's no damage to the wiring or that any such damage is repairable:
>
> Is it possible to somehow restore the Balun magnetically? That or work around its change in magnetic state (changing turn count, etc.)
>
> Thanks,
>
> Al Bonnyman
> KM4BYJ
>

34198. AW: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 18:25:29 UTC
From: siegfried jackstien
Topic: 34134 Message: 34198

High swr on ladderline is no problem (if you can match the load at shack end)

High swr on coax = high losses on feedingline

That is to make a long story short

So ... if you wanna use coax ... then use an antenna setup that has low swr on your bands you wanna use our antenna (or in other words make it resonant on these bands)

If you use ladderline you can use any length of antenna on any band (with a proper designed balanced tuner in the shack) ... and have low losses on your overall system

And then you can play with different lengths of antennas and different lobes of the harmonic bands ...go figure why some use ladderline ... low loss in the overall system and multiband use (without lossy traps etc.)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 28. September 2014 15:29
> An: Joe k1ike_mail@... [ham-antennas]
> Betreff: Re: [SPAM] Re: [ham-antennas] Conservation of Energy Re: Antenna
> question
>
>
>
> On 28 Sep 2014 at 11:16, Joe k1ike_mail@... [ham-antennas] wrote:
>
> > On 9/28/2014 11:10 AM, 'Kenneth G. Gordon' kgordon2006@...
> > [ham-antennas] wrote:
> > > If you had said: "..that VSWR created by a non-resonant antenna
> > > ***CAN*** create losses that are going to reduce the radiated power
> > > of the antenna...", I would agree with you, since this is not always
> > > the case.
> >
> > OK, I'll agree with that if you can give an example of VSWR being
> > present without any losses occurring.
>
> Really, Joe, you need to read and understand what is written, not what you

> think it should say. Neither I nor anyone else here ever said that
> VSWR....ON THE FEEDLINE...did not incur losses: you asked about the
> ANTENNA, but appear to be ignoring the system that couples the antenna to
> the source.
>
> VSWR is measured on the FEEDLINE, not on the antenna itself.
>
> There are ALWAYS losses through the SYSTEM which couples the
> transmitter to the antenna, AND if the VSWR is "high", then all the losses
> occur in the FEEDLINE.
>
> If that FEEDLINE is coax, those losses can be very high. These high losses
> in the FEEDLINE and COUPLING system will, of course, reduce the
> OVERALL efficieny.
>
> But again, none of these have anything at all to do with whether or not
> the
> antenna is resonant.
>
> Why do you think that Lee and I keep harping on open wire line?
>
> Ken W7EKB
>
> > That part I don't understand.
> > I'm not trying to be sarcastic, I just can't visualize VSWR happening
> > without losses in the system.
> >
> > Joe
> >
> >
> > ----------
> >
> > ----------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go to
> > ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any
> > statements in ANY post that may be construed as inflamatory MAY be cause
> for
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> >
> >
>
> Kenneth G. Gordon W7EKB
>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>

34199. RE: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 20:40:50 UTC
From: jim burns
Topic: 34134 Message: 34199

If anyone mentioned this I missed it. The reason coax isn't good for high SWR antennas is due to the fact that coax has a continuous dielectric separating the inner conductor from the outer conductor (shield). All dielectrics have a "dielectric coefficient" which essentially is how much RF that dielectric will absorb and turn into heat. Air has a dielectric coefficient of "1" and plastics have a dielectric coefficient of more than 1 and it varies with the particular plastic. All dielectrics will turn some of the RF into heat at any SWR, at any power level and at any frequency. The conversion of RF into heat increases with frequency and SWR and, of course, more heat at higher power levels. Ladder line has air as the dielectric with spacers (spreaders), usually plastic or sometimes wood, spaced along the length of the line. The spacers make up such a small percentage of the dielectric that you can essentially consider ladder line as having air as the dielectric. At any SWR, ladder line is more efficient than coax. However, in the real world, coax losses at relatively low SWR are acceptable especially when you consider that coax is readily available, relatively inexpensive, has an impedance that matches the output of common radios and many types of antennas both commercial and homebuilt, can be routed without consideration of nearby metallic objects and is just plain "handy" with many types of readily available connectors. Also, coax comes in many flavors and using high quality coax of larger diameter with high quality dielectric and keeping the coax run as short as possible minimizes losses.

Ladder line does have it's place in our hobby as it does allow many types of antennas to be operated efficiently on many different bands of frequencies where coax losses would make it's use impractical.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, September 27, 2014 10:51 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

I think what he is suggesting is since the signal imposed on a line with a high SWR has to go up and down the line many times, it theoretically has to have extra copper losses going up and down many times VS going up just once when you have a 1:1 SWR. So yes, MAYBE that is true but insignificant if adequate sized wire is used in a highly efficient feed line. The difference is so small you can hardly measure it and certainly not detect it at a receiving site remote from the transmitter.

However, when you have a high SWR that usually means the signal is at high voltage rather then at high current for a given power level. Using ohm's law, losses are less through a wire when a given amount of power is at high voltage rather then at low voltage and higher current. That means in a near loss less open wire line a signal with a given power with high voltage actually gives you less copper loss per 100 foot then a signal with the same power but with low voltage and higher current flowing on it. Thus copper losses in a high SWR condition on a low loss feed line may actually produce less copper loss then if the SWR on the line were lower when the current flowing were higher and the voltage present being lower. (In a low SWR condition the copper losses would be greater per pass but only go up the line once. In a high SWR condition, the copper losses would be multiplied by the number of significant passes but the copper losses per pass could be less.) In short, I don't think the number of times the signal goes up and down the line makes much difference if any in actual practical efficiency.

Lee, w0vt

PS: I'm done now. I am sure this is boring to many. You are all Chief Engineers of your own stations. Pick out for you stations what you think is best for you. I'm going back to designing an Atomic Bomb Proof 186 kHz Hobby transmitter!

From: "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "Joe k1ike_mail@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: Saturday, September 27, 2014 9:06:29 PM
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

On 27 Sep 2014 at 21:18, Joe k1ike_mail@... [ham-antennas] wrote:

> RSGB manual states that:
>
> Efficiency= Power Radiated divided by Power Supplied

Sure....funny....I don't see any parameter labled "resonance"...

>
> If power is reflected back due to VSWR (in the case of a non resonant
> antenna)

VSWR has absolutely NOTHING to do with resonance or non-resonance: it has solely to do with impedance matching. Period.

> it is not being radiated as well as a resonant antenna. This
> will show up as a less efficient antenna. Granted, it will still work
> fine in many cases, but technically it will be less efficient.
>
> This thread has gone way off subject. The original question was:
>
> "So my question - if you match stuff up, why would a non-resonant
> antenna emit less RF than a resonant antenna?"

The answer: It wouldn't.

> This is the only question I was answering. I still say that, due to
> ohmic losses and reflected power, the non-resonant antenna will emit
> less RF.

You are combining too many factors: 1) ohmic losses, 2) reflected power, 3) non-resonant antenna, 4) RF and a few others which you have only implied by these such as 5) resonant antennas (by inference from your "non-resonant antennas") etc..

> It may be a very small difference, but it will be less.

It will not. In point of fact, a non-resonant antenna fed using a properly matched balanced coupler will exhibit more RF emitted than a resonant antenna with no or poorly matched feedline.

> I use TESSCO's VSWR & Return Loss Calculator Excel spreadsheet
>
> https://www.tessco.com/yts/knowledge_center/su/xls/rfcalc_3-6-06.xls
>
> Enter Forward Power 100.00 Watts
> Enter Reflected Power 66.95 Watts
> Calculates VSWR 10.00
> Calculates Return Loss -1.74 dB
> Calculates Match Efficiency 33.05 %
> Calculates Rho 0.82

You are using that spreadsheet incorrectly. There is not one item in it that

refers to resonance or non-resonance. It deals solely with MATCHING impedances and what happens when you DON'T match impedances.

Let's examine your question, again, exactly as you;ve asked it.

"If you match stuff up, why would a non-resonant antenna emit less RF than a resonant antenna?"

My (and others') simple reply to that question is: It wouldn't.

Lets take your question apart, examining the ideas inherent in each statement:

1) "If you match stuff up..." This implies several things, among them that you
A) Know the impedance of the antenna in question, B) you have matched the impedance of that antenna to the impedance of the feedline, i.e., if the antenna exhibits a 50 ohm impedance, you are feeding it with a 50 ohm feedline (probably RG-8) C) at the transmitter end you are driving that 50 ohm feedline with a 50 ohm output or some sort of electronic unit which changes the output impedance of the amplifier tube or transistor to the impedance of the feedline. D) that due to "...matching stuff up..." there is no
loss in the feedline. E) Therefore, every bit of power applied at the

transmitter end of the feedline gets to the antenna. F) this implies that all that
power will be radiated by the antenna. After all, it has to go somewhere, and
there is no loss in the feedline....right?

Hmmm....interesting....so far, there is no mention of resonance...

2) Then you include: "...why would a non-resonant antenna emit less RF than a resonant antenna?"

Can you see that the first statement has zero relationship to this second one?

I repeat: whether an antenna is resonant or not has zero to do with how much RF it emits.

Ken W7EKB

34200. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 21:47:30 UTC
From: Joe
Topic: 34134 Message: 34200

On 9/28/2014 11:10 AM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
>
> But again, those losses are primarily caused by whatever mechanism you
> must use to couple the transmitter to the antenna.
>
> The antenna itself is simply a load, like a big resistor, and its
> efficiency is not determined by whether or not it is resonant.
>
> Ken W7EKB
>
> ---
>
The above statement clears up a lot. The topic got off on many
tangents, some obscure, but your above statement is clear and now makes
sense to me.

Thanks es 73, Joe

34201. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-28 23:56:40 UTC
From: Ray Kasprzak
Topic: 34134 Message: 34201

You have it backwards. Look here:

http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html

□ □ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: Joe k1ike_mail@... [ham-antennas]
Date: 09/27/14 16:03:43
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

10:1 VSWR with 100 watts forward power would be 66.95 watts, to be exact. This is what the antenna would be reflecting down the feed-line. We were talking about the efficiency of the antenna itself, not the feed-line or the tuner. Any tuner, even at the antenna feed-point, would decrease efficiency of the antenna due to ohmic losses. If losses were negligible manufacturers would not put wattage ratings on baluns and antenna tuners, and DXers wouldn't be burning them up.

Non-resonant antennas can work just fine for the average ham (I have one at my QTH) but I still say that they are not as efficient as a resonant antenna.

73, Joe, K1ike

On 9/27/2014 3:31 PM, 'Ray Kasprzak' raykasprzak@...
[ham-antennas] wrote:
> The reflected power at a 10:1 SWR at 7 mhz with 100 feet of decent
> coax would be around 30 watts not 70. 1.32 db. Probably not enough
> to notice a difference at the other end.
> http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html
> Put the antenna tuner at the antenna feed point and there is no swr
> loss only feedline loss which is usually negligible. The secret is
> impedance matching for maximum power transfer.

34202. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 00:03:08 UTC
From: Joe
Topic: 34134 Message: 34202

That's a coax loss calculator. Not what I was referring to.

On 9/28/2014 7:56 PM, 'Ray Kasprzak' raykasprzak@...
[ham-antennas] wrote:
> You have it backwards. Look here:
> http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html

34203. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 00:24:20 UTC
From: Ray Kasprzak
Topic: 34134 Message: 34203

That's where the loss is, in the coax.

□ □ □ □ □ □ □ □
Ray Kasprzak

K9RJO

http://shutterstock.com/g/rkasprzak

http://k9rjo.myqsx.net/
-------Original Message-------

From: Joe k1ike_mail@... [ham-antennas]
Date: 9/28/2014 7:06:07 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

That's a coax loss calculator. Not what I was referring to.

On 9/28/2014 7:56 PM, 'Ray Kasprzak' raykasprzak@...
[ham-antennas] wrote:
> You have it backwards. Look here:
> http://www.kc7hxc.us/links/radio/Coax%20Calc/Coax%20Calculator.html

34204. Re: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 00:50:07 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34204

On 28 Sep 2014 at 16:40, 'jim burns' jfburns@... [ham-a wrote:

> If anyone mentioned this I missed it.

I think these things were implied, but not mentioned specifically.

> The reason coax isn't good for high
> SWR antennas is due to the fact that coax has a continuous dielectric
> separating the inner conductor from the outer conductor (shield). All
> dielectrics have a "dielectric coefficient" which essentially is how much RF
> that dielectric will absorb and turn into heat. Air has a dielectric
> coefficient of "1" and plastics have a dielectric coefficient of more than 1
> and it varies with the particular plastic. All dielectrics will turn some
> of the RF into heat at any SWR, at any power level and at any frequency.
> The conversion of RF into heat increases with frequency and SWR and, of
> course, more heat at higher power levels. Ladder line has air as the
> dielectric with spacers (spreaders), usually plastic or sometimes wood,
> spaced along the length of the line. The spacers make up such a small
> percentage of the dielectric that you can essentially consider ladder line
> as having air as the dielectric. At any SWR, ladder line is more efficient
> than coax.

Correct.

> However, in the real world, coax losses at relatively low SWR
> are acceptable especially when you consider that coax is readily available,
> relatively inexpensive, has an impedance that matches the output of common
> radios and many types of antennas both commercial and homebuilt, can be
> routed without consideration of nearby metallic objects and is just plain
> "handy" with many types of readily available connectors. Also, coax comes
> in many flavors and using high quality coax of larger diameter with high
> quality dielectric and keeping the coax run as short as possible minimizes
> losses.

Again, absolutely correct. Coax is just plain "handy". Ladder-line is very often
VERY "un-handy".

> Ladder line does have it's place in our hobby as it does allow many
> types of antennas to be operated efficiently on many different bands of
> frequencies where coax losses would make it's use impractical.

Yes. Exactly.

Trying to use coax with a NON-RESONANT antenna is VERY difficult.

One must use all manner of strange methods, baluns, etc. to match a
NON-resonant antenna to a transmitter if you try to use coax. In fact, I don't

know of any method to use coax with a NON-resonant antenna which will work over more than one band at once.

And due to the necessity of using these "strange" methods, there is usually far more loss in the coax feed-system than if one used ladder-line and a balanced impedance transformer (coupler).

VSWR on ladder-line makes almost no practical difference whatever: VSWR on coax, makes a HUGE difference. High, and even HUGE VSWR on ladder-line exhibits no noticeable loss. Moderate VSWR on coax can exhibit substantial loss.

However, using ladder-line, and a balanced-coupler allows the average ham to use a NON-resonant antenna and achieve the same, or better, efficiencies as a resonant, properly built, coax-fed antenna could exhibit.

As I have been trying to say for the past couple of days, the only real problem with non-resonant antennas vs resonant antennas is the problem of feeding them: transferring the RF from the transmitter to the antenna with minimal loss.

ALL the losses occur in the feed-system.

Any "loss" that occurs in the properly-matched antenna itself is simply radiation of the RF, which is simply useful "work".

BOTH coax, AND ladder-line have their places, and where you can use one to good effect, it may be impossible or at least impractical to use the other.

Ken W7EKB

34205. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 01:05:03 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34205

On 28 Sep 2014 at 12:34, Al Bonnyman aabonnyman@... [ham-a
wrote:

> How bad are typical losses for baluns and tuners?

As others have said, it depends on the design and construction of either. For instance, if you attempt to use a tuner designed for 100 watts to run a KW through, if you don't burn up the tuner, the losses will be very substantial.

Also, poorly designed tuners can exhibit terrible losses, even if built with high power components.

USUALLY (note that word) the larger and heavier the components, the wider the capacitors are spaced, or perhaps expensive vacuum capacitor are used, and the larger and more perfectly-made the "joints", the lower the losses....but this is not always true either.

> Is there anything, loss-wise, that I should be aware of in buying, building or
> using them?

I have seen several independent tests of many common commercial and homemade tuners listed. They are pretty selfexplanatory. They should be fairly easily found on the web.

Ken W7EKB

34206. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 01:35:49 UTC
From: rrmvargo@...
Topic: 34134 Message: 34206

QST does measure the efficiency of tuners. You can look up past reviews if you are an ARRL member. Some have been fairly high, to my surprise. But the most recent tests I saw showed them to be quite efficient. 73 Bob

34207. "Static" tuners at the antenna Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 02:20:22 UTC
From: Al Bonnyman
Topic: 34134 Message: 34207

Ok, I have another "new ham" question for those of us using coax.

If I have a wire dipole for one wavelength and I use it on another wavelength, I can get a sizable SWR at the antenna-balun-feedline junction resulting in significantly increased feedline losses. A remote antenna tuner can fix this but the tuning will vary across a given band.

I also understand that a remote antenna tuner adds cost and complexity to my station - is that true? (I've got kids in college - money's tight!)

So what I'm wondering is: can I set up an arrangement of locally manually tuned inductors and capacitors at the antenna, then walk outside and tune them for a close-ish match for the whole band to get a lower, but not optimum SWR at the antenna? This could potentially reduce but not totally eliminate my parasitic feedline losses.

I'd still use a regular tuner at my transmitter.

Thanks,

Al Bonnyman
KM4BYJ

P.S., thanks for you all answering the questions I've been asking.

34208. Re: "Static" tuners at the antenna - the "Fan Dipole".

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 02:31:03 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34208

On 28 Sep 2014 at 22:20, Al Bonnyman aabonnyman@... [ham-a
wrote:

> Ok, I have another "new ham" question for those of us using coax.
>
> If I have a wire dipole for one wavelength and I use it on another wavelength,

I think you mean "band" not "wavelength"...

> I
> can get a sizable SWR at the antenna-balun-feedline junction resulting in
> significantly increased feedline losses. A remote antenna tuner can fix this but
> the tuning will vary across a given band.

OK. I am a FIRM believer in the KISS principle: in this case, eliminate the
unnecessary: the remote coupler.

My suggestion to you is that you use a "fan-dipole". This antenna is featured
in almost all issues of the ARRL Antenna Book.

It uses one coax feedline, yet is useful on mulitple bands, and if properly
made and installed, needs no antenna coupler.

Basically, it is a series of dipoles cut for the various bands on which you wish
to operate, all tied together and fed in the center (preferably with a good
current balun) with 75 ohm coax, RG-11.

The legs of the various dipoles are "fanned" out from one another at the far
ends.

Others here will have more and better info on this for you.

Ken W7EKB

34209. Re: "Static" tuners at the antenna Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 02:32:44 UTC
From: david.gillooly@...
Topic: 34134 Message: 34209

How long is the coax from the antenna and how much power are you running?

34210. Re:The K9AY loop - some questions...

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 02:34:59 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34210

It has been suggested to me by two independent people that I investigate the K9AY loop as a possible help for my really terrible local noise problem, especially at MF. (FYI, I am a member of a group using an experimental license at 630 meters)

After doing some web-research on this antenna, I have a couple of questions:

1) Can it be used or modified to be used for transmitting?

2) Is there any advantage to using it for transmitting?

3) If I already have a transmitting antenna (a 55' tall vertical) how far away from that antenna should I mount the K9AY loop(s)? (Obviously, as far as possible, but what is the minimum separation required?)

4) How important is it to have a "radial field" under each downlead?

5) It appears from my reading that the K9AY loop is useful primarily for MF, or low HF, and not really for frequencies much above 7 MHz. Is this correct?

6) Has anyone here used one, and if so, what were your results?

Ken W7EKB

34211. Re: "Static" tuners at the antenna Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 02:42:59 UTC
From: Al Bonnyman
Topic: 34134 Message: 34211

100-125 ft.

QRP power initially. Maybe 30 watts later next year after I build a small amp.

SSB initially, CW once I learn Morse.

Not going to exactly saturate the ether at this power.

Maybe 100 someday (after kids out of college).

So every db counts at these levels.

Al Bonnyman
KM4BYJ

> On Sep 28, 2014, at 22:32, david.gillooly@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> How long is the coax from the antenna and how much power are you running?
>
>

34212. Re: "Static" tuners at the antenna Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 03:57:09 UTC
From: Myron WVØH
Topic: 34134 Message: 34212

Al,

I live in town and my enjoyment with ham radio is noise limited on receive. Meaning, I had an all band, 160-6 meter random wire end fed and tuned with an SGC-230 tuner and thought life was good until I started participating in QRP fox hunts on 40 and 80m during the winter last year. I couldn't hear them with my setup. I had all band coverage but if you can't hear them, you can't work them. So I was forced into engineering a new solution. I built a magnetic loop (for receive only at first) and walked around the yard to find the quietest spot on receive, and direction noise was coming. That exercise has paid dividends beyond my imagination. Who knew? I do now and would recommend doing something similar in anybody's situation. I found a neighbor whose house was emitting a rushing, pulsed noise and when I built a single element Quad, I oriented it away from that noise source. I put that SGC-230 tuner (yes, I know money is tight) right out at the feedpoint and it was the best investment of time ever spent on an antenna system. My loop is approximately 77 feet long, equal length sides, the top at 36 feet coming down to the tuner at 9 feet up on those green fiberglass army camo poles. I stretch out the corners with more green poles and this thing really works well (meaning decent gain, 6-8dBi) on 20-10m and marginal on bands below 30m. I usually ran a dual band vertical for 40/80, but this year I modeled, in EZNEC, a way to feed one end of that quad and put up two 28 foot wire counterpoises at 180 deg from each other in the direction of the 20m quad radiation, (not in the plane of the antenna but orthogonal to it), 9 feet up off the ground. The tuner output connects directly to one end of the quad wire and the other end of that 77 foot piece I leave open. The counterpoise connects to the tuner's ground. The whole thing is a vertical on 40/60/80/160m and we will see how it plays on the QRP foxhunts this year, and maybe an indoor contest or two. BTW, contests tell you if your antenna is working or not. I can run it on the higher bands as well but at a sacrifice of all the gain.

Good luck Al with what ever you choose. Just make sure you locate it away from the house (noise source).

Myron WVØH
Printed on Recycled Data

> On Sep 28, 2014, at 8:20 PM, Al Bonnyman aabonnyman@fastmail.fm [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Ok, I have another "new ham" question for those of us using coax.
>
> If I have a wire dipole for one wavelength and I use it on another wavelength, I can get a sizable SWR at the antenna-balun-feedline junction resulting in significantly increased feedline losses. A remote antenna tuner can fix this but the tuning will vary across a given band.
>
> I also understand that a remote antenna tuner adds cost and complexity to my station - is that true? (I've got kids in college - money's tight!)

>
> So what I'm wondering is: can I set up an arrangement of locally manually tuned inductors and capacitors at the antenna, then walk outside and tune them for a close-ish match for the whole band to get a lower, but not optimum SWR at the antenna? This could potentially reduce but not totally eliminate my parasitic feedline losses.
>
> I'd still use a regular tuner at my transmitter.
>
> Thanks,
>
> Al Bonnyman
> KM4BYJ
>
> P.S., thanks for you all answering the questions I've been asking.
>

34213. new link and actually making a proper Balun !

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 05:11:01 UTC
From: email4utoo@...
Topic: 34213 Message: 34213

BAD BALUNS - Ham Radio Site http://www.dj0ip.de/balun-stuff/bad-baluns/

http://www.dj0ip.de/balun-stuff/bad-baluns/

BAD BALUNS - Ham Radio Site http://www.dj0ip.de/balun-stuff/bad-baluns/ Balun

View on www.dj0ip.de http://www.dj0ip.de/balun-stuff/bad-baluns/
Preview by Yahoo

34214. Re: new link and actually making a proper Balun !

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 05:15:20 UTC
From: email4utoo@...
Topic: 34213 Message: 34214

another explanation , note the author -
http://www.eznec.com/Amateur/Articles/Baluns.pdf
http://www.eznec.com/Amateur/Articles/Baluns.pdf

34215. Re: new link and actually making a proper Balun !

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 05:25:00 UTC
From: email4utoo@...
Topic: 34213 Message: 34215

Then read the results then build a proper working Balun !
- Ham Radio Site http://www.dj0ip.de/cmc-test/conclusions/

http://www.dj0ip.de/cmc-test/conclusions/

- Ham Radio Site http://www.dj0ip.de/cmc-test/conclusions/ DJ0IP, NJ0IP, Spiderbeam, Antenna, Antenna Tuner, Matchbox, Balun, Rob Sherwood

View on www.dj0ip.de http://www.dj0ip.de/cmc-test/conclusions/
Preview by Yahoo

34216. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of En

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 05:30:27 UTC
From: A
Topic: 34216 Message: 34216

http://www.dj0ip.de/cmc-test/conclusions/

34217. Re: "Static" tuners at the antenna Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 10:46:50 UTC
From: KA4INM radio
Topic: 34134 Message: 34217

On 09/28/14 22:20, Al KM4BYJ Bonnyman aabonnyman@...:

> OK, I have another "new ham" question for those of us using coax.

> If I have a wire dipole for one wavelength and I use it on another wavelength, I can get a sizable SWR at the antenna-balun-feedline junction resulting in significantly increased feedline losses. A remote antenna tuner can fix this but the tuning will vary across a given band.

> I also understand that a remote antenna tuner adds cost and complexity to my station - is that true? (I've got kids in college - money's tight!)

> So what I'm wondering is: can I set up an arrangement of locally manually tuned inductors and capacitors at the antenna, then walk outside and tune them for a close-ish match for the whole band to get a lower, but not optimum SWR at the antenna? This could potentially reduce but not totally eliminate my parasitic feedline losses.

> I'd still use a regular tuner at my transmitter.

> P.S., thanks for you all answering the questions I've been asking.

Actually it is easier than that, you can simply add a (coiled) length
of feedline to the output of your tuner for each BAND, the common
lengths (for a set) were on the www.cebik.com website before L. B.
Cebik, W4RNL went SK, now I don't know.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34218. Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 13:41:55 UTC
From: Al Bonnyman
Topic: 34134 Message: 34218

How hard and expensive is it for new hams to build an antenna tuner for use at their transmitter for use with an unbalanced line?

How about a remote tuner? If I bury coax in plastic conduit out to the center of my yard to feed a dipole overhead, does it make more sense to power it off its own low voltage power line run in the conduit or to power it off DC on the coax jacket. I'm guessing it doesn't take much power to run something like a little DC motor to turn a variable capacitor.

I'd probably bury 100+ feet of coax out to the center of the yard then ladder-line from there to a wire antenna.

Al Bonnyman
KM4BYJ

Note: sent from my phone - typos likely

> On Sep 28, 2014, at 20:50, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> On 28 Sep 2014 at 16:40, 'jim burns' jfburns@... [ham-a wrote:
>
> > If anyone mentioned this I missed it.
>
> I think these things were implied, but not mentioned specifically.
>
> > The reason coax isn't good for high
> > SWR antennas is due to the fact that coax has a continuous dielectric
> > separating the inner conductor from the outer conductor (shield). All
> > dielectrics have a "dielectric coefficient" which essentially is how much RF
> > that dielectric will absorb and turn into heat. Air has a dielectric
> > coefficient of "1" and plastics have a dielectric coefficient of more than 1
> > and it varies with the particular plastic. All dielectrics will turn some
> > of the RF into heat at any SWR, at any power level and at any frequency.
> > The conversion of RF into heat increases with frequency and SWR and, of
> > course, more heat at higher power levels. Ladder line has air as the
> > dielectric with spacers (spreaders), usually plastic or sometimes wood,
> > spaced along the length of the line. The spacers make up such a small
> > percentage of the dielectric that you can essentially consider ladder line
> > as having air as the dielectric. At any SWR, ladder line is more efficient
> > than coax.
>
> Correct.
>
> > However, in the real world, coax losses at relatively low SWR
> > are acceptable especially when you consider that coax is readily available,
> > relatively inexpensive, has an impedance that matches the output of common

> > radios and many types of antennas both commercial and homebuilt, can be
> > routed without consideration of nearby metallic objects and is just plain
> > "handy" with many types of readily available connectors. Also, coax comes
> > in many flavors and using high quality coax of larger diameter with high
> > quality dielectric and keeping the coax run as short as possible minimizes
> > losses.
>
> Again, absolutely correct. Coax is just plain "handy". Ladder-line is very often
> VERY "un-handy".
>
> > Ladder line does have it's place in our hobby as it does allow many
> > types of antennas to be operated efficiently on many different bands of
> > frequencies where coax losses would make it's use impractical.
>
> Yes. Exactly.
>
> Trying to use coax with a NON-RESONANT antenna is VERY difficult.
>
> One must use all manner of strange methods, baluns, etc. to match a
> NON-resonant antenna to a transmitter if you try to use coax. In fact, I don't
> know of any method to use coax with a NON-resonant antenna which will
> work over more than one band at once.
>
> And due to the necessity of using these "strange" methods, there is usually
> far more loss in the coax feed-system than if one used ladder-line and a
> balanced impedance transformer (coupler).
>
> VSWR on ladder-line makes almost no practical difference whatever: VSWR
> on coax, makes a HUGE difference. High, and even HUGE VSWR on
> ladder-line exhibits no noticeable loss. Moderate VSWR on coax can exhibit
> substantial loss.
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> However, using ladder-line, and a balanced-coupler allows the average ham
> to use a NON-resonant antenna and achieve the same, or better, efficiencies
> as a resonant, properly built, coax-fed antenna could exhibit.
>
> As I have been trying to say for the past couple of days, the only real
> problem with non-resonant antennas vs resonant antennas is the problem of
> feeding them: transferring the RF from the transmitter to the antenna with
> minimal loss.
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> ALL the losses occur in the feed-system.
>
> Any "loss" that occurs in the properly-matched antenna itself is simply
> radiation of the RF, which is simply useful "work".
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> BOTH coax, AND ladder-line have their places, and where you can use one
> to good effect, it may be impossible or at least impractical to use the other.
>
> Ken W7EKB

>

34219. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 13:44:19 UTC
From: Al Bonnyman
Topic: 34134 Message: 34219

David,

Mostly I was asking this as a general question (I'm a new ham).

Initially I'm looking at burying 100-125 feet of coax to the middle of my backyard, then ladder line up to a wire antenna.

I have domestic concerns running ladder line all the way back to my back deck.

Al
KM4BYJ

> On Sep 28, 2014, at 12:37, David Gillooly david.gillooly@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> How much power will you be using and what is the length ot your transmission line (coax I assume)?
>
> David Gillooly
>
>
>> How bad are typical losses for baluns and tuners?
>>
>> Is there anything, loss-wise, that I should be aware of in buying, building or using them?
>>
>> Thanks,
>>
>> Al Bonnyman
>> KM4BYJ
>
>

34220. Re: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 13:47:39 UTC
From: Myron WVØH
Topic: 34134 Message: 34220

Al,

Well, it's not hard but there are some nuances that need attention. I liken it to replacing the water pump in a car, not hard once you know how but if you don't know how, it's considerably harder. But you are absolutely right, go for it. We will be here to guide you along the way of your journey. In fact if you choose quality components and correct design, it can be more efficient than some commercial offerings.

Myron WVØH
Printed on Recycled Data

> On Sep 29, 2014, at 7:41 AM, Al Bonnyman aabonnyman@fastmail.fm [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> How hard and expensive is it for new hams to build an antenna tuner for use at their transmitter for use with an unbalanced line?
>
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>> Ken W7EKB
>
>

34221. Cebik site Re: "Static" tuners at the antenna

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 13:50:48 UTC
From: Al Bonnyman
Topic: 34134 Message: 34221

Ron,

Thanks for the good idea. I like "simple".

Question for folks:
You have to pay for access to the Cebik site -- is it worth it?

Note that, while money's tight I've actually bought and read multiple books since I got sucked in this hobby in May. Learning, planning and figuring is interesting to me. I've learned it makes financial sense, too -- kind of like "measure twice, cut once."

Al Bonnyman
KM4BYJ

> On Sep 29, 2014, at 06:46, KA4INM radio ka4inm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Actually it is easier than that, you can simply add a (coiled) length
> of feedline to the output of your tuner for each BAND, the common
> lengths (for a set) were on the www.cebik.com website before L. B.
> Cebik, W4RNL went SK, now I don't know.

34222. RE: [ham-antennas] Conservation of Energy Re: Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 14:07:32 UTC
From: jim burns
Topic: 34134 Message: 34222

Thanks Ken !

That pretty much says it all.

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, September 28, 2014 8:50 PM
To: 'jim burns' jfburns@... [ham-antennas]
Subject: Re: [ham-antennas] Conservation of Energy Re: Antenna question

On 28 Sep 2014 at 16:40, 'jim burns' jfburns@... [ham-a wrote:

> If anyone mentioned this I missed it.

I think these things were implied, but not mentioned specifically.

> The reason coax isn't good for high
> SWR antennas is due to the fact that coax has a continuous dielectric
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> dielectrics have a "dielectric coefficient" which essentially is how much
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> that dielectric will absorb and turn into heat. Air has a dielectric
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> The conversion of RF into heat increases with frequency and SWR and, of
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> spaced along the length of the line. The spacers make up such a small
> percentage of the dielectric that you can essentially consider ladder line
> as having air as the dielectric. At any SWR, ladder line is more
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> than coax.

Correct.

> However, in the real world, coax losses at relatively low SWR
> are acceptable especially when you consider that coax is readily
available,
> relatively inexpensive, has an impedance that matches the output of common
> radios and many types of antennas both commercial and homebuilt, can be
> routed without consideration of nearby metallic objects and is just plain
> "handy" with many types of readily available connectors. Also, coax comes

> in many flavors and using high quality coax of larger diameter with high
> quality dielectric and keeping the coax run as short as possible minimizes
> losses.

Again, absolutely correct. Coax is just plain "handy". Ladder-line is very often
VERY "un-handy".

> Ladder line does have it's place in our hobby as it does allow many
> types of antennas to be operated efficiently on many different bands of
> frequencies where coax losses would make it's use impractical.

Yes. Exactly.

Trying to use coax with a NON-RESONANT antenna is VERY difficult.

One must use all manner of strange methods, baluns, etc. to match a NON-resonant antenna to a transmitter if you try to use coax. In fact, I don't
know of any method to use coax with a NON-resonant antenna which will work over more than one band at once.

And due to the necessity of using these "strange" methods, there is usually far more loss in the coax feed-system than if one used ladder-line and a balanced impedance transformer (coupler).

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However, using ladder-line, and a balanced-coupler allows the average ham to use a NON-resonant antenna and achieve the same, or better, efficiencies as a resonant, properly built, coax-fed antenna could exhibit.

As I have been trying to say for the past couple of days, the only real problem with non-resonant antennas vs resonant antennas is the problem of feeding them: transferring the RF from the transmitter to the antenna with minimal loss.

ALL the losses occur in the feed-system.

Any "loss" that occurs in the properly-matched antenna itself is simply radiation of the RF, which is simply useful "work".

BOTH coax, AND ladder-line have their places, and where you can use one to good effect, it may be impossible or at least impractical to use the other.

Ken W7EKB

34223. RE: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 14:42:15 UTC
From: Richard Schmuke
Topic: 34134 Message: 34223

It is simple to build if you have mechanical ability and a shop. I have no electronic brain power but a building background, retired tool maker / machinist and a small work shop. Buying all new parts can get very expensive, picking up stuff at hamfests makes it fun and cheap. I do know that having things out side can be a nightmare with condensation. My first baluns were not sealed/vented properly and developed moisture after a full season. I am lazy so I just put up a loop and use it.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 8:42 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Homebrew tuners Re: Conservation of Energy

How hard and expensive is it for new hams to build an antenna tuner for use at their transmitter for use with an unbalanced line?

How about a remote tuner? If I bury coax in plastic conduit out to the center of my yard to feed a dipole overhead, does it make more sense to power it off its own low voltage power line run in the conduit or to power it off DC on the coax jacket. I'm guessing it doesn't take much power to run something like a little DC motor to turn a variable capacitor.

I'd probably bury 100+ feet of coax out to the center of the yard then ladder-line from there to a wire antenna.

Al Bonnyman

KM4BYJ

Note: sent from my phone - typos likely

On Sep 28, 2014, at 20:50, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

On 28 Sep 2014 at 16:40, 'jim burns' jfburns@... [ham-a wrote:

> If anyone mentioned this I missed it.

I think these things were implied, but not mentioned specifically.

> The reason coax isn't good for high
> SWR antennas is due to the fact that coax has a continuous dielectric
> separating the inner conductor from the outer conductor (shield). All
> dielectrics have a "dielectric coefficient" which essentially is how much RF
> that dielectric will absorb and turn into heat. Air has a dielectric
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> of the RF into heat at any SWR, at any power level and at any frequency.

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> course, more heat at higher power levels. Ladder line has air as the
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> spaced along the length of the line. The spacers make up such a small
> percentage of the dielectric that you can essentially consider ladder line
> as having air as the dielectric. At any SWR, ladder line is more efficient
> than coax.

Correct.

> However, in the real world, coax losses at relatively low SWR
> are acceptable especially when you consider that coax is readily available,
> relatively inexpensive, has an impedance that matches the output of common
> radios and many types of antennas both commercial and homebuilt, can be
> routed without consideration of nearby metallic objects and is just plain
> "handy" with many types of readily available connectors. Also, coax comes
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BOTH coax, AND ladder-line have their places, and where you can use one to good effect, it may be impossible or at least impractical to use the other.

Ken W7EKB

[Non-text portions of this message have been removed]

34224. Re: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 14:58:43 UTC
From: Al Bonnyman
Topic: 34134 Message: 34224

Rich,

Thanks for the comments. That's useful information about condensation and moisture.

Unfortunately I don't have much of a machine shop (hacksaw, tin snips, hand-drill) and I'm not much of a machinist.

I do have a soldering iron, though.

Al
KM4BYJ

> On Sep 29, 2014, at 10:42, 'Richard Schmuke' rdj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> It is simple to build if you have mechanical ability and a shop. I have no electronic brain power but a building background, retired tool maker / machinist and a small work shop. Buying all new parts can get very expensive, picking up stuff at hamfests makes it fun and cheap. I do know that having things out side can be a nightmare with condensation. My first baluns were not sealed/vented properly and developed moisture after a full season. I am lazy so I just put up a loop and use it.
>
> Rich, Kd0zz
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Monday, September 29, 2014 8:42 AM
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Homebrew tuners Re: Conservation of Energy
>
> How hard and expensive is it for new hams to build an antenna tuner for use at their transmitter for use with an unbalanced line?
>
> How about a remote tuner? If I bury coax in plastic conduit out to the center of my yard to feed a dipole overhead, does it make more sense to power it off its own low voltage power line run in the conduit or to power it off DC on the coax jacket. I'm guessing it doesn't take much power to run something like a little DC motor to turn a variable capacitor.
>
> I'd probably bury 100+ feet of coax out to the center of the yard then ladder-line from there to a wire antenna.
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> Al Bonnyman
>
> KM4BYJ
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> Note: sent from my phone - typos likely

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> > percentage of the dielectric that you can essentially consider ladder line
> > as having air as the dielectric. At any SWR, ladder line is more efficient
> > than coax.
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> Correct.
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> > However, in the real world, coax losses at relatively low SWR
> > are acceptable especially when you consider that coax is readily available,
> > relatively inexpensive, has an impedance that matches the output of common
> > radios and many types of antennas both commercial and homebuilt, can be
> > routed without consideration of nearby metallic objects and is just plain
> > "handy" with many types of readily available connectors. Also, coax comes
> > in many flavors and using high quality coax of larger diameter with high
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> Again, absolutely correct. Coax is just plain "handy". Ladder-line is very often
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> > frequencies where coax losses would make it's use impractical.
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> Yes. Exactly.
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> Trying to use coax with a NON-RESONANT antenna is VERY difficult.
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>
> Ken W7EKB
>
> [Non-text portions of this message have been removed]
>
>

34225. Re: Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 15:06:25 UTC
From: david.gillooly@...
Topic: 34134 Message: 34225

Here is one remote tuner that would work for you. There are other manufacturers as well. You will need to check if they work at low power levels QRP/5 Watts (I didn't check!).

MFJ Enterprises Inc. http://www.mfjenterprises.com/Product.php?productid=MFJ-926B

MFJ Enterprises Inc. http://www.mfjenterprises.com/Product.php?productid=MFJ-926B MFJ-926B Automatic Antenna Tuner covers the entire HF band and will match a random wire or coax-fed antenna 1.8-30 MHz at a full 200 Watts SSB/CW. Matches impedances 6-1600 Ohms (SWR up to 32:1).

View on www.mfjenterprises.com
http://www.mfjenterprises.com/Product.php?productid=MFJ-926B
Preview by Yahoo

34226. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 15:17:39 UTC
From: david.gillooly@...
Topic: 34134 Message: 34226

Yes most tuners bought are very efficient plus by the time you buy all new components and pay shipping for them a home brew tuner isn't much cheaper if not more expensive.

At 160 meters they can be pretty bad but then how many hams really have the real estate for a proper 160 meter dipole or vertical. At 80 meters they aren't as efficient--certainly good though-- but for the 40 to 10 meter bands they are very good.

I suppose if one runs 100 watts a tuner built with bigger coils for 300 watts would give a few more % points of efficiency but I have never checked that assumption out.

34227. RE: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 15:51:21 UTC
From: Richard Schmuke
Topic: 34134 Message: 34227

No problem Al. You are on the right path. You sound like you know how to start, many don't. I have not built a tuner in many a year, I did do one for a field day long wire a couple of years ago. It was made open for display and show and tell for field day. Parts shown here,

http://i1102.photobucket.com/albums/g453/KD0ZZ/Tuner001.jpg

More junk thru out my album. Remote control is beyond me.

Rich, kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 9:59 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Rich,

Thanks for the comments. That's useful information about condensation and moisture.

Unfortunately I don't have much of a machine shop (hacksaw, tin snips, hand-drill) and I'm not much of a machinist.

I do have a soldering iron, though.

Al

KM4BYJ

On Sep 29, 2014, at 10:42, 'Richard Schmuke' rdj@wildblue.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

It is simple to build if you have mechanical ability and a shop. I have no electronic brain power but a building background, retired tool maker / machinist and a small work shop. Buying all new parts can get very expensive, picking up stuff at hamfests makes it fun and cheap. I do know that having things out side can be a nightmare with condensation. My first baluns were not sealed/vented properly and developed moisture after a full season. I am lazy so I just put up a loop and use it.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 8:42 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Homebrew tuners Re: Conservation of Energy

How hard and expensive is it for new hams to build an antenna tuner for use at their transmitter for use with an unbalanced line?

How about a remote tuner? If I bury coax in plastic conduit out to the center of my yard to feed a dipole overhead, does it make more sense to power it off its own low voltage power line run in the conduit or to power it off DC on the coax jacket. I'm guessing it doesn't take much power to run something like a little DC motor to turn a variable capacitor.

I'd probably bury 100+ feet of coax out to the center of the yard then ladder-line from there to a wire antenna.

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Note: sent from my phone - typos likely

On Sep 28, 2014, at 20:50, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@...m> wrote:

On 28 Sep 2014 at 16:40, 'jim burns' jfburns@... [ham-a wrote:

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I think these things were implied, but not mentioned specifically.

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Correct.

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> are acceptable especially when you consider that coax is readily available,
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Yes. Exactly.

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Ken W7EKB

[Non-text portions of this message have been removed]

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34228. Re: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 17:04:47 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34228

On 29 Sep 2014 at 9:41, Al Bonnyman aabonnyman@... [ham-a
wrote:

> How hard and expensive is it for new hams to build an antenna tuner for use at
> their transmitter for use with an unbalanced line?

Neither hard nor expensive IFF you 1) have the design, a schematic, of a good one, and 2) obtain the parts by careful shopping on eBay and/or at hamfests. Asking local hams for parts is also an excellent idea.

I have built several very good impedance transformers (antenna couplers), ranging from very simple to somewhat complex. I have never bought a single part for any of them which were from some commercial source: all the parts were "junque". The coupler I use every day, modeled after a Collins design, cost me a total of $5.00.

The variable rotary inductor is out of a WWII military transmitter, the two capacitors were given to me by hams, the SWR bridge is from an old CB SWR meter, the switches (very high voltage and heavy-duty) are out of a WWII BC-375 tuning unit, the verniers are also out of WWII BC-375 tuning units, the cabinet is an ex-military "open" box to which I bolted pieces of aluminum panel from a junk pile. The feet are from Radio Shack, the SO-239s are from old CB radios. Etc.

Many of the old military parts can be bought from Fair Radio Sales. They still have the switches, for instance.

Furthermore, I do not have a "machine shop", and not even a drill press. All I have ever had are small hand-tools.

> How about a remote tuner?

Again, building one from parts-available it can be done inexpensively. In my case, I am using an old satellite TV antenna "mover" to turn the variable inductor in my remote antenna tuner for my vertical so I can use it on 160 meters. I got the variable inductor on eBay. It is an old military job good for several KW and has silver-plated wire on it. I got it for about $10.00 plus shipping off eBay.

> If I bury coax in plastic conduit out to the center of
> my yard to feed a dipole overhead, does it make more sense to power it off its
> own low voltage power line run in the conduit or to power it off DC on the coax
> jacket.

Not the jacket alone: both the jacket and the center-conductor too. Since you are operating at QRP power levels, or even up to 100 watts, you can very easily build a "multiplexer" to multiplex DC control voltages on the same coax

you are using for the RF.

> I'm guessing it doesn't take much power to run something like a little
> DC motor to turn a variable capacitor.

True. You can even use a computer-type "stepper motor" and gear box.

> I'd probably bury 100+ feet of coax out to the center of the yard then
> ladder-line from there to a wire antenna.

How far is it from where the coax will end to the antenna?

The reason I ask is that it seems to me that matching the coax to the ladder-line might be more complex than it is worth.

I am also trying to visualize why you need to run 100 feet of coax to your antenna? Can you not install the antenna closer to where your transmitter is installed? Reducing the length of the run of coax would be a major help to achieveing greater output power and reduced attenuation of received signals, IMHO.

As I have repeatedly said, as far as ham radio is concerned, I practically live by the KISS principle: in the long run, it is considerably cheaper, money-wise.

Also, 100 feet of even RG-8 is going to exhibit substantial loss at frequencies above 14 MHz, IMHO...but I could be wrong.

At QRP power levels, we must conserve every picowatt we can.

Ken W7EKB

34229. Toroids for high-power homebrew balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 17:55:25 UTC
From: wa1rkt@...
Topic: 34229 Message: 34229

Anybody have any suggestions for the best place to buy toroids for a high-power balun?

(I know I can google it... looking for places where members here have had the best results.)

Thanks...

Rick WA1RKT

34230. Enclosure for high-power balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 17:56:13 UTC
From: wa1rkt@...
Topic: 34230 Message: 34230

Anybody have any suggestions for the best place to buy an enclosure for a high-power balun, similar to what Balun Designs uses?

Thanks...

Rick WA1RKT

34231. RE: [ham-antennas] Toroids for high-power homebrew balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 18:17:50 UTC
From: Scott Myers
Topic: 34229 Message: 34231

The basic type that Balun Designs uses is type 31 2.4" OD; similar to Fair-Rite 2631803802.

Kreger stocks them.

http://www.kregercomponents.com/fair-rite-products/2631803802

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 1:55 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Toroids for high-power homebrew balun

Anybody have any suggestions for the best place to buy toroids for a high-power balun?

(I know I can google it... looking for places where members here have had the best results.)

Thanks...

Rick WA1RKT

34232. Re: Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 18:31:21 UTC
From: A
Topic: 34134 Message: 34232

AL, welcome to the Ranks, i just got into it after being away too many years, long story , busy life. Hay you are not alone, and you do not have to spend your whole Soc Sec Check to make this happen, i bought a really good used Tuner , but yah know many Hams do not even use them, they just use what they got - like a mono band Dipole or inverted V cut for Band you are active in . Or a Fan dipole which many enjoy - if you have room then put up a long loop like i am studying on now , some will resonate on multiple bands like a 40 /20 80/40 etc . i met a fellow on the band the other day that has a wire beam on 40 meters ! Wow what a signal, loop might be a little easier , there are many reasonable solutions and as you ask and read , then you will formulate the best way . Keep in mind the more connections , tuners etc you put in the way they will take up efficiency , some will disagree that a tuner will enhance , but making my Xcvr happy does not mean i am
pushing up all my watts into the antenna, so it is a trade sometimes - that you have to think about - the best part of this hobby is Experimenting - you will get the most satisfaction from a QSO with something you are using that you built ! 73s, and keep on going , you are on the right track, AJ W5HEH

34233. RE: [ham-antennas] Enclosure for high-power balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 18:42:51 UTC
From: Richard Schmuke
Topic: 34230 Message: 34233

I buy mine at Home Depot, Lowes or Menards in the electrical department. Here is a picture

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

The lid has a rubber gasket for complete protection. They also have the SS eyebolts and hardware. Be sure a put a small vent hole in the bottom or leave one 6-32 bolt out of the SO-239 for a vent.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 12:56 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Enclosure for high-power balun

Anybody have any suggestions for the best place to buy an enclosure for a high-power balun, similar to what Balun Designs uses?

Thanks...

Rick WA1RKT

[Non-text portions of this message have been removed]

34234. RE: [ham-antennas] Enclosure for high-power balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 18:58:38 UTC
From: Dave
Topic: 34230 Message: 34234

Great looking job there, Rich - WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 1:43 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Enclosure for high-power balun

I buy mine at Home Depot, Lowes or Menards in the electrical department. Here is a picture

http://i1102.photobucket.com/albums/g453/KD0ZZ/NewBalun.jpg

The lid has a rubber gasket for complete protection. They also have the SS eyebolts and hardware. Be sure a put a small vent hole in the bottom or leave one 6-32 bolt out of the SO-239 for a vent.

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 12:56 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Enclosure for high-power balun

Anybody have any suggestions for the best place to buy an enclosure for a high-power balun, similar to what Balun Designs uses?

Thanks...

Rick WA1RKT

[Non-text portions of this message have been removed]

34235. Re: [ham-antennas] Re: Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 19:05:01 UTC
From: Joe
Topic: 34134 Message: 34235
Attachments: 3 described; binary payloads are missing from this source WARC

A Tuner can be the best first timer homebrew project.
This one below I made for a whopping 1 dollar. Well maybe a little more.

The Box is the proverbial all steel painted "Bread Box" I do not even
know if they make bread boxes anymore?
Anyway I got that one at a garage/yard sale for a buck.

The insides I got at a hamfest. They were in a box of old junk that was
like 2 feet by 2 feet by 1 foot in size a whole bunch of stuff for 5 bucks.
In the junk was an awesome roller inductor. and two caps, one wide
spaced and a differential one. here is the insides.

A pair of relays and a switch to make a by pass path, amd wham bam a tuner.

I have yet to find a match that it would not make absolutely flat 160
thru 10 meters. and have even ran legal limit power through it too with
no problems.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 9/29/2014 1:31 PM, A email4utoo@... [ham-antennas] wrote:
> AL, welcome to the Ranks, i just got into it after being away too many years, long story
, busy life. Hay you are not alone, and you do not have to spend your whole Soc Sec Check
to make this happen, i bought a really good used Tuner , but yah know many Hams do not even
use them, they just use what they got - like a mono band Dipole or inverted V cut for Band
you are active in . Or a Fan dipole which many enjoy - if you have room then put up a long
loop like i am studying on now , some will resonate on multiple bands like a 40 /20 80/40
etc . i met a fellow on the band the other day that has a wire beam on 40 meters ! Wow what
a signal, loop might be a little easier , there are many reasonable solutions and as you
ask and read , then you will formulate the best way . Keep in mind the more connections ,
tuners etc you put in the way they will take up efficiency , some will disagree that a
tuner will enhance , but making my Xcvr happy does not mean i am
> pushing up all my watts into the antenna, so it is a trade sometimes - that you have to
think about - the best part of this hobby is Experimenting - you will get the most
satisfaction from a QSO with something you are using that you built ! 73s, and keep on
going , you are on the right track, AJ W5HEH
>
>
> ------------------------------------
> Posted by: A <email4utoo@...>
> ------------------------------------

>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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>

34236. Re: Homebrew tuners

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 19:38:06 UTC
From: enkitec@...
Topic: 34134 Message: 34236

Here is an excellent tuner with only two adjustments:

http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm

I built one and it works 100% !

73,
Mark Jordan PY3SS

On 29-Sep-14 16:05, Joe nss@... [ham-antennas] wrote:
>
> A Tuner can be the best first timer homebrew project.
> This one below I made for a whopping 1 dollar. Well maybe a little more.
>
> The Box is the proverbial all steel painted "Bread Box" I do not even
> know if they make bread boxes anymore?
> Anyway I got that one at a garage/yard sale for a buck.
>
> The insides I got at a hamfest. They were in a box of old junk that
> was like 2 feet by 2 feet by 1 foot in size a whole bunch of stuff for
> 5 bucks.
> In the junk was an awesome roller inductor. and two caps, one wide
> spaced and a differential one. here is the insides.
>
> A pair of relays and a switch to make a by pass path, amd wham bam a
> tuner.
>
> I have yet to find a match that it would not make absolutely flat 160
> thru 10 meters. and have even ran legal limit power through it too
> with no problems.
>
> Joe WB9SBD
> S

34237. Re: [ham-antennas] Re: Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 19:42:29 UTC
From: Al Bonnyman
Topic: 34134 Message: 34237

Based on replies I'm seeing, my sense is that for a simple manual tuner:

• you need 2 big variable capacitors and one big variable inductor.

• These things are expensive but last almost forever

• You scrounge junk at handsets that contains this stuff

• You scavenge the parts, figure out what their values are, then design a tuner around those values.

• Extra points for an aesthetically pleasing or bizarre recycled enclosure.

Am I missing something?

Al
KM4BYJ

P.S., thanks for everyone's help.

34238. Re: [ham-antennas] Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 20:06:26 UTC
From: Al Bonnyman
Topic: 34134 Message: 34238

Ken made a number of good points then raised this question:

> On Sep 29, 2014, at 13:04, 'Kenneth G. Gordon' kgordon2006@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I am also trying to visualize why you need to run 100 feet of coax to your
> antenna? Can you not install the antenna closer to where your transmitter is
> installed? Reducing the length of the run of coax would be a major help to
> achieveing greater output power and reduced attenuation of received
> signals, IMHO.

The way the various trees are arranged in my backyard, however I string up dipoles between them (NE-SW, NW-SE, N-S), the mid-point is always in about the same location over my yard. That same spot is also the best spot for a vertical if I put one up some day.

My thinking is to run coax underground to there, then ladder line up to my dipole.

Ladder line from there back to my house is more efficient but much higher-profile, looks-wise -- a factor in my environment.

While I'm doing a lot on the cheap, I'm willing to spend a bit more on long-term infrastructure: plastic conduit (which I may be able to get free from friends in the fiber business), lower loss coax, good safe grounding and lightning protection. I'm spending more on my grounding and lightning arrester than my first little QRP transceiver (about $ 150).

Al
KM4BYJ

P.S., I've made a living off and on from lightning damage -- selling and consulting about specialized test equipment and optical groundwire to power utilities over the years. As a result I am both thankful for and wary of lightning!

34239. RE: [ham-antennas] Enclosure for high-power balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 20:06:37 UTC
From: Richard Schmuke
Topic: 34230 Message: 34239

Please note, my reply was about the box, the balun in the picture is for 20m thru 6M, made with some 10mm dia rods, for a 160m to 40m balun I use 1/2" rods, here is a view of those parts and shows the lid with gasket. It takes a few more windings when you want 160.

http://i1102.photobucket.com/albums/g453/KD0ZZ/160%20Loop/35MHzbalun004_zpsf1c828aa.jpg

Rich, Kd0zz

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 1:59 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Enclosure for high-power balun

Great looking job there, Rich - WØDR

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 1:43 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Enclosure for high-power balun

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The lid has a rubber gasket for complete protection. They also have the SS eyebolts and hardware. Be sure a put a small vent hole in the bottom or leave one 6-32 bolt out of the SO-239 for a vent.

Rich, Kd0zz

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Sent: Monday, September 29, 2014 12:56 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Enclosure for high-power balun

Anybody have any suggestions for the best place to buy an enclosure for a high-power balun, similar to what Balun Designs uses?

Thanks...

Rick WA1RKT

[Non-text portions of this message have been removed]

[Non-text portions of this message have been removed]

34240. Re: [ham-antennas] Toroids for high-power homebrew balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 21:14:32 UTC
From: Geoff NW7GM
Topic: 34229 Message: 34240

I just recently bought some toroids from amidon http://www.amidoncorp.com/

On Monday, September 29, 2014, 'Scott Myers' ac8de@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> The basic type that Balun Designs uses is type 31 2.4" OD; similar to
> Fair-Rite 2631803802.
>
>
>
> Kreger stocks them.
>
> http://www.kregercomponents.com/fair-rite-products/2631803802
>
>
>
> 73,
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>]
> *Sent:* Monday, September 29, 2014 1:55 PM
> *To:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Subject:* [ham-antennas] Toroids for high-power homebrew balun
>
>
>
>
>
> Anybody have any suggestions for the best place to buy toroids for a
> high-power balun?
>
> (I know I can google it... looking for places where members here have had
> the best results.)
>
> Thanks...
>

> Rick WA1RKT
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

34241. Re: [ham-antennas] Toroids for high-power homebrew balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 21:27:34 UTC
From: enkitec@...
Topic: 34229 Message: 34241

http://www.kitsandparts.com/toroids.php

Mark Jordan, PY3SS

On 29-Sep-14 18:14, Geoff NW7GM geoff.nw7gm@... [ham-antennas] wrote:
> I just recently bought some toroids from amidon http://www.amidoncorp.com/
>
> On Monday, September 29, 2014, 'Scott Myers' ac8de@...
> <mailto:ac8de@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> The basic type that Balun Designs uses is type 31 2.4" OD; similar
> to Fair-Rite 2631803802.
>
> Kreger stocks them.
>
> http://www.kregercomponents.com/fair-rite-products/2631803802
>
> 73,
>
> Scott AC8DE
>
>
> *From:*ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> [mailto:ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>]
> *Sent:* Monday, September 29, 2014 1:55 PM
> *To:* ham-antennas@yahoogroups.com
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> *Subject:* [ham-antennas] Toroids for high-power homebrew balun
>
> Anybody have any suggestions for the best place to buy toroids
> for a high-power balun?
>
> (I know I can google it... looking for places where members here
> have had the best results.)
>
> Thanks...
>
> Rick WA1RKT
>
>
>

> --
> Geoff, NW7GM
> Seattle, WA
> CN87tr
>

34242. Re: [ham-antennas] Re: Homebrew tuners

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 22:23:27 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34242

On 29 Sep 2014 at 14:05, Joe nss@... [ham-antennas] wrote:

> The insides I got at a hamfest. They were in a box of old junk that was like 2
> feet by 2 feet by 1 foot in size a whole bunch of stuff for 5 bucks. In the junk
> was an awesome roller inductor.

That roller inductor is exactly the same as the one I use in my "daily driver".

> and two caps, one wide spaced and a
> differential one.

That cap is not a "differential" cap, Joe: it is a "split stator".

In the split-stator cap, both sections increase or decrease capacitance
together as the shaft is turned

A differential cap has two sections also, but when the shaft is turned one
section DECREASES capacitance while, simultaneously, the other section
INCREASES capacitance.

BTW, nice job on the tuner, Joe. :-)

Ken W7EKB

34243. Re: [ham-antennas] Re: Homebrew tuners

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 23:05:28 UTC
From: Joe
Topic: 34134 Message: 34243
Attachments: 1 described; binary payloads are missing from this source WARC

Thats right on the cap. Not a differential. Even tho I have one of those. I got the guts of a Viking KW matchbox. Now those are some bread slicers!!!

Has anyone modded one of these? To make it more steps on the giant inductor? While I have the guts. it's missing the bandswitch. But you can see where all the taps went. I wonder if it could be tapped even more often? and with what to do the tapping/switching?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 9/29/2014 5:23 PM, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
> On 29 Sep 2014 at 14:05, Joe nss@... [ham-antennas] wrote:
>
>> The insides I got at a hamfest. They were in a box of old junk that was like 2
>> feet by 2 feet by 1 foot in size a whole bunch of stuff for 5 bucks. In the junk
>> was an awesome roller inductor.
> That roller inductor is exactly the same as the one I use in my "daily driver".
>
>> and two caps, one wide spaced and a
>> differential one.
> That cap is not a "differential" cap, Joe: it is a "split stator".
>
> In the split-stator cap, both sections increase or decrease capacitance
> together as the shaft is turned
>
> A differential cap has two sections also, but when the shaft is turned one
> section DECREASES capacitance while, simultaneously, the other section
> INCREASES capacitance.
>
> BTW, nice job on the tuner, Joe. :-)
>
> Ken W7EKB
>
>
> ------------------------------------
> Posted by: "Kenneth G. Gordon" <kgordon2006@...>
> ------------------------------------
>

> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
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> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
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34244. RE: [ham-antennas] Re: Homebrew tuners Re: Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 23:05:59 UTC
From: jim burns
Topic: 34134 Message: 34244

Now THAT is a tuner ! Cool !!! With a big mismatch you could cook a roast
!

Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, September 29, 2014 3:05 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Homebrew tuners Re: Conservation of Energy

A Tuner can be the best first timer homebrew project.
This one below I made for a whopping 1 dollar. Well maybe a little more.

The Box is the proverbial all steel painted "Bread Box" I do not even know
if they make bread boxes anymore?
Anyway I got that one at a garage/yard sale for a buck.

The insides I got at a hamfest. They were in a box of old junk that was like
2 feet by 2 feet by 1 foot in size a whole bunch of stuff for 5 bucks.
In the junk was an awesome roller inductor. and two caps, one wide spaced
and a differential one. here is the insides.

A pair of relays and a switch to make a by pass path, amd wham bam a tuner.

I have yet to find a match that it would not make absolutely flat 160 thru
10 meters. and have even ran legal limit power through it too with no
problems.

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
<http://www.idle-tyme.com> http://www.idle-tyme.com

On 9/29/2014 1:31 PM, A email4utoo@... [ham-antennas] wrote:

AL, welcome to the Ranks, i just got into it after being away too many
years, long story , busy life. Hay you are not alone, and you do not have to
spend your whole Soc Sec Check to make this happen, i bought a really good
used Tuner , but yah know many Hams do not even use them, they just use what
they got - like a mono band Dipole or inverted V cut for Band you are active
in . Or a Fan dipole which many enjoy - if you have room then put up a long
loop like i am studying on now , some will resonate on multiple bands like a
40 /20 80/40 etc . i met a fellow on the band the other day that has a wire
beam on 40 meters ! Wow what a signal, loop might be a little easier , there

are many reasonable solutions and as you ask and read , then you will formulate the best way . Keep in mind the more connections , tuners etc you put in the way they will take up efficiency , some will disagree that a tuner will enhance , but making my Xcvr happy does not mean i am pushing up all my watts into the antenna, so it is a trade sometimes - that you have to think about - the best part of this hobby is Experimenting - you will get the most satisfaction from a QSO with something you are using that you built ! 73s, and keep on going , you are on the right track, AJ W5HEH

Posted by: A <mailto:email4utoo@...> <email4utoo@...>

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Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

34245. Re: [ham-antennas] Re: Homebrew tuners

Yahoo group: ham-antennas (2014)
Date: 2014-09-29 23:46:51 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34245

On 29 Sep 2014 at 18:05, Joe nss@... [ham-antennas] wrote:

> Thats right on the cap. Not a differential. Even tho I have one of those. I
> got the guts of a Viking KW matchbox. Now those are some bread slicers!!!

Yup! :-)

> Has anyone modded one of these? To make it more steps on the giant inductor?
> While I have the guts. it's missing the bandswitch. But you can see where all
> the taps went. I wonder if it could be tapped even more often? and with what to
> do the tapping/switching?

Well, I would use a couple of these:

https://www.fairradio.com/catalog.php?mode=viewitem&item=4490

These are HUGE, have dime-sized silver contacts, and although they were made for the BC-375 100 watt (if you were lucky) output transmitter which were used in WWII bombers like the B-17, they are also rated for 30,000 feet.

They also have (almost) a screen-door spring on the detent which takes several pounds of pressure to move. They ain't gonna move on their own.

I use one of these in my coupler to add capacitance to the "Loading" capacitor.

If you "series" the switchs up, you can switch, 6, 11, 17, 23, and more taps on your inductor. although that would take a switch for every 5 taps..

Ken W7EKB

34246. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 00:18:59 UTC
From: Alex Netherton
Topic: 34134 Message: 34246

-How bad are typical losses for baluns and tuners?

Is there anything, loss-wise, that I should be aware of in buying, building or using them?-

According to some, horrible, and only resonant antennas should be used. According to others, negligible, and don't worry. It may balance out between them. I have used balanced wire antennas for years, and do quite nicely, cracking pileups regularly. I heard an older Ham last week reporting that with a G5RV, that the power loss was about 95% in the wire and the tuner, saying the tuner ate up a lot, and the coax some more. He said we were getting about 5 watts out on a G5RV we had strung up for a test. I sort of disagree. I cannot see Lewis Varney going to years of trouble to make that inefficient an antenna.

Yes, a balun has some losses. You have to induce a current/voltage in the ferrite, air, or whatever you have it wound on. This heats up the ferrite/air, and some power is lost. A long run of coax with a significant mismatch eats up more power. Some of this can be countered with antenna placement, orientation, or feed line.

I just don't think the losses are that extreme. I think you will find that your signal reports will be little different from a similar dipole or resonant vertical.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Sun, Sep 28, 2014 at 12:34 PM, Al Bonnyman aabonnyman@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> How bad are typical losses for baluns and tuners?
>
> Is there anything, loss-wise, that I should be aware of in buying,
> building or using them?
>
> Thanks,
>
> Al Bonnyman

> KM4BYJ
>
>
>

34247. Re: Antenna tuner and balun losses Re: [ham-antennas] Conservation of Energy

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 00:31:34 UTC
From: Kenneth G. Gordon
Topic: 34134 Message: 34247

On 29 Sep 2014 at 20:18, Alex Netherton anetherton@... [ham-
wrote:

> -How bad are typical losses for baluns and tuners?

It depends: on the balun and tuner. Some can be really bad. Most are
"reasonable".

> Is there anything, loss-wise, that I should be aware of in buying, building or
> using them?

For tuners, bigger components are usually better.

> I just don't think the losses are that extreme.

Again, it depends: I agree with you when the balun and/or tuner is properly
designed and built.

>I think you will find that your
> signal reports will be little different from a similar dipole or resonant
> vertical.

Well, as an example, the same tuner I use with my 55' vertical to tune it on
all bands, including WARC bands for use with my 600 watt output linear
amp, does just as well with my 250 mW output SMK-1.

Using the SMK-1 on 40 meters, I have worked up and down the entire west
coast from Idaho, and even into Texas where I worked another SMK-1

The SMK-1, for those who don't know, is a 40 meter CW transceiver which is
slightly smaller than a pack of cigarettes. Output is "around" 250 mW (that's
about 1 quarter of a watt).

I routinely use my antenna coupler with an AN/GRC-109 military
transmitter/receiver. The transmitter outputs "around" 15 watts on some
frequencies and is crystal-controlled. I've worked 35 countries with that
through my antenna coupler.

If the losses are significant, I never know it.

Ken W7EKB

34248. Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 01:01:25 UTC
From: wayne58@...
Topic: 34248 Message: 34248

I am on the 8`th floor of a 10 story hi-rise and I have a75m. ham-stick and an MFJ multi-band antenna. I am using an antenna analyzer and can not get either antenna down to a reasonable SWR. I checked the coax for shorts and water and seems ok. I`ve taken emery cloth and wiped the coil on coil on the MFJ balcony antenna still no luck. I was told the balcony railing which is 30 ft. long and 6 ft. wide with steel panels would serve as a good ground plain. Also was told to ground my system to the hot water heating pipe with a good ground clamp. That I haven`t done as I am handicapped and can`t get down on the floor do to hip and leg injuries. I have a FT-897- d and the FC-30 tuner.
Any suggestions would be greatfully appreciated. I use an FT-857D unit in my car and a Little Toeheel with no problems.

`73
VE3JET

34249. Re: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 01:21:39 UTC
From: Van Lincoln
Topic: 34248 Message: 34249

you might try a <http://www.hamcity.com/store/pc/MFJ-931-p185.htm>

MFJ-931<http://www.hamcity.com/store/pc/MFJ-931-p185.htm>
$94.95 - 1.8-30MHz HF Artificial Ground read eham

Description: Resonates a random length wire
counterpoise and produces a tuned artificial RF
ground or places a far away RF ground at the
station equipment by tuning out ground lead reactance.

http://www.eham.net/reviews/detail/2118

, but it's more knobs to turn in the shack....
Van wd8aam

At 01:01 9/30/2014, you wrote:

>I am on the 8`th floor of a 10 story hi-rise and
>I have a75m. ham-stick and an MFJ multi-band
>antenna. I am using an antenna analyzer and can
>not get either antenna down to a reasonable
>SWR. I checked the coax for shorts and water
>and seems ok. I`ve taken emery cloth and wiped
>the coil on coil on the MFJ balcony antenna
>still no luck. I was told the balcony railing
>which is 30 ft. long and 6 ft. wide with steel
>panels would serve as a good ground plain. Also
>was told to ground my system to the hot water
>heating pipe with a good ground clamp. That I
>haven`t done as I am handicapped and can`t get
>down on the floor do to hip and leg injuries. I
>have a FT-897- d and the FC-30 tuner.
>
>Any suggestions would be
>greatfully appreciated. I use an FT-857D unit
>in my car and a Little Toeheel with no problems.
>
>
>`73
>
>VE3JET
>
>
>

34250. RE: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 01:47:35 UTC
From: Dan
Topic: 34248 Message: 34250

I live on the 15th floor of a 17 floor hi-rise. I used the MFJ window mount multi-band when I first set up my station here but was never able to achieve reasonable SWR except on 20m. I then switched to a vertical end fed wire with 9:1 balun. I was unable to get any reasonable SWR until I used a pole to move it about 5 foot from the side of the building. My building is reinforced concrete so I suspect the long wire was coupling with the reinforcement in the concrete.

I also tried the MFJ artificial ground and found it did nothing more than just using 4 random length wires for counter poise.

With my current arrangement and an external antenna tuner, I am able to work 80-10m with SWR of less than 1.5 and usually 1.1.

Good luck.

73, Dan 9V1DB

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, September 30, 2014 9:01 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

I am on the 8`th floor of a 10 story hi-rise and I have a75m. ham-stick and an MFJ multi-band antenna. I am using an antenna analyzer and can not get either antenna down to a reasonable SWR. I checked the coax for shorts and water and seems ok. I`ve taken emery cloth and wiped the coil on coil on the MFJ balcony antenna still no luck. I was told the balcony railing which is 30 ft. long and 6 ft. wide with steel panels would serve as a good ground plain. Also was told to ground my system to the hot water heating pipe with a good ground clamp. That I haven`t done as I am handicapped and can`t get down on the floor do to hip and leg injuries. I have a FT-897- d and the FC-30 tuner.

Any suggestions would be greatfully appreciated. I use an FT-857D unit in my car and a Little Toeheel with no problems.

`73

VE3JET

34251. RE: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 03:58:29 UTC
From: Alex Netherton
Topic: 34248 Message: 34251

Cold water pipe not hot. Keep working on it! 73
On Sep 29, 2014 9:47 PM, "Dan ttexan@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I live on the 15th floor of a 17 floor hi-rise. I used the MFJ window
> mount multi-band when I first set up my station here but was never able to
> achieve reasonable SWR except on 20m. I then switched to a vertical end
> fed wire with 9:1 balun. I was unable to get any reasonable SWR until I
> used a pole to move it about 5 foot from the side of the building. My
> building is reinforced concrete so I suspect the long wire was coupling
> with the reinforcement in the concrete.
>
>
>
> I also tried the MFJ artificial ground and found it did nothing more than
> just using 4 random length wires for counter poise.
>
>
>
> With my current arrangement and an external antenna tuner, I am able to
> work 80-10m with SWR of less than 1.5 and usually 1.1.
>
>
>
> Good luck.
>
>
>
> 73, Dan 9V1DB
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Tuesday, September 30, 2014 9:01 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Help: I can not get my balcony antennas to
> resonate without hi-Swr
>
>
>
>

>
> I am on the 8`th floor of a 10 story hi-rise and I have a75m. ham-stick
> and an MFJ multi-band antenna. I am using an antenna analyzer and can not
> get either antenna down to a reasonable SWR. I checked the coax for shorts
> and water and seems ok. I`ve taken emery cloth and wiped the coil on coil
> on the MFJ balcony antenna still no luck. I was told the balcony railing
> which is 30 ft. long and 6 ft. wide with steel panels would serve as a good
> ground plain. Also was told to ground my system to the hot water heating
> pipe with a good ground clamp. That I haven`t done as I am handicapped and
> can`t get down on the floor do to hip and leg injuries. I have a FT-897- d
> and the FC-30 tuner.
>
> Any suggestions would be greatfully appreciated. I use an FT-857D unit in
> my car and a Little Toeheel with no problems.
>
>
>
> `73
>
> VE3JET
>
>
>

34252. RE: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 13:19:31 UTC
From: glene77is@...
Topic: 34248 Message: 34252

Dan 9V1DB

Concrete is conductive, and may bring the RF ground reference close to your antenna.
So, you moved your antenna away from the concrete building ?
... Good Thinking.
.
NEC requires GFCI protection for receptical circuits over concrete floors, in general practice.

Rebar, embedded into Concrete is allowed as a Grounding method for my electric services.
Sitting on concrete, and making continuity traces of multiple circuits ,
making use of a ground return,
will give erroneous readings
depending on how sweaty your pants are.

Glen Ellis, KK4LPG

34253. A refresher for some, new for others

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 13:40:56 UTC
From: Myron WVØH
Topic: 34253 Message: 34253

I found a great tutorial about impedance matching and wanted to share.

http://www.qsl.net/va3iul/Impedance_Matching/Impedance_Matching.pdf

The take away from this document is that every antenna can be reduced to an RLC circuit in which can be matched to your transmitter in some way, this documents presents the basic tools necessary to do so.

Myron WVØH
Printed on Recycled Data

34254. Re: [ham-antennas] A refresher for some, new for others

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 14:23:44 UTC
From: Pete D
Topic: 34253 Message: 34254

About 20yrs ago, I wanted to built a 1/2w 6M ant... I found a prg. at
the time
that would match any Imp. with a LC network.. I used 2000 or 2500 ohms as
the load and 50 ohms as the source.. For the test, I used a piece of
hard line,
hooked to the shield, and built the small network.. The ant. analyzer
showed
it very resonate with in the 6m band..

I didn't do any tuning it was more of a proof of concept..

Here's a link to a web based LC IMP Matching network designer panel.
There are also lots of other great tools on that page..

-73, Pete N2MCI

On 9/30/2014 9:40 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
> I found a great tutorial about impedance matching and wanted to share.
>
> http://www.qsl.net/va3iul/Impedance_Matching/Impedance_Matching.pdf
>
> The take away from this document is that every antenna can be reduced
> to an RLC circuit in which can be matched to your transmitter in some
> way, this documents presents the basic tools necessary to do so.
>
> Myron WVØH
> Printed on Recycled Data
>

34255. Consensus for "best" 4:1 high power current balun design?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 14:24:48 UTC
From: wa1rkt@...
Topic: 34255 Message: 34255

Just wondering if there is any kind of consensus for the "best" 4:1 legal-limit current balun design for ladder line center fed dipoles, taking into account bandwidth, efficiency, power handling capability, and choking action.

If an article exists detailing how to build such a beast, mainly the proper way to wind the coil(s) (I'm sure there is at least one proper way and more than one improper way), that would be really helpful. I have googled and found many such articles but they are all different and in some cases mutually contradictory.

I've been a ham for 50 years this July and have done lots and lots of antenna building but, oddly enough, have never built a balun from scratch.

Thanks...

Rick WA1RKT

34256. Baluns designed for certain impedance, what if impedance is vastly different?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 14:38:51 UTC
From: wa1rkt@...
Topic: 34256 Message: 34256

Most of the balun spec sheets I have seen, from Balun Designs (my favorite these days) and others, specify power handling capability in terms of being properly matched. In other words, if you're using a 4:1 balun, they expect you to connect 200 or 300 ohms on one side and 50 or 75 ohms on the other side, and usually warn that the rated power handing capability for the balun is contingent upon keeping within those limits.

Makes sense... but what if you're using a ladder-line-fed dipole as a multiband antenna with impedances that vary all over the map both in magnitude and in phase angle? You could have an impedance of 2000+j200 that gets converted to 500+j50 with the balun, and your tuner takes care of the rest. How can you know what's going on inside your balun under those conditions? Is there a design that has a reasonable chance of working correctly at the legal limit with antennas of any reasonable impedance?

When I say "multiband antenna with impedances that vary all over the map", that's not really something that's fixable by careful pruning of the antenna, taking into account the harmonic relationship of most ham bands... I do a lot of operating on CAP and MARS frequencies that are somewhat distant from any ham band and so the antenna and balun really do need to handle any reasonable frequency (yes, I'm aware of the need to avoid certain feedline lengths depending on frequency).

Thanks...

Rick WA1RKT

34257. Re: [ham-antennas] Baluns designed for certain impedance, what if impedance is vastly different?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 15:29:58 UTC
From: Don Sanders
Topic: 34256 Message: 34257

Use a balun rated for 2 to 3 KW with 100 to 500 watts usually will be sufficient for the doublet and parallel feedline. Perhaps more power but I have not tested it as My SB200 does not give me that output.

Dr. Don W4BWS

On Tue, Sep 30, 2014 at 9:38 AM, wa1rkt@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Most of the balun spec sheets I have seen, from Balun Designs (my favorite
> these days) and others, specify power handling capability in terms of being
> properly matched. In other words, if you're using a 4:1 balun, they expect
> you to connect 200 or 300 ohms on one side and 50 or 75 ohms on the other
> side, and usually warn that the rated power handing capability for the
> balun is contingent upon keeping within those limits.
>
> Makes sense... but what if you're using a ladder-line-fed dipole as a
> multiband antenna with impedances that vary all over the map both in
> magnitude and in phase angle? You could have an impedance of 2000+j200
> that gets converted to 500+j50 with the balun, and your tuner takes care of
> the rest. How can you know what's going on inside your balun under those
> conditions? Is there a design that has a reasonable chance of working
> correctly at the legal limit with antennas of any reasonable impedance?
>
> When I say "multiband antenna with impedances that vary all over the map",
> that's not really something that's fixable by careful pruning of the
> antenna, taking into account the harmonic relationship of most ham bands...
> I do a lot of operating on CAP and MARS frequencies that are somewhat
> distant from any ham band and so the antenna and balun really do need to
> handle any reasonable frequency (yes, I'm aware of the need to avoid
> certain feedline lengths depending on frequency).
>
> Thanks...
>
> Rick WA1RKT
>
>

34258. Re: [ham-antennas] Baluns designed for certain impedance, what if impedance is vastly different?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 15:46:41 UTC
From: Myron WVØH
Topic: 34256 Message: 34258

Don,

That won't take care of the loss. It's still there.

Myron WVØH
Printed on Recycled Data

> On Sep 30, 2014, at 9:29 AM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Use a balun rated for 2 to 3 KW with 100 to 500 watts usually will be sufficient for the doublet and parallel feedline. Perhaps more power but I have not tested it as My SB200 does not give me that output.
>
> Dr. Don W4BWS
>
>> On Tue, Sep 30, 2014 at 9:38 AM, wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> Most of the balun spec sheets I have seen, from Balun Designs (my favorite these days) and others, specify power handling capability in terms of being properly matched. In other words, if you're using a 4:1 balun, they expect you to connect 200 or 300 ohms on one side and 50 or 75 ohms on the other side, and usually warn that the rated power handing capability for the balun is contingent upon keeping within those limits.
>>
>> Makes sense... but what if you're using a ladder-line-fed dipole as a multiband antenna with impedances that vary all over the map both in magnitude and in phase angle? You could have an impedance of 2000+j200 that gets converted to 500+j50 with the balun, and your tuner takes care of the rest. How can you know what's going on inside your balun under those conditions? Is there a design that has a reasonable chance of working correctly at the legal limit with antennas of any reasonable impedance?
>>
>> When I say "multiband antenna with impedances that vary all over the map", that's not really something that's fixable by careful pruning of the antenna, taking into account the harmonic relationship of most ham bands... I do a lot of operating on CAP and MARS frequencies that are somewhat distant from any ham band and so the antenna and balun really do need to handle any reasonable frequency (yes, I'm aware of the need to avoid certain feedline lengths depending on frequency).
>>
>> Thanks...
>>
>> Rick WA1RKT
>>
>

>

34259. Re: [ham-antennas] Baluns designed for certain impedance, what if impedance is vastly different?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 15:57:12 UTC
From: Original Woodchuck
Topic: 34256 Message: 34259

On Tue, Sep 30, 2014 at 07:38:51AM -0700, wa1rkt@... [ham-antennas] wrote:
> Most of the balun spec sheets I have seen, from Balun Designs (my favorite these days) and others, specify power handling capability in terms of being properly matched. In other words, if you're using a 4:1 balun, they expect you to connect 200 or 300 ohms on one side and 50 or 75 ohms on the other side, and usually warn that the rated power handing capability for the balun is contingent upon keeping within those limits.

Honest vendors will stress this point.

When transmission line style baluns are referred to as "broad band",
they refer to a range of frequencies. But at any given frequency you're
supposed to have the proper impedance on the proper side of the balun.
Some seem to confuse this.

>
> Makes sense... but what if you're using a ladder-line-fed dipole as a multiband antenna with impedances that vary all over the map both in magnitude and in phase angle? You could have an impedance of 2000+j200 that gets converted to 500+j50 with the balun, and your tuner takes care of the rest. How can you know what's going on inside your balun under those conditions? Is there a design that has a reasonable chance of working correctly at the legal limit with antennas of any reasonable impedance?

Well, what's "reasonable"? 2Kohms and a like amount of reactance?

This is the problem that balanced line and balanced tuners (without any
balun at all, like a link-coupled Johnson Matchbox) win their following.
Another option is to build a big thumper balun (see below) and put
it on the transmitter side of a tuner. But that means (typically)
you have to isolate and float the tuner. (Or use a balanced design).
Some criticise this. Some criticise the balun on the output side of
the tuner, some criticise the balun at the feed point. There are lots
of critics, arent't there?

ARRL has a whole book on tuners. In there are product reviews.
You can borrow it from somebody or get it from a library. (Or search
around QST archives.)

>
> When I say "multiband antenna with impedances that vary all over the map", that's not really something that's fixable by careful pruning of the antenna, taking into account the harmonic relationship of most ham bands... I do a lot of operating on CAP and MARS frequencies that are somewhat distant from any ham band and so the antenna and balun really do need to handle any reasonable frequency (yes, I'm aware of the need to avoid certain feedline lengths depending on frequency).
>

> Thanks...
>
> Rick WA1RKT

My guess would be (for a 4:1), a Guanella current balun wound on two large cores (separate? stacked one on the other?), these cores possibly made of "Type 2" powdered iron rather than ferrite. Like T-300-2 cores. Said simply because powdered iron is more forgiving of thermal abuse. It also has lower permittivity, which reduces the winding's inductance.

This is all very unauthoratative advice, just stuff I've heard and stumbled over; I don't have enough experience to pontificate properly. Consider it ragchew rather than advice.

Dave AB3NR

34260. AW: [ham-antennas] Enclosure for high-power balun

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 16:29:06 UTC
From: siegfried jackstien
Topic: 34230 Message: 34260

Tupperware :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 29. September 2014 17:56
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Enclosure for high-power balun
>
>
>
> Anybody have any suggestions for the best place to buy an enclosure for a
> high-power balun, similar to what Balun Designs uses?
>
> Thanks...
>
> Rick WA1RKT
>
>

34261. Re: [ham-antennas] Baluns designed for certain impedance, what if impedance is vastly different?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 16:47:30 UTC
From: Don Sanders
Topic: 34256 Message: 34261

NO Balun will compensate for the small losses in the balun or mismatched feedline.
If the balun does not heat up then losses are less.
Best is a "S" balanced tuner at the feedline end and short coax to Rig.
For me, I dont sweat the difference of 80 watts radiated and 90 watts radiated. The station at the other end wont know any difference. I just strive to have the best transfer of power I can make.

I dont run high power, 500 watts only when needed. Running 1500 watts and losing 3 db due to underrated or mismatched equipment in the antenna system never appealed to me.
I over rate the pieces of the system and choose to use the best available.
There fore my 500 watts on a well designed and functioning antenna system usually will work as effectively as 1500 watts into lossy coax or poorly designed parallel feedline and matching components.
It is also much less expensive.

Dr. Don W4BWS

On Tue, Sep 30, 2014 at 10:57 AM, Original Woodchuck marmota@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On Tue, Sep 30, 2014 at 07:38:51AM -0700, wa1rkt@...
> [ham-antennas] wrote:
> > Most of the balun spec sheets I have seen, from Balun Designs (my
> favorite these days) and others, specify power handling capability in terms
> of being properly matched. In other words, if you're using a 4:1 balun,
> they expect you to connect 200 or 300 ohms on one side and 50 or 75 ohms on
> the other side, and usually warn that the rated power handing capability
> for the balun is contingent upon keeping within those limits.
>
> Honest vendors will stress this point.
>
> When transmission line style baluns are referred to as "broad band",
> they refer to a range of frequencies. But at any given frequency you're
> supposed to have the proper impedance on the proper side of the balun.
> Some seem to confuse this.
>
> >
> > Makes sense... but what if you're using a ladder-line-fed dipole as a
> multiband antenna with impedances that vary all over the map both in
> magnitude and in phase angle? You could have an impedance of 2000+j200 that
> gets converted to 500+j50 with the balun, and your tuner takes care of the

> rest. How can you know what's going on inside your balun under those
> conditions? Is there a design that has a reasonable chance of working
> correctly at the legal limit with antennas of any reasonable impedance?
>
> Well, what's "reasonable"? 2Kohms and a like amount of reactance?
>
> This is the problem that balanced line and balanced tuners (without any
> balun at all, like a link-coupled Johnson Matchbox) win their following.
> Another option is to build a big thumper balun (see below) and put
> it on the transmitter side of a tuner. But that means (typically)
> you have to isolate and float the tuner. (Or use a balanced design).
> Some criticise this. Some criticise the balun on the output side of
> the tuner, some criticise the balun at the feed point. There are lots
> of critics, arent't there?
>
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> You can borrow it from somebody or get it from a library. (Or search
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>
> >
> > When I say "multiband antenna with impedances that vary all over the
> map", that's not really something that's fixable by careful pruning of the
> antenna, taking into account the harmonic relationship of most ham bands...
> I do a lot of operating on CAP and MARS frequencies that are somewhat
> distant from any ham band and so the antenna and balun really do need to
> handle any reasonable frequency (yes, I'm aware of the need to avoid
> certain feedline lengths depending on frequency).
> >
> > Thanks...
> >
> > Rick WA1RKT
>
> My guess would be (for a 4:1), a Guanella current balun wound on two
> large cores (separate? stacked one on the other?), these cores possibly
> made of "Type 2" powdered iron rather than ferrite. Like T-300-2 cores.
> Said simply because powdered iron is more forgiving of thermal abuse.
> It also has lower permittivity, which reduces the winding's inductance.
>
> This is all very unauthoratative advice, just stuff I've heard and stumbled
> over; I don't have enough experience to pontificate properly. Consider
> it ragchew rather than advice.
>
> Dave AB3NR
>
>

34262. High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 17:06:35 UTC
From: wa1rkt@...
Topic: 34262 Message: 34262

This is another of those questions I've googled and searched this forum and gotten a wide range of different answers.

This will be for a 4:1 current balun that will be used with a ladder-line-fed dipole on a range of frequencies between 1.6 and 21, some of which are well outside of any ham band, hence I have little control over the actual impedances (resistive and reactive) that the balun will see.

I would prefer to build the balun for the legal limit although in practice will rarely if ever go above 1000 watts.

What voltage rating do I need for the wire used in the balun?

I was going to buy some of this...

14 AWG Silver Teflon Wire Assortment 25 feet 19 strand
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=380998672057

http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=380998672057

14 AWG Silver Teflon Wire Assortment 25 feet 19 strand
http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=380998672057 US $21.21 New in Consumer Electronics, TV, Video & Home Audio, TV, Video & Audio Accessories

View on cgi.ebay.com http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=380998672057
Preview by Yahoo

... until the seller told me it's only rated for 600 volts. Methinks I need something higher than that.

Rick WA1RKT

34263. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 17:20:19 UTC
From: enkitec@...
Topic: 34262 Message: 34263

I wouldn't use a balun in this situation. Better build a balanced antenna tuner.

Mark Jordan, PY3SS

On 30-Sep-14 14:06, wa1rkt@... [ham-antennas] wrote:
> This will be for a 4:1 current balun that will be used with a
> ladder-line-fed dipole on a range of frequencies between 1.6 and 21,
> some of which are well outside of any ham band, hence I have little
> control over the actual impedances (resistive and reactive) that the
> balun will see.

34264. Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 17:28:55 UTC
From: wa1rkt@...
Topic: 34262 Message: 34264

There are some logistical reasons why a separate balanced tuner is impractical. So, the question remains... what voltage rating do I need for the wire?

Rick WA1RKT

34265. Re: [ham-antennas] Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 17:51:35 UTC
From: Myron WVØH
Topic: 34262 Message: 34265

10,000 Volts.

Myron WVØH
Printed on Recycled Data

> On Sep 30, 2014, at 11:28 AM, wa1rkt@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> There are some logistical reasons why a separate balanced tuner is impractical. So, the question remains... what voltage rating do I need for the wire?
>
> Rick WA1RKT
>
>

34266. Re: [ham-antennas] A refresher for some, new for others

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 18:10:49 UTC
From: Todd F. Carney / K7TFC
Topic: 34253 Message: 34266

@WVØH: Thanks for the link. The tutorial is in a nice step-by-step format.
---Todd K7TFC

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
7
(P
D
T)

On Tue, Sep 30, 2014 at 2:23 PM, Pete D peten2mci@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> About 20yrs ago, I wanted to built a 1/2w 6M ant... I found a prg. at the
> time
> that would match any Imp. with a LC network.. I used 2000 or 2500 ohms as
> the load and 50 ohms as the source.. For the test, I used a piece of hard
> line,
> hooked to the shield, and built the small network.. The ant. analyzer
> showed
> it very resonate with in the 6m band..
>
> I didn't do any tuning it was more of a proof of concept..
>
> Here's a link to a web based LC IMP Matching network designer panel.
> There are also lots of other great tools on that page..
>
> -73, Pete N2MCI
>
> On 9/30/2014 9:40 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
>
> I found a great tutorial about impedance matching and wanted to share.
>
> http://www.qsl.net/va3iul/Impedance_Matching/Impedance_Matching.pdf
>
> The take away from this document is that every antenna can be reduced to
> an RLC circuit in which can be matched to your transmitter in some way,
> this documents presents the basic tools necessary to do so.

>
> Myron WVØH
> Printed on Recycled Data
>
>
>
>

34267. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 19:24:17 UTC
From: Kenneth G. Gordon
Topic: 34262 Message: 34267

As others have suggested: I sure wouldn't bother with a balun. I'd build a good balanced coupler instead.

Ken W7EKB

On 30 Sep 2014 at 10:06, wa1rkt@... [ham-antennas] wrote:

>
>
> This is another of those questions I've googled and searched this forum and
> gotten a wide range of different answers.
>
> This will be for a 4:1 current balun that will be used with a ladder-line-fed
> dipole on a range of frequencies between 1.6 and 21, some of which are well
> outside of any ham band, hence I have little control over the actual impedances
> (resistive and reactive) that the balun will see.
>
> I would prefer to build the balun for the legal limit although in practice will
> rarely if ever go above 1000 watts.
>
> What voltage rating do I need for the wire used in the balun?
>
> I was going to buy some of this...
>
> 14 AWG Silver Teflon Wire Assortment 25 feet 19 strand
>
>
>
>
>
>
>
> image
>
>
>
>
>
> 14 AWG Silver Teflon Wire
> Assortment 25 feet 19 strand
> US $21.21 New in Consumer Electronics, TV,
> Video & Home Audio, TV, Video & Audio
> Accessories
>
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>
> View on cgi.ebay.com
>
>
> Preview by Yahoo
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>
>
>
>
>
>
>
>
>
> ... until the seller told me it's only rated for 600 volts. Methinks I need
> something higher than that.
>
> Rick WA1RKT
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

34268. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 19:49:33 UTC
From: KA4INM radio
Topic: 34262 Message: 34268

On 09/30/14 13:06, wa1rkt@... wrote:

> This is another of those questions I've googled and searched this forum
> and gotten a wide range of different answers.

> This will be for a 4:1 current balun that will be used with a
> ladder-line-fed dipole on a range of frequencies between 1.6 and 21,
> some of which are well outside of any ham band, hence I have little
> control over the actual impedances (resistive and reactive) that the
> balun will see.

> I would prefer to build the balun for the legal limit although in
> practice will rarely if ever go above 1000 watts.

> What voltage rating do I need for the wire used in the balun?

I would look at pictures of stand alone baluns and baluns on the
blank panels of high power tuners and see if some kind of extremely
special (10 kV ?) wire was used. I don't think so.
I've seen a huge number of balun entrails wound with varnished
transformer wire, I don't think that kind of balun explode when you hit
them with 200 Watts, or whatever.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34269. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 20:18:06 UTC
From: Alex Netherton
Topic: 34262 Message: 34269

A balun is not going to bring your antenna to any kind of impedance on any frequency that it can be used anywhere but where it resonates. There is no such thing as a broadband balun. Why people keep telling you to buy or build an antenna tuner. You can't just have a line, slap a balun in it, and expect it to operate over 1.8 to 15 MHz. It just won't. Your radio won't like it one bit, no way, no how. The reason for a balun is to transform an unbalanced load to a balanced one. The impedance can still be astronomic, you are just transforming the impedance so a matcher can handle it. If a tuner is out of the question, then you are h0sed.

Gud luck on the Freebands.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Tue, Sep 30, 2014 at 3:49 PM, KA4INM radio ka4inm@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 09/30/14 13:06, wa1rkt@... wrote:
>
> > This is another of those questions I've googled and searched this forum
> > and gotten a wide range of different answers.
>
> > This will be for a 4:1 current balun that will be used with a
> > ladder-line-fed dipole on a range of frequencies between 1.6 and 21,
> > some of which are well outside of any ham band, hence I have little
> > control over the actual impedances (resistive and reactive) that the
> > balun will see.
>
> > I would prefer to build the balun for the legal limit although in
> > practice will rarely if ever go above 1000 watts.
>
> > What voltage rating do I need for the wire used in the balun?
>
> I would look at pictures of stand alone baluns and baluns on the
> blank panels of high power tuners and see if some kind of extremely
> special (10 kV ?) wire was used. I don't think so.
> I've seen a huge number of balun entrails wound with varnished
> transformer wire, I don't think that kind of balun explode when you hit
> them with 200 Watts, or whatever.

> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
>

34270. Re: [ham-antennas] A refresher for some, new for others

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 20:27:25 UTC
From: Alex Netherton
Topic: 34253 Message: 34270

Wow, I wonder if the author could have made it more technical and difficult
to understand?

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call KC4BO (1979)

On Tue, Sep 30, 2014 at 9:40 AM, Myron WVØH s9plus@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> I found a great tutorial about impedance matching and wanted to share.
>
> http://www.qsl.net/va3iul/Impedance_Matching/Impedance_Matching.pdf
>
> The take away from this document is that every antenna can be reduced to
> an RLC circuit in which can be matched to your transmitter in some way,
> this documents presents the basic tools necessary to do so.
>
> Myron WVØH
> Printed on Recycled Data
>
>
>

34271. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 21:42:53 UTC
From: wa1rkt@...
Topic: 34262 Message: 34271

Good afternoon, Alex.

It's not that I can't use a tuner... I have a half dozen or more LDG autotuners of different power levels up to 1000 watts... but I can not bring the ladder line into the shack. Can't be done. No way no how. All I can do is keep the length of coax between balun and tuner as short as practical and let the tuners handle the, as you say, sometimes astronomical impedances. LDG autotuners do a mighty fine job of handling that, by the way.

Rick WA1RKT

34272. High power toroid for low power use

Yahoo group: ham-antennas (2014)
Date: 2014-09-30 23:26:33 UTC
From: philrb1@...
Topic: 34272 Message: 34272

I'd like to use a high power torroid to wind a low power balun (100 w or less). The reason is to simplify the winding process...I tend to always bunch up the wires on the smaller torroids and the larger ID of a higher power torroid would make it a lot easier. What I don't know is if the physical size of the torroid plays any part in the function of the balun except for power. I need to wind a 1:1, a 4:1 and a 9:1 balun.

Any ideas, comments, or links would be appreciated.

Phil K7TTI

34273. Re: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 01:01:16 UTC
From: Goldtr8 (KD8NNU)
Topic: 34248 Message: 34273

What are the numbers on the antenna analyzer. Is there at least a dip in the readings?

Share some data from the analyzer and maybe it will give us some clues.

~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, September 29, 2014 9:01 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Help: I can not get my balcony antennas to resonate without hi-Swr

I am on the 8`th floor of a 10 story hi-rise and I have a75m. ham-stick and an MFJ multi-band antenna. I am using an antenna analyzer and can not get either antenna down to a reasonable SWR. I checked the coax for shorts and water and seems ok. I`ve taken emery cloth and wiped the coil on coil on the MFJ balcony antenna still no luck. I was told the balcony railing which is 30 ft. long and 6 ft. wide with steel panels would serve as a good ground plain. Also was told to ground my system to the hot water heating pipe with a good ground clamp. That I haven`t done as I am handicapped and can`t get down on the floor do to hip and leg injuries. I have a FT-897- d and the FC-30 tuner.

Any suggestions would be greatfully appreciated. I use an FT-857D unit in my car and a Little Toeheel with no problems.

`73

VE3JET

34274. Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 03:25:17 UTC
From: A
Topic: 34262 Message: 34274

As with myself , i got the book understanding Baluns , by Jerry Cevick , i believe , sold by CQ mag the most reasonable price, amazon prohibitive last month anyways. Some Baluns should have two large Toroids with 12GA wire for high power , some used include 10:1 or 2.5 to 1 , every Ops. location Ant. and Rig are different , so study and experiment , there is no pat remedy , it is custom to your location , Soil , or metal , Have Fun, AJ W5HEH

34275. Re: [ham-antennas] Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 05:12:58 UTC
From: Original Woodchuck
Topic: 34262 Message: 34275

On Tue, Sep 30, 2014 at 08:25:17PM -0700, A email4utoo@... [ham-antennas] wrote:
> As with myself , i got the book understanding Baluns , by Jerry Cevick , i believe , sold by CQ mag the most reasonable price, amazon prohibitive last month anyways. Some Baluns should have two large Toroids with 12GA wire for high power , some used include 10:1 or 2.5 to 1 , every Ops. location Ant. and Rig are different , so study and experiment , there is no pat remedy , it is custom to your location , Soil , or metal , Have Fun, AJ W5HEH

That's Jerry Sevick, W2FMT, different from L. B. Cebik, W4RNL. Easy to
confuse the two.

Dave

34276. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 06:05:59 UTC
From: Alex Netherton
Topic: 34262 Message: 34276

Ah. I see. If you use ldg tuners, they also make good affordable baluns.
Good for 100 watts. For more power I have seen some kits on ebay. An
enclosure is easy to weatherproof.
I have a ldg at-100 proii. Works great. When portable I use one of theirs.
At home I use a Heathkit sa-2040 with one built in.

73
On Sep 30, 2014 5:42 PM, "wa1rkt@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Good afternoon, Alex.
>
> It's not that I can't use a tuner... I have a half dozen or more LDG
> autotuners of different power levels up to 1000 watts... but I can not
> bring the ladder line into the shack. Can't be done. No way no how. All
> I can do is keep the length of coax between balun and tuner as short as
> practical and let the tuners handle the, as you say, sometimes astronomical
> impedances. LDG autotuners do a mighty fine job of handling that, by the
> way.
>
> Rick WA1RKT
>
>

34277. RE: [ham-antennas] High power toroid for low power use

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 06:10:51 UTC
From: Dave Patrick
Topic: 34272 Message: 34277

See Balun Designs website

G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: philrb1@... [ham-antennas]
Sent: 01/10/2014 00:26
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] High power toroid for low power use

I'd like to use a high power torroid to wind a low power balun (100 w or less). The reason is to simplify the winding process...I tend to always bunch up the wires on the smaller torroids and the larger ID of a higher power torroid would make it a lot easier. What I don't know is if the physical size of the torroid plays any part in

the function of the balun except for power. I need to wind a 1:1, a 4:1 and a 9:1 balun.

Any ideas, comments, or links would be appreciated.

Phil K7TTI

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px;

font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

34278. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 07:24:14 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 34278

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

34279. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 12:33:19 UTC
From: hitekgearhead@...
Topic: 34262 Message: 34279

Honest question: What is the difference between a balun and a balanced coupler. I have never heard of the later.

Thanks,
Albert
KI4ORI

34280. Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 13:24:37 UTC
From: wa1rkt@...
Topic: 34262 Message: 34280

Good morning, Albert.

A balanced coupler is an antenna tuner that is specifically designed to be used with balanced feedlines, such as the old Johnson Matchbox. Most modern antenna tuners are designed for unbalanced input, i.e. coax to coax, and handle balanced feedlines with an internal or external balun.

Rick WA1RKT <kinda wishing he hadn't sold his Johnson KW Matchbox years ago>

34281. Re: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 13:44:07 UTC
From: Myron WVØH
Topic: 34262 Message: 34281

A balun will exhibit high loss when attached to a balanced load that is highly reactive or that deviates from the design impedance(s). A balanced coupler (tuner, BLT, etc) is designed to impedance match a balanced load (either purely resistive and/or highly reactive) down to unbalanced 50 Ω (or other impedance if designed that way).

Losses accumulate as temperature rise in the balun core and the more power you run the hotter the temp. As a design guide, one should try to stive for the lowest Trise, and for a 100-Watt system, I would keep the Trise under 40C depending upon the core material and for low power ops 1-10W, I would design for a Trise of less than 10C for best efficiency. Heat is loss and the less heat you have the less loss you have.

Myron WVØH
Printed on Recycled Data

> On Oct 1, 2014, at 6:33 AM, hitekgearhead@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> Honest question: What is the difference between a balun and a balanced coupler. I have never heard of the later.
>
> Thanks,
> Albert
> KI4ORI
>
>

34282. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 15:44:25 UTC
From: Kenneth G. Gordon
Topic: 34262 Message: 34282

On 1 Oct 2014 at 5:33, hitekgearhead@... [ham-antennas] wrote:

> Honest question: What is the difference between a balun and a balanced coupler.

A "balun" is a "balanced-to-unbalanced" (Bal-UN) transformer with no moviing parts.

A balanced-coupler is a, usually manually, adjusted device using coils and capacitors, either or both of which may be "variable", which "couples" an either balanced or unbalanced output from a transmitter to a balanced antenna such as a symetric dipole antenna fed with balanced line such as open-wire-line. Both "sides" of the entire antenna system are exactly equal.

True "balanced" does not exist with coax-fed antennas.

The balanced antenna system, coupler, and push-pull transmitter output stages were very common up until WWII when cheap coax became available.

> I have never heard of the latter.

That's interesting....

You might find a study of old handbooks of particular interest in this regard.

Ken W7EKB

34283. Re: [ham-antennas] Balanced vs unbalanced.

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 15:45:48 UTC
From: Kenneth G. Gordon
Topic: 34262 Message: 34283

On 1 Oct 2014 at 5:33, hitekgearhead@... [ham-antennas] wrote:

> Honest question: What is the difference between a balun and a balanced coupler.
> I have never heard of the later.

A balanced antenna coupler is, essentially, a very wide-range, manually adjustable, impedance transformer.

Ken W7EKB

34284. cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 18:39:55 UTC
From: dalecole3502@...
Topic: 34284 Message: 34284

I have given up trying to tune the 80 meter section of my 6btv. I do want 80/75 for CQWW coming up. Any ideas ? Wire would be great, small city lot, but can not have any coax hanging down (my lawn-mowing service is already dodging the trap, and a 160 trap vertical), it might be possible to string between two trees but don't think distance is great enough. Have to run about 40' of feed line through crawl space just to get to daylight. (I don't expect to run both 80 and 75 on same lead) but prefer cw portion of band.

Dale K8TS

34285. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 19:18:24 UTC
From: k3ang@...
Topic: 34284 Message: 34285

FWIW, I recommend the W3EDP antenna.
There's info about it all over the Net, but I like this site best.
The Adventures of VE3CLQ: W3EDP Antenna
http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html

http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html

The Adventures of VE3CLQ: W3EDP Antenna
http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html Next weekend is Winter Field Day and the group which is taking part from the Frontenac Radio Group decided today which antennas we will be using. So, t...

View on ve3clq.blogspot.com http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html
Preview by Yahoo

73 & GL
de K3ANG

34286. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 19:30:51 UTC
From: k3ang@...
Topic: 34284 Message: 34286

This guy made one with homebrewed 450 ohm line.
Pretty easy to do.
Buy or build the 4:1 balun in either model.
Agn 73 & GL
de K3ANG
W3EDP Antenna | VA3QV's Weblog | Page 2
https://va3qv.wordpress.com/tag/w3edp-antenna/page/2/

https://va3qv.wordpress.com/tag/w3edp-antenna/page/2/

W3EDP Antenna | VA3QV's Weblog | Page 2
https://va3qv.wordpress.com/tag/w3edp-antenna/page/2/ Posts about W3EDP Antenna written by VA3QV

View on va3qv.wordpress.com https://va3qv.wordpress.com/tag/w3edp-antenna/page/2/
Preview by Yahoo

34287. AW: [ham-antennas] High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-01 19:31:43 UTC
From: siegfried jackstien
Topic: 34262 Message: 34287

Most tune rare either t or pi type tuner (unbalanced!) ... and if you wanna connect a balanced load then there is a balun on the output side of the tuner (not a real balanced tuner but it works)

A real balanced tuner has the balun on the input side and then a balanced (symmetrical) network towards the 2 antenna connectors

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]
> Gesendet: Mittwoch, 1. Oktober 2014 12:33
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] High power balun, what voltage rating for
> wire?
>
>
>
> Honest question: What is the difference between a balun and a balanced
> coupler. I have never heard of the later.
>
> Thanks,
> Albert
> KI4ORI
>
>

34288. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 13:09:25 UTC
From: hitekgearhead@...
Topic: 34262 Message: 34288

So basically a "balanced coupler" is a specific type of antenna tuner that is designed to work with a balanced source and load. Whereas other tuners generally operate unbal to unbal or unbal to balanced with an internal balun.

Correct?

I have of course heard of tuners but never heard the reference to "balanced couplers".

-Albert
KI4ORI

34289. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 13:23:01 UTC
From: Myron WVØH
Topic: 34262 Message: 34289

No, we have unbalanced (coaxial) transmitter outputs and the balanced coupler has an unbalanced input. (But that's not stopping anybody from designing and building a balanced input to balanced output tuner). But the output of the coupler can either be balanced or unbalanced depending upon the design.

Coaxial input tuners can employ balanced outputs with the addition of a balun. Some employ different methods to achieve balanced outputs.

Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar BT-1500 uses a balun on the input. Just different ways to do basically the same thing. There is much discussion about placing the balun on the output versus the balun on the input of the tuner. Let's not go there.

Myron WVØH
Printed on Recycled Data

> On Oct 2, 2014, at 7:09 AM, hitekgearhead@hotmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> So basically a "balanced coupler" is a specific type of antenna tuner that is designed to work with a balanced source and load. Whereas other tuners generally operate unbal to unbal or unbal to balanced with an internal balun.
>
> Correct?
>
> I have of course heard of tuners but never heard the reference to "balanced couplers".
>
>
> -Albert
> KI4ORI
>
>

34290. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 13:53:59 UTC
From: Joe
Topic: 34262 Message: 34290
Attachments: 2 described; binary payloads are missing from this source WARC

```
Now can this be any better?

An Un Balanced input so every modern radio is happy, AND no baluns of
any kind for the balanced output.

The good old Johnson KW Matchbox.
http://w4neq.com/img/kwmatch.jpg
http://w4neq.com/img/kwmatch.jpg
```

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/2/2014 8:23 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
>
> No, we have unbalanced (coaxial) transmitter outputs and the balanced
> coupler has an unbalanced input. (But that's not stopping anybody from
> designing and building a balanced input to balanced output tuner). But
> the output of the coupler can either be balanced or unbalanced
> depending upon the design.
>
> Coaxial input tuners can employ balanced outputs with the addition of
> a balun. Some employ different methods to achieve balanced outputs.
>
> Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar
> BT-1500 uses a balun on the input. Just different ways to do basically
> the same thing. There is much discussion about placing the balun on
> the output versus the balun on the input of the tuner. Let's not go there.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 2, 2014, at 7:09 AM, hitekgearhead@...
> <mailto:hitekgearhead@...> [ham-antennas]
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
>> So basically a "balanced coupler" is a specific type of antenna tuner
>> that is designed to work with a balanced source and load. Whereas
>> other tuners generally operate unbal to unbal or unbal to balanced
>> with an internal balun.

>>
>> Correct?
>>
>> I have of course heard of tuners but never heard the reference to
>> "balanced couplers".
>>
>>
>> -Albert
>> KI4ORI
>>
>
>
>

34291. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 13:56:18 UTC
From: Myron WVØH
Topic: 34262 Message: 34291

Well. Actually I have designed one that has low loss and way better for me.

Myron WVØH
Printed on Recycled Data

> On Oct 2, 2014, at 7:53 AM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Now can this be any better?
>
> An Un Balanced input so every modern radio is happy, AND no baluns of any kind for the balanced output.
>
> The good old Johnson KW Matchbox.
> <kwmatch.jpg>
> http://w4neq.com/img/kwmatch.jpg
>
> Joe WB9SBD
> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 10/2/2014 8:23 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>> No, we have unbalanced (coaxial) transmitter outputs and the balanced coupler has an unbalanced input. (But that's not stopping anybody from designing and building a balanced input to balanced output tuner). But the output of the coupler can either be balanced or unbalanced depending upon the design.
>>
>> Coaxial input tuners can employ balanced outputs with the addition of a balun. Some employ different methods to achieve balanced outputs.
>>
>> Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar BT-1500 uses a balun on the input. Just different ways to do basically the same thing. There is much discussion about placing the balun on the output versus the balun on the input of the tuner. Let's not go there.
>>
>> Myron WVØH
>> Printed on Recycled Data
>>
>> On Oct 2, 2014, at 7:09 AM, hitekgearhead@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>>
>>> So basically a "balanced coupler" is a specific type of antenna tuner that is designed to work with a balanced source and load. Whereas other tuners generally operate unbal to unbal or unbal to balanced with an internal balun.
>>>
>>> Correct?
>>>

>>> I have of course heard of tuners but never heard the reference to "balanced couplers".
>>>
>>>
>>> -Albert
>>> KI4ORI
>>>
>
>

34292. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 14:17:21 UTC
From: Myron WVØH
Topic: 34262 Message: 34292
Attachments: 1 described; binary payloads are missing from this source WARC

I'll have to dig out my loss measurements but here is my setup to measure the loss of two of my BLTs back to back. I think my total insertion loss was on the order of 0.15dB for both tuners when tuned to 4700-j200 ohms.

Myron WVØH
Printed on Recycled Data

> On Oct 2, 2014, at 7:56 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Well. Actually I have designed one that has low loss and way better for me.
>
> Myron WVØH
> Printed on Recycled Data
>
>> On Oct 2, 2014, at 7:53 AM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Now can this be any better?
>>
>> An Un Balanced input so every modern radio is happy, AND no baluns of any kind for the balanced output.
>>
>> The good old Johnson KW Matchbox.
>> <kwmatch.jpg>
>> http://w4neq.com/img/kwmatch.jpg
>>
>> Joe WB9SBD
>> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>> On 10/2/2014 8:23 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>>> No, we have unbalanced (coaxial) transmitter outputs and the balanced coupler has an unbalanced input. (But that's not stopping anybody from designing and building a balanced input to balanced output tuner). But the output of the coupler can either be balanced or unbalanced depending upon the design.
>>>
>>> Coaxial input tuners can employ balanced outputs with the addition of a balun. Some employ different methods to achieve balanced outputs.
>>>
>>> Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar BT-1500 uses a balun on the input. Just different ways to do basically the same thing. There is much discussion about placing the balun on the output versus the balun on the input of the tuner. Let's not go there.
>>>
>>> Myron WVØH

>>> Printed on Recycled Data
>>>
>>> On Oct 2, 2014, at 7:09 AM, hitekgearhead@hotmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>>
>>>>
>>>> So basically a "balanced coupler" is a specific type of antenna tuner that is designed to work with a balanced source and load. Whereas other tuners generally operate unbal to unbal or unbal to balanced with an internal balun.
>>>>
>>>> Correct?
>>>>
>>>> I have of course heard of tuners but never heard the reference to "balanced couplers".
>>>>
>>>>
>>>> -Albert
>>>> KI4ORI
>>>>
>>
>
>

34293. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 14:38:33 UTC
From: Joe
Topic: 34262 Message: 34293
Attachments: 2 described; binary payloads are missing from this source WARC

Doesn't quite look like it could handle 2KW tho,,
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/2/2014 9:17 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
>
> image1.JPG
>
> I'll have to dig out my loss measurements but here is my setup to
> measure the loss of two of my BLTs back to back. I think my total
> insertion loss was on the order of 0.15dB for both tuners when tuned
> to 4700-j200 ohms.
>
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 2, 2014, at 7:56 AM, Myron WVØH s9plus@...
> <mailto:s9plus@...> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
>> Well. Actually I have designed one that has low loss and way better
>> for me.
>>
>> Myron WVØH
>> Printed on Recycled Data
>>
>> On Oct 2, 2014, at 7:53 AM, Joe nss@... <mailto:nss@...>
>> [ham-antennas] <ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>> wrote:
>>
>>> Now can this be any better?
>>>
>>> An Un Balanced input so every modern radio is happy, AND no baluns
>>> of any kind for the balanced output.
>>>
>>> The good old Johnson KW Matchbox.
>>> <kwmatch.jpg>
>>> http://w4neq.com/img/kwmatch.jpg
>>>

>>> Joe WB9SBD
>>> Sig <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
>>> The Original Rolling Ball Clock
>>> Idle Tyme
>>> Idle-Tyme.com <http://Idle-Tyme.com>
>>> http://www.idle-tyme.com
>>> On 10/2/2014 8:23 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>>>> No, we have unbalanced (coaxial) transmitter outputs and the
>>>> balanced coupler has an unbalanced input. (But that's not stopping
>>>> anybody from designing and building a balanced input to balanced
>>>> output tuner). But the output of the coupler can either be balanced
>>>> or unbalanced depending upon the design.
>>>>
>>>> Coaxial input tuners can employ balanced outputs with the addition
>>>> of a balun. Some employ different methods to achieve balanced outputs.
>>>>
>>>> Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar
>>>> BT-1500 uses a balun on the input. Just different ways to do
>>>> basically the same thing. There is much discussion about placing
>>>> the balun on the output versus the balun on the input of the tuner.
>>>> Let's not go there.
>>>>
>>>> Myron WVØH
>>>> Printed on Recycled Data
>>>>
>>>> On Oct 2, 2014, at 7:09 AM, hitekgearhead@...
>>>> <mailto:hitekgearhead@...> [ham-antennas]
>>>> <ham-antennas@yahoogroups.com
>>>> <mailto:ham-antennas@yahoogroups.com>> wrote:
>>>>
>>>>> So basically a "balanced coupler" is a specific type of antenna
>>>>> tuner that is designed to work with a balanced source and load.
>>>>> Whereas other tuners generally operate unbal to unbal or unbal to
>>>>> balanced with an internal balun.
>>>>>
>>>>> Correct?
>>>>>
>>>>> I have of course heard of tuners but never heard the reference to
>>>>> "balanced couplers".
>>>>>
>>>>>
>>>>> -Albert
>>>>> KI4ORI
>>>>>
>>>
>
>
>

34294. AW: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 15:13:20 UTC
From: siegfried jackstien
Topic: 34262 Message: 34294

Yepp

Annecke made a similar matchbox (or almost similar)

But he added another tuning cap on the input side (input coupling coil and a cap on input)

Another knob to turn but a better match

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 2. Oktober 2014 13:54
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Balanced vs unbalanced
>
>
>
> Now can this be any better?
>
> An Un Balanced input so every modern radio is happy, AND no baluns of any
> kind for the balanced output.
>
> The good old Johnson KW Matchbox.
> http://w4neq.com/img/kwmatch.jpg
> http://w4neq.com/img/kwmatch.jpg
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/2/2014 8:23 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
>
> No, we have unbalanced (coaxial) transmitter outputs and the
> balanced coupler has an unbalanced input. (But that's not stopping anybody
> from designing and building a balanced input to balanced output tuner).
> But the output of the coupler can either be balanced or unbalanced
> depending upon the design.
>

> Coaxial input tuners can employ balanced outputs with the addition
> of a balun. Some employ different methods to achieve balanced outputs.
>
> Most MFJ tuners have a Ruthroff 50 Ω to 200 Ω balun and the Palatar
> BT-1500 uses a balun on the input. Just different ways to do basically the
> same thing. There is much discussion about placing the balun on the output
> versus the balun on the input of the tuner. Let's not go there.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 2, 2014, at 7:09 AM, hitekgearhead@... [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>
> So basically a "balanced coupler" is a specific type of
> antenna tuner that is designed to work with a balanced source and load.
> Whereas other tuners generally operate unbal to unbal or unbal to balanced
> with an internal balun.
>
> Correct?
>
> I have of course heard of tuners but never heard the reference
> to "balanced couplers".
>
>
> -Albert
> KI4ORI
>
>
>

34295. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 15:34:34 UTC
From: enkitec@...
Topic: 34262 Message: 34295

S-Match, only two adjustments:

http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm

Mark Jordan, PY3SS

On 02-Oct-14 10:53, Joe nss@... [ham-antennas] wrote:
>
>
> Now can this be any better?
>
> An Un Balanced input so every modern radio is happy, AND no baluns of
> any kind for the balanced output.
>
> The good old Johnson KW Matchbox.
>
> http://w4neq.com/img/kwmatch.jpg
>
> Joe WB9SBD

34296. Fwd: B.A.T. BIG ASS TUNER

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 17:17:30 UTC
From: L L bahr
Topic: 34296 Message: 34296
Attachments: 10 described; binary payloads are missing from this source WARC

Here is my friend's present day project. (W5MP) This is the kind of tuner real hams build and use. No MFJ stuff here. Mike has $1700 in it to date. Commercial roller inductor for AM broadcast stations and custom made bread slicer variables. Two Bird built in watt meters (forward and reverse). Good for 5KW AM. I don't like his baluns. He is changing them now.

Lee, w0vt

Subject: B.A.T. BIG ASS TUNER

34297. Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 17:22:49 UTC
From: L L bahr
Topic: 34297 Message: 34297
Attachments: 7 described; binary payloads are missing from this source WARC

This kind of shows how the front panel will look like. (W5MP tuner project)

Lee, w0vt

34298. Caps with pulley for 3.5 inch tubular mast

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 18:42:37 UTC
From: ka9p@...
Topic: 34298 Message: 34298

This is a bit of a longshot but hope springs eternal....

I'm modifying an old Wilson tt-45 to make it a shorter 3 section tower that cranks down to about 15 feeet (garage roof level, with the rotating base inside the garage).

The TT-45 has a 20 foot 4.5 inch section, and 20 ft 3.5 inch section, and a 2 inch mast that adjusts from 0 to 9 feet manually with two set bolt. I'm shortening those sections to 11 and 12 feet.

What I'm hoping to do is replace the welded cap that the 2 inch piece sits in with a cap on top of the 3.5 inch section that has a pulley - just like the 4.5 inch section, only smaller, so that all three sections are moveable with the cable, and use a fairly serious section of 3/8 inch wall 2.5 inch aluminum tubing to complete the top 9 feet of the mast.

Does anyone know if a 3.5 inch ID mast mounted cap and pulley assembly like the one on the 4.5 inch section is available commercially, or if something like a sailboat place might have something in stock or fabricate that could be modified to work?

I'm only using it to turn a hexbeam for now, but I'd like it to be rugged enough to support 8-10 square feet at 30 feet if I ever decide to go bigger.

Thanks alot.

Scott ka9p

34299. AW: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 18:52:00 UTC
From: siegfried jackstien
Topic: 34262 Message: 34299

Only because there are just 2 knobs to turn does not mean the efficiency is better ... if you have very high or very low impedance then you need a very wide range tuner with BIG parts

If the s match is better in that tuning range can just be measured if you have BOTH tuners and could measure the current in the wires (more fire in the wire means more output to antenna)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 2. Oktober 2014 15:35
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Balanced vs unbalanced
>
>
>
>
> S-Match, only two adjustments:
>
> http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm
>
> Mark Jordan, PY3SS
>
>
> On 02-Oct-14 10:53, Joe nss@... [ham-antennas] wrote:
>
>
> Now can this be any better?
>
> An Un Balanced input so every modern radio is happy, AND no baluns
> of any kind for the balanced output.
>
> The good old Johnson KW Matchbox.
>
> http://w4neq.com/img/kwmatch.jpg
>
> Joe WB9SBD
>
>
>
>

34300. Re: [ham-antennas] Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 18:59:13 UTC
From: Kenneth G. Gordon
Topic: 34297 Message: 34300

Gee. That IS a nice little tuner all right. :-)

About 30 years ago, I built a balanced antenna coupler with parts taken from an ex-military Wilcox 96A transmitter which operated at 3500 watts full-plate modulated AM.

Although it is pretty old, I'll try to post photos of it here.

It makes your BAT look small by comparison. ;-)

Ken W7EKB

34301. AW: [ham-antennas] Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 18:55:39 UTC
From: siegfried jackstien
Topic: 34297 Message: 34301

Looks nice

How much inductance and cap values used ??

Symmetrical pi??

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 2. Oktober 2014 17:23
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Big Ass Tuner
>
>
>
> This kind of shows how the front panel will look like. (W5MP tuner
> project)
>
>
>
> Lee, w0vt
>
>
>
>
>
>
>
>
>

34302. RE: [ham-antennas] Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 18:59:59 UTC
From: Dave
Topic: 34297 Message: 34302

Looks Beautiful to me - WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, October 02, 2014 12:23 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Big Ass Tuner

This kind of shows how the front panel will look like. (W5MP tuner project)

Lee, w0vt

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4037/8311 - Release Date: 10/02/14

[Non-text portions of this message have been removed]

34303. Re: AW: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 19:01:51 UTC
From: Joe
Topic: 34262 Message: 34303
Attachments: 1 described; binary payloads are missing from this source WARC

And I have yet to see anything with a toroid be more efficient than an
air wound inductor

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/2/2014 1:52 PM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
> Only because there are just 2 knobs to turn does not mean the efficiency is
> better ... if you have very high or very low impedance then you need a very
> wide range tuner with BIG parts
>
> If the s match is better in that tuning range can just be measured if you
> have BOTH tuners and could measure the current in the wires (more fire in
> the wire means more output to antenna)
>
> Dg9bfc
>
> Sigi
>
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Donnerstag, 2. Oktober 2014 15:35
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Balanced vs unbalanced
>>
>>
>>
>>
>> S-Match, only two adjustments:
>>
>> http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm
>>
>> Mark Jordan, PY3SS
>>
>>
>> On 02-Oct-14 10:53, Joe nss@... [ham-antennas] wrote:
>>
>>

>> Now can this be any better?
>>
>> An Un Balanced input so every modern radio is happy, AND no baluns
>> of any kind for the balanced output.
>>
>> The good old Johnson KW Matchbox.
>>
>> http://w4neq.com/img/kwmatch.jpg
>>
>> Joe WB9SBD
>>
>>
>>
>>
>
>
> ---
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---
>
> Yahoo Groups Links
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34304. Re: [ham-antennas] Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 19:22:51 UTC
From: Original Woodchuck
Topic: 34297 Message: 34304

On Thu, Oct 02, 2014 at 01:22:49PM -0400, 'L L bahr ' pulsarxp@... [ham-antennas] wrote:
>
> This kind of shows how the front panel will look like.? (W5MP tuner project)
>
> Lee, w0vt

Definitely a nice piece of work all around.

Dave

34305. Mosley Classic 33 and Yaesu 450a

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 19:49:27 UTC
From: fconte@...
Topic: 34305 Message: 34305

I fellow from my radio club is selling his Mosley Classic 33 for $100 and a Yaesu 450a for $175 and was wondering if this is a good deal.
The 450a's dial doesn't track properly and needs to be repaired, is this easily fixed or would it need to be sent to Yaesu for repair?

Thanks for any advise you can provide...

Fred
KK4PSX

34306. Re: Mosley Classic 33 and Yaesu 450a

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 19:56:15 UTC
From: physics1@...
Topic: 34305 Message: 34306

8 years ago, I replaced traps and insulators on a cl33. Also new c clamps. Cost from the factory were over $600. Therefore, I guess the answer would depend on age and condition. You could compare that to a new innova tribander.
Carl K0YCR

34307. RE: [ham-antennas] Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 22:13:28 UTC
From: jim burns
Topic: 34297 Message: 34307

Nice work W5MP !
Jim, WB4ILP

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, October 02, 2014 2:59 PM
To: 'L L bahr ' pulsarxp@... [ham-antennas]
Subject: Re: [ham-antennas] Big Ass Tuner

Gee. That IS a nice little tuner all right. :-)

About 30 years ago, I built a balanced antenna coupler with parts taken from

an ex-military Wilcox 96A transmitter which operated at 3500 watts
full-plate
modulated AM.

Although it is pretty old, I'll try to post photos of it here.

It makes your BAT look small by comparison. ;-)

Ken W7EKB

34308. Re: AW: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 22:30:00 UTC
From: Myron WVØH
Topic: 34262 Message: 34308
Attachments: 1 described; binary payloads are missing from this source WARC

So you're going to split hairs between an air core vs toroid tuner when the total loss for both is 0.15dB!

Let's (for the sake of argument) call the air core tuner loss 0.05dB and the toroid tuner loss 0.1dB, what's 0.05dB between friends?

True, the air core one on the right could handle 250W whereas the one on the left has been tested at only 100W, I use these at QRP levels anyway.

Myron WVØH
Printed on Recycled Data

> On Oct 2, 2014, at 1:01 PM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> And I have yet to see anything with a toroid be more efficient than an air wound inductor
>
> Joe WB9SBD
> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 10/2/2014 1:52 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] wrote:
>> Only because there are just 2 knobs to turn does not mean the efficiency is
>> better ... if you have very high or very low impedance then you need a very
>> wide range tuner with BIG parts
>>
>> If the s match is better in that tuning range can just be measured if you
>> have BOTH tuners and could measure the current in the wires (more fire in
>> the wire means more output to antenna)
>>
>> Dg9bfc
>>
>> Sigi
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>>
>>
>>> -----Ursprüngliche Nachricht-----
>>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>> Gesendet: Donnerstag, 2. Oktober 2014 15:35
>>> An: ham-antennas@yahoogroups.com
>>> Betreff: Re: [ham-antennas] Balanced vs unbalanced
>>>

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>>> S-Match, only two adjustments:
>>>
>>> http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm
>>>
>>> Mark Jordan, PY3SS
>>>
>>>
>>> On 02-Oct-14 10:53, Joe nss@... [ham-antennas] wrote:
>>>
>>>
>>> Now can this be any better?
>>>
>>> An Un Balanced input so every modern radio is happy, AND no baluns
>>> of any kind for the balanced output.
>>>
>>> The good old Johnson KW Matchbox.
>>>
>>> http://w4neq.com/img/kwmatch.jpg
>>>
>>> Joe WB9SBD
>>>
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>> ------------------------------------
>> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
>> ------------------------------------
>>
>> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
>> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
>> Post message: ham-antennas@yahoogroups.com
>> Subscribe: ham-antennas-subscribe@yahoogroups.com
>> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>> List owner: ham-antennas-owner@yahoogroups.com
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34309. Re: [ham-antennas] Mosley Classic 33 and Yaesu 450a

Yahoo group: ham-antennas (2014)
Date: 2014-10-02 23:19:21 UTC
From: Keith Heimbold
Topic: 34305 Message: 34309

Radio is a great deal. Find a local tech to fix. Yaesu is expensive.

Sent from my iPhone please excuse typos

> On Oct 2, 2014, at 12:49 PM, "fconte@cfl.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I fellow from my radio club is selling his Mosley Classic 33 for $100 and a Yaesu 450a for $175 and was wondering if this is a good deal.
>
> The 450a's dial doesn't track properly and needs to be repaired, is this easily fixed or would it need to be sent to Yaesu for repair?
>
>
>
> Thanks for any advise you can provide...
>
>
>
> Fred
>
> KK4PSX
>
>

34310. Re: Big Ass Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 00:48:08 UTC
From: A
Topic: 34297 Message: 34310

My Heath kit , SA2060A i thought was a BAT ! hihihi , "AJ" W5HEH

34311. RE: [ham-antennas] Re: Really BIG Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 02:10:41 UTC
From: Gary H. Harmon, Jr.
Topic: 34311 Message: 34311

A very nice job indeed!

Gary H. Harmon, Jr. - K5JWK

List Moderator

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, October 02, 2014 7:48 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Really Big Tuner

My Heath kit , SA2060A i thought was a BAT ! hihihi , "AJ" W5HEH

34312. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 03:18:34 UTC
From: James Bennett
Topic: 34262 Message: 34312

Myron -

Nice looking setup with your KX3. Can you give us a rundown on the stuff we see in the photo?

Tnx, Jim / W6JHB

On Thursday, Oct 2, 2014, at Thursday, 3:30 PM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> So you're going to split hairs between an air core vs toroid tuner when the total loss for both is 0.15dB!
>
> Let's (for the sake of argument) call the air core tuner loss 0.05dB and the toroid tuner loss 0.1dB, what's 0.05dB between friends?
>
> True, the air core one on the right could handle 250W whereas the one on the left has been tested at only 100W, I use these at QRP levels anyway.
>
> <image1.JPG>
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 2, 2014, at 1:01 PM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> And I have yet to see anything with a toroid be more efficient than an air wound inductor
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>> Joe WB9SBD
>> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com
>> http://www.idle-tyme.com
>> On 10/2/2014 1:52 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] wrote:
>>> Only because there are just 2 knobs to turn does not mean the efficiency is
>>> better ... if you have very high or very low impedance then you need a very
>>> wide range tuner with BIG parts
>>>
>>> If the s match is better in that tuning range can just be measured if you

>>> have BOTH tuners and could measure the current in the wires (more fire in
>>> the wire means more output to antenna)
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>>> Dg9bfc
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>>>> -----Ursprüngliche Nachricht-----
>>>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
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>>>> S-Match, only two adjustments:
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>>>> http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm
>>>>
>>>> Mark Jordan, PY3SS
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>>>>
>>>> On 02-Oct-14 10:53, Joe nss@mwt.net [ham-antennas] wrote:
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>>>>
>>>> Now can this be any better?
>>>>
>>>> An Un Balanced input so every modern radio is happy, AND no baluns
>>>> of any kind for the balanced output.
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>>>> The good old Johnson KW Matchbox.
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>>>> http://w4neq.com/img/kwmatch.jpg
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>>>> Joe WB9SBD
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>>> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
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>>> Any statements in ANY post that may be construed as inflamatory MAY be cause for
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>>> List owner: ham-antennas-owner@yahoogroups.com
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34313. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 03:38:48 UTC
From: Myron WVØH
Topic: 34262 Message: 34313
Attachments: 2 described; binary payloads are missing from this source WARC

Thanks Jim,

Yes, from the left side there is my homebrew BLT which is comprised of a 4:1/1:1 switchable balun attached to a perf board holding a T106-6 autotransformer with taps and Radio Shack binding posts. I attached the output of that BLT to the output of the second BLT made from some coilstock and an Elecraft BL2. The output of the BL2 is feeding the Elecraft DL1 dummy load and peak voltage detector. The peak detector monitors the voltage across half of the 50 Ω load and with some math one can obtain the power level. Quite accurately I might add.

Anyway, I set this up to measure the back to back loss of the two tuners when they were tuned to a high Z load. I first started out by attaching a 4.7k Ω resistor to the output of the first BLT on the left and adjusted for lowest SWR on my AAS-600. Then I did the same for the BLT on the right. I removed the resistor and hooked them together from Low Z to high Z then high Z to low Z, back to back. The picture shows one air variable removed because the tuning solution favored no capacitance for the left most BLT. To measure the loss, all I did was to measure the power out of the K2, log it. Insert the whole shebang, remeasure at the output, measure and calculated the loss. If memory serves me correctly it was around 0.15dB through both tuners from input to output.

The whole BLT is really an autotransformer circuit with ties back to the Palstar BT-1500 design with one important distinction, mine is a balanced autotransformer design, the BT-1500 is not. At one time I played with grounding the center tap but the whole unit was so well balanced, it didn't seem necessary. The smaller T106 design follows the schematic below while the BL2 one with the coilstock has input taps at turn 3 up from the center and has a center tap, mainly for mechanical stability.

Myron WVØH
Printed on Recycled Data

> On Oct 2, 2014, at 9:18 PM, James Bennett w6jhb@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Myron -
>
>
> Nice looking setup with your KX3. Can you give us a rundown on the stuff we see in the photo?
>
> Tnx, Jim / W6JHB
>
>
>> On Thursday, Oct 2, 2014, at Thursday, 3:30 PM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> So you're going to split hairs between an air core vs toroid tuner when the total loss for both is 0.15dB!
>>

>> Let's (for the sake of argument) call the air core tuner loss 0.05dB and the toroid tuner loss 0.1dB, what's 0.05dB between friends?
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>> True, the air core one on the right could handle 250W whereas the one on the left has been tested at only 100W, I use these at QRP levels anyway.
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>>> And I have yet to see anything with a toroid be more efficient than an air wound inductor
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>>> Joe WB9SBD
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>>> The Original Rolling Ball Clock
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>>> http://www.idle-tyme.com
>>> On 10/2/2014 1:52 PM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] wrote:
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>>>> wide range tuner with BIG parts
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>>>> If the s match is better in that tuning range can just be measured if you
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>>>>> An: ham-antennas@yahoogroups.com
>>>>> Betreff: Re: [ham-antennas] Balanced vs unbalanced
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>>>>> S-Match, only two adjustments:
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>>>>> Now can this be any better?
>>>>>
>>>>> An Un Balanced input so every modern radio is happy, AND no baluns
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>>>>> The good old Johnson KW Matchbox.
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>>>>> http://w4neq.com/img/kwmatch.jpg
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>>>> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
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34314. Re: [ham-antennas] Re: Really BIG Tuner

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 06:26:49 UTC
From: L L bahr
Topic: 34311 Message: 34314

Yes, Gary, Mike W5MP is doing it right. He has been making changes as he is going along. Mike had Oren-Elliot, the capacitor manufacturer special make those 4 variables. I think they are around 300 pf each and cost him $250 each. That roller inductor I think it a Bower but I can't remember. I know it is for broadcast service. The baluns have been changed a couple times and he is again changing them once more. He is using one for 80-40 and another for the higher bands. The tuner is not made to go on 160. I loaned him my Palstar balanced tuner. You can see it on his shelf. He made studies of it and really poured the coals to it. The Palstar barely got warm. But, he has a Flex Radio among others and for some reason the Palstar left a local broadcast station through it and it caused havoc in his Flex front end. For that reason he changed the design to two variables on either side of the inductor. That stopped the BC station from getting into the Flex. However, that design is not as efficient as the one used in the Palstar. What is not shown are the multiple transmitting mica caps that get switched in to pad the variables. That way the higher bands are easier to tune plus he has verniers on the shafts. His switch to put the caps in parallel and switch across the variables is semi home made and was originally a military switch. I think the inductor is somewhere around 18 uH. The whole project has been going on for 6 months. One thing is certain, there is no perfect tuner. To do one thing you give up something else. I guess a lot has to do with how you plan to use it. If a guy was going to build a tuner on the cheap you could accomplish a lot for very little by not automating the project and use movable hand taps. There is a lot more flexibility that way. You really don't need a cabinet either as radiation off of a tuner is minimal.
Lee, w0vt

A very nice job indeed!

Gary H. Harmon, Jr. - K5JWK
List Moderator

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, October 02, 2014 7:48 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Really Big Tuner

My Heath kit , SA2060A i thought was a BAT ! hihihi , "AJ" W5HEH

34315. Yagi Optimizer v6.53 needed

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 11:51:22 UTC
From: W1GOR
Topic: 34315 Message: 34315

Does anyone have an installable copy of Yagi Optimizer v 6.53 that I can download. For some unknown reason, my YO.EXE file has become corrupt.

34316. HB35c antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 21:18:34 UTC
From: Alan
Topic: 34316 Message: 34316

Hi, Can anyone help me with the assembly instructions for
the Tet-Emtron HB35C tribander.
I seem to have stored mine in a very safe place (wish I knew where it was!).
It is mainly the various lengths and spacings that I need as I had to
disassemble my antenna then cannot find my set of assembly intructions
duh!!!

thanks
Alan ZL3KR

34317. RE: [ham-antennas] HB35c antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 21:47:02 UTC
From: John Murphy
Topic: 34316 Message: 34317

Alan,

Here is a place, the original producer of the antenna, that you may try to contact and possibly get a copy of the instruction s for the anennna.

http://www.tetemtron.com.au/product-p/hb-35c.htm

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@gmail.com

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, October 03, 2014 3:19 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] HB35c antenna

Hi, Can anyone help me with the assembly instructions for
the Tet-Emtron HB35C tribander.
I seem to have stored mine in a very safe place (wish I knew where it was!).
It is mainly the various lengths and spacings that I need as I had to
disassemble my antenna then cannot find my set of assembly intructions
duh!!!

thanks
Alan ZL3KR

34318. Re: [ham-antennas] Balanced vs unbalanced

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 22:21:12 UTC
From: James Bennett
Topic: 34262 Message: 34318

Myron - thanks for the post & explanation. Very impressive, and it sounds like you put a lot of thought into this design!

Jim / W6JHB

On Thursday, Oct 2, 2014, at Thursday, 8:38 PM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Thanks Jim,
>
> Yes, from the left side there is my homebrew BLT which is comprised of a 4:1/1:1 switchable balun attached to a perf board holding a T106-6 autotransformer with taps and Radio Shack binding posts. I attached the output of that BLT to the output of the second BLT made from some coilstock and an Elecraft BL2. The output of the BL2 is feeding the Elecraft DL1 dummy load and peak voltage detector. The peak detector monitors the voltage across half of the 50 Ω load and with some math one can obtain the power level. Quite accurately I might add.
>
> Anyway, I set this up to measure the back to back loss of the two tuners when they were tuned to a high Z load. I first started out by attaching a 4.7k Ω resistor to the output of the first BLT on the left and adjusted for lowest SWR on my AAS-600. Then I did the same for the BLT on the right. I removed the resistor and hooked them together from Low Z to high Z then high Z to low Z, back to back. The picture shows one air variable removed because the tuning solution favored no capacitance for the left most BLT. To measure the loss, all I did was to measure the power out of the K2, log it. Insert the whole shebang, remeasure at the output, measure and calculated the loss. If memory serves me correctly it was around 0.15dB through both tuners from input to output.
>
> The whole BLT is really an autotransformer circuit with ties back to the Palstar BT-1500 design with one important distinction, mine is a balanced autotransformer design, the BT-1500 is not. At one time I played with grounding the center tap but the whole unit was so well balanced, it didn't seem necessary. The smaller T106 design follows the schematic below while the BL2 one with the coilstock has input taps at turn 3 up from the center and has a center tap, mainly for mechanical stability.

34319. re:HB35C

Yahoo group: ham-antennas (2014)
Date: 2014-10-03 22:48:43 UTC
From: Alan
Topic: 34319 Message: 34319

Thanks John I shall give them a try
Alan ZL3KR

34320. Re: Yagi Optimizer v6.53 needed

Yahoo group: ham-antennas (2014)
Date: 2014-10-04 15:20:08 UTC
From: ke7zag@...
Topic: 34315 Message: 34320

The program is still available from http://www.iw5edi.com/software/yagi-optimizer
http://www.iw5edi.com/software/yagi-optimizer

Randy

34321. Re: HB35c antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-04 19:58:01 UTC
From: Chris Wright
Topic: 34316 Message: 34321

Alan, if you don't have any luck in getting the download for the HB35C let me know and I will see if I can up load mine only my scanner is playing funny buggers.I am going to pull mine down and sell it as I have other things I want to do.ThanksChris vk2uw Looking for a High Quality Amplifier? If you need the best? then buy the best! Be confident and in control of your station at all times.
check link supplied for your needs in "HF" Amplifiers. http://www.emtron.com.au/

34322. re:HB35C

Yahoo group: ham-antennas (2014)
Date: 2014-10-04 21:22:19 UTC
From: Alan
Topic: 34319 Message: 34322

Hi Chris,
thanks for your reply, I have sent an email to
Mark at Emtronics so will see if he can help me,
if not I will be back in touch
Alan ZL3KR

34323. Flex Weave wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-05 15:16:52 UTC
From: ka9zap@...
Topic: 34323 Message: 34323

I'm looking to replace the thhn #12 wire on my 80 Meter Windom with # 12 Flex Weave covered in black.

Any advice as to its strength, compaired to the thhn #12 and where to get the best price is greatly appreciated.

Looking on ebay as well the pricing is better on some sellers question can they be trusted?

Regards
Art
ka9zap

34324. Re: [ham-antennas] Flex Weave wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-05 16:53:37 UTC
From: Geoff NW7GM
Topic: 34323 Message: 34324

Ebat can be a crapshoot at times, though I have never had a problem buying from there.

Why not just buy it from The Wireman?

On Sunday, October 5, 2014, ka9zap@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I'm looking to replace the thhn #12 wire on my 80 Meter Windom with # 12
> Flex Weave covered in black.
>
>
> Any advice as to its strength, compaired to the thhn #12 and where to
> get the best price is greatly appreciated.
>
>
> Looking on ebay as well the pricing is better on some sellers question can
> they be trusted?
>
>
> Regards
>
> Art
>
> ka9zap
>
>
>
>

--
Geoff, NW7GM
Seattle, WA
CN87tr

34325. Re: [ham-antennas] Flex Weave wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-05 19:42:46 UTC
From: p_chap@...
Topic: 34323 Message: 34325

I agree Geoff. I am less than 200 mi from Wireman. Get everything worst case 2 days later. Been buying wire and coax there over fifteen years, trouble-free. Sometimes I can get a bit better price elsewhere, but the hassle factor is not worth it. Silver plated PL 259 etc from Max-Gain usually at hamfest if they have a space. Stone Mountain hamfest coming up. Time to go stock up.

34326. Re: [ham-antennas] Flex Weave wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-05 23:58:08 UTC
From: Geoff NW7GM
Topic: 34323 Message: 34326

Yeah, I agree with the MaxGain for connectors. I don't think I have seen any silver/teflon connectors for any cheaper of a price than what they have. I'm about to put in a fiberglass order with them and will be adding some connectors to the list as well.

Geoff, NW7GM
Seattle, WA
CN87tr
On Oct 5, 2014 12:42 PM, "p_chap@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> I agree Geoff. I am less than 200 mi from Wireman. Get everything worst
> case 2 days later. Been buying wire and coax there over fifteen years,
> trouble-free. Sometimes I can get a bit better price elsewhere, but the
> hassle factor is not worth it. Silver plated PL 259 etc from Max-Gain
> usually at hamfest if they have a space. Stone Mountain hamfest coming up.
> Time to go stock up.
>
>

34327. Re: Flex Weave wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 11:55:45 UTC
From: email4utoo@...
Topic: 34323 Message: 34327

On Max-Gain, all i can say is WOW when i soldered my Coax it flows so well, never seen anything like them since when i was a teen in the 60s ,we did not see this . I ordered them online , phoned them, they were very helpful . I just hope the tolerances on all these different connections fit together well so we do not have intermittent issues . So far so good with my TS930. On Wire , i got some Teflon wire from Ebay seems like good quality so far , i wound a Balun with it . I do see some Free Shipping deals that i am considering for a full size 80 meter Loop i am planning to build to before winter sets in . Had a Qso with a Fellow Ham who told me he used 16awg or so Dog wire from the Farm store a 500 ft roll is cheap and he added 68ft of 14GA and His signal is strong , he likes it , tunes 160,80,40 + more bands , uses a Tuner when needed . I am tempted to try this . He is running an amp about 800 watts + by the way. or he Feeds it with 450ohm 41ft of line from Wireman . to his tuner . 73s, AJ W5HEH

34328. Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 12:07:03 UTC
From: email4utoo@...
Topic: 34262 Message: 34328

hihi, spelling mixed together OOPS ! RAHRO, 73s, AJ W5HEH

34329. Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 12:09:32 UTC
From: email4utoo@...
Topic: 34262 Message: 34329

So is a Heathkit SA-2060 a Coupler or Tuner ?

34330. Re: [ham-antennas] Re: High power balun, what voltage rating for wire?

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 16:59:18 UTC
From: Kenneth G. Gordon
Topic: 34262 Message: 34330

On 6 Oct 2014 at 5:09, email4utoo@... [ham-antennas] wrote:

> So is a Heathkit SA-2060 a Coupler or Tuner ?

I have never noticed a practical difference.

Whatever you call it, it couples the transmitter to the line/antenna, and you tune it to achieve a match.

So call it whatever floats your boat.

Ken W7EKB

34331. 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 19:30:34 UTC
From: wa1rkt@...
Topic: 34331 Message: 34331

Just wondering if a 2 wavelength horizontal loop for 160 will be a significantly better performer on 160, 80, and 40 than a 1 wavelength horizontal loop for 160.

Elevation above ground will be 50 feet in both cases.

Doing the 2-wl loop will be a lot more work, probably 4x or 6x the work or more, and most importantly I'm pretty sure I can't do it in one day's rental of a $300/day cherry picker. So unless I'm really going to see a difference I'll probably stick with the 1-wl.

Just wondering if any of you have done a real-world side-by-side comparison of a 1wl vs 2wl loop at the same elevation.

Thanks...

Rick WA1RKT

34332. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-06 22:57:22 UTC
From: farrerfolks@...
Topic: 34331 Message: 34332

Hi Rick.

I have done a lot with large loops. They work but with a lot of conditions.. You did not indicate what your purpose was DX or general. Here is a little excerpt from some of my modelling and personal tests.

Conditions: Square 1 wl loop, height constant -10 feet so at 50 feet average height will be +/- 45 feet.
#14 AWG copperweld with lots of tension. It took a comealong to get just 10 feet of sag in the middle of the 546 leg.the sag was 15 feet on first try. Finally telephone guy wire and turnbuckles to achieve the 10 feet.

I did not do a 2 wl loop but would expect to have to have centenary lines from taller poles or more poles to maintain the average height.

OK Model results then my experience.

1 wl 546 feet on a side 45 feet height.

160 meters 4 major lobes with max energy at 37.5 degrees elevation and 7.9 dBi Deep vertical null
80 meters 4 major lobes longitudinally 22 degrees off axis at 30 degrees elevation 9.11 dBi very little side lobes
40 meters Many lobes omni at 24 degrees elevation very deep nulls 8.36 dBi

This one I built. It worked for DX on all bands, but was bad for anything out of the ground wave area getting better until 1000 to 1500 miles out then good signal reports. on 160, 80 and 40 With this condition. The pattern on all bands above the design, that is 80 and 40 suffered terrible nulls and caused either no copy against other antennas or QSB was dominate. But a much smaller 4 square would beat it on very long haul signals.

2 wl 1092 on a side at 45 feet height

Only modeling results to offer.

160 8 major lobes omni deep nulls at 32 degrees elevation 9.28 dBi
80 16 major lobes omni deep nulls at 24 degrees elevation 8.95 dBi
40 32 major lobes omni deep nulls at 18 degrees elevation 10.73 dBi

Hope this gives you more inputs.

Mel, K6KBE

---In ham-antennas@yahoogroups.com, <wa1rkt@...> wrote :

Just wondering if a 2 wavelength horizontal loop for 160 will be a significantly better performer on 160, 80, and 40 than a 1 wavelength horizontal loop for 160.

Elevation above ground will be 50 feet in both cases.

Doing the 2-wl loop will be a lot more work, probably 4x or 6x the work or more, and most importantly I'm pretty sure I can't do it in one day's rental of a $300/day cherry picker. So unless I'm really going to see a difference I'll probably stick with the 1-wl.

Just wondering if any of you have done a real-world side-by-side comparison of a 1wl vs 2wl loop at the same elevation.

Thanks...

Rick WA1RKT

34333. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 00:33:26 UTC
From: soona4sail@...
Topic: 34331 Message: 34333

I,ve been running a horizontal 160 mtr loop at 85 ft for the past decade. I really like it, especially on the higher bands for DX, where the takeoff angle becomes very low. Multi lobes are present , as are some nulls.

I,m expanding the loop to just over 1050 ft this week, and will pass on my observations once I get a good idea of how it performs.

There is also a Yahoo "Loops" group, you may wish to check out.

73 John

34334. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 00:57:16 UTC
From: wa1rkt@...
Topic: 34331 Message: 34334

>> You did not indicate what your purpose was DX or general.

Good evening, Mel.

Not tremendously interested in DX on the low bands, it's just not my main focus. Main objective is NVIS on 160 thru 40 (and the nearby CAP and MARS freqs). Some "easy" DX (Europe and west coast US) on 40 could be handy at times.

>> Square 1 wl loop... a comealong to get just
>> 10 feet of sag in the middle of the 546 leg.

????

The 546 (ft) leg?

One wavelength for 160 meters (1.9 MHz) should be 529 feet all the way around, right? If it's a perfect square (which is rare), each side should be about 132 feet. I wouldn't think it'd be too hard to get most of the slack out of that especially since there isn't a feedline and center insulator in the middle to weigh things down.

I have a lot of tall trees rather densely packed in my back lot, so if I had to support a side in the middle of its run, I can mostly do that. A big part of the job is going to be clearing out vegetation and tree branches up to the 50-foot level so I can run the wire without it getting tangled up in branches. That's the part of the job I don't think I can do all in one day with the $300/day cherry picker.

>> 160 meters 4 major lobes with max
>> energy at 37.5 degrees elevation
>> and 7.9 dBi Deep vertical null

Since I posted my question I found a few articles with illustrated models. Unless their authors did their models wrong, what you describe seems indicative of a 2-wavelength loop, i.e. 1058 feet all the way around for 1.9 MHz. Their models showed a 1-wl loop (529 feet around) with a nice fat lobe going straight up... just what I need.

So if NVIS is my main focus, seems like the 2-wl loop isn't going to work in any case, and a 1-wl loop for 160 isn't going to give me what I need on 80 since it'll be 2 wl on 80 with the deep vertical null (not sure, yet, what it'll give me on 40).

This morning I threw up a temporary 1-wl loop for 80, about 15-20 feet high, and used it on one of tonight's MARS nets above 40. Worked OK but not as well as I hoped. Since it's 2 wl on 40, that makes sense according to the models I've seen.

What do your models show for a 1-wl loop for 160 (529 feet around) used on 40?

Rick WA1RKT

34335. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 02:06:08 UTC
From: dalecole3502@...
Topic: 34284 Message: 34335

Greg;
I like the antenna you suggested. Does the "cold" side of the twin-lead connect to the "hot" side of the twin-lead, or is it just snipped off? (at the upper level of the diagram).

On my tuner, I have 4 positions, Coax 1 Direct, Coax 2 Direct, plus a coax 1 & 2 which run through a 4:1 balun. If I do as the schemetic shows, I would be running the ladder line into a 4:1 balun, and then being able to make the 75 foot run through the crawl space to the tuner, which would again run through a 4:1 balun. Using the direct positions would bypass the the tuning portion of the tuner.

Currently, I have my Coax 1 swith in line with the 160 trap vertical, a small beam (unfixable at this time) and my 6btv. I use a switch to determine which to select. As traps, there is not reason to tune. But in bringing in the coax for the 75/80 meter it would have to go through the tuner, where we again hit a second 4:1.

Got all that? Clear as mud, right?
Dale K8TS

----- Original Message -----

From: "k3ang@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 1, 2014 3:18:24 PM
Subject: [ham-antennas] Re: cheap & easy 80 meter

FWIW, I recommend the W3EDP antenna.

There's info about it all over the Net, but I like this site best.

The Adventures of VE3CLQ: W3EDP Antenna

The Adventures of VE3CLQ: W3EDP Antenna
Next weekend is Winter Field Day and the group which is taking part from the Frontenac Radio Group decided today which antennas we will be using. So, t...

View on ve3clq.blogspot.com

Preview by Yahoo

73 & GL

de K3ANG

34336. AW: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 03:31:11 UTC
From: siegfried jackstien
Topic: 34331 Message: 34336

But mel ... he asked about 2 wl instead of 1 wl (320 or 160m) ... and your smaller one is 4 wl (1 wl per side) and big one is 8 wl (2wl per side) ... right?!?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 6. Oktober 2014 22:57
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop
>
>
>
> Hi Rick.
>
> I have done a lot with large loops. They work but with a lot of
> conditions.. You did not indicate what your purpose was DX or general.
> Here is a little excerpt from some of my modelling and personal tests.
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> Conditions: Square 1 wl loop, height constant -10 feet so at 50 feet
> average height will be +/- 45 feet.
> #14 AWG copperweld with lots of tension. It took a comealong to get just
> 10 feet of sag in the middle of the 546 leg.the sag was 15 feet on first
> try. Finally telephone guy wire and turnbuckles to achieve the 10 feet.
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> I did not do a 2 wl loop but would expect to have to have centenary lines
> from taller poles or more poles to maintain the average height.
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> OK Model results then my experience.
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> 1 wl 546 feet on a side 45 feet height.
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> 160 meters 4 major lobes with max energy at 37.5 degrees elevation and 7.9
> dBi Deep vertical null
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> elevation 9.11 dBi very little side lobes
> 40 meters Many lobes omni at 24 degrees elevation very deep nulls 8.36 dBi
>
> This one I built. It worked for DX on all bands, but was bad for anything
> out of the ground wave area getting better until 1000 to 1500 miles out
> then good signal reports. on 160, 80 and 40 With this condition. The
> pattern on all bands above the design, that is 80 and 40 suffered terrible
> nulls and caused either no copy against other antennas or QSB was

> dominate. But a much smaller 4 square would beat it on very long haul
> signals.
>
> 2 wl 1092 on a side at 45 feet height
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> Only modeling results to offer.
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> 160 8 major lobes omni deep nulls at 32 degrees elevation 9.28 dBi
> 80 16 major lobes omni deep nulls at 24 degrees elevation 8.95 dBi
> 40 32 major lobes omni deep nulls at 18 degrees elevation 10.73 dBi
>
> Hope this gives you more inputs.
>
> Mel, K6KBE
>
>
>
>
> ---In ham-antennas@yahoogroups.com, <wa1rkt@...> wrote :
>
>
> Just wondering if a 2 wavelength horizontal loop for 160 will be a
> significantly better performer on 160, 80, and 40 than a 1 wavelength
> horizontal loop for 160.
>
> Elevation above ground will be 50 feet in both cases.
>
> Doing the 2-wl loop will be a lot more work, probably 4x or 6x the work or
> more, and most importantly I'm pretty sure I can't do it in one day's
> rental of a $300/day cherry picker. So unless I'm really going to see a
> difference I'll probably stick with the 1-wl.
>
> Just wondering if any of you have done a real-world side-by-side
> comparison of a 1wl vs 2wl loop at the same elevation.
>
> Thanks...
>
> Rick WA1RKT
>
>

34337. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 08:27:48 UTC
From: jeffrey lord
Topic: 34284 Message: 34337

I have a 150 ft non resonate loop 18ft in the air, which tunes 80mt to 10mt , worst vswr is 1.6:1.
previous antenna was a doublet, both were and are fed with open wire feeder, to a 4: balun, then to a MFJ941D manual tuner .

Cheers,
Jeff
VK4 FNRS

34338. Single band cobweb antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 14:06:24 UTC
From: Keith Heimbold
Topic: 34338 Message: 34338

I am in the process of building a single band 10m cobweb antenna for experimental purposes and wonder if anyone has tried this before launching into the multiband version. Will the feed impedance remain the same as described on the various websites for the single band cobweb antenna versus multiband. Any insights would be great!

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34339. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 14:21:03 UTC
From: A
Topic: 34331 Message: 34339

i will share from Operators on Nets etc in the last few weeks have - one guy pushes good signal from West to East coast with 160 ft loop , yah that is right total 160ft , he swears by it hard and strongly tell others to try it and ignore the models - not super high up like 30-40' max .
Other one - 577' feeds this one with 450 ohm as well uses it 40-10 and i believe a tuner .
Another mentioned to me to search "MAYPOLE" SATERN group- Salvation Army site he has this with great signal and is Net Control on prominent late night 40 meter Net .
i have the room so i am thinking 80-160 1 WL loop square with 450 ohm feed, i do have Big Tuner if needed . just not sure of length yet , i was considering 14 AWG Hard Drawn Copper , (annealed is Soft Drawn) , 7 Strands. WireMan sells it and also on EBay some deals shipped to your door free.

Another Fellow uses the Galvanized Fence posts tops 1 7/8s 21ft each , and welded 5/8s ribs on two sides at 45Degree angle all the length to prevent too much flexing in wind , used mig wire welder , just watch out for stabilizing while welding so it is straight . i can email what he sent me if you wish, a lot of details . I am very Grateful for all the help from here and others !

Anyone can chime in to share on these- for me i am and old new Hillbilly Ham who just is enjoying all , not in a rush for WAS or DX , just making Friends to visit at Hamfests and Nets . I have Trees to run them up + will have to have some type of support in between - Copper weld is strong and less expensive but not easy to put up ?? What about its stretching properties ? I understand it should radiate FB . Rick let us know what you do , and hope to hear you on the Waves sometime,

Tnx , 73s, AJ W5HEH

34340. Re: AW: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 14:24:51 UTC
From: farrerfolks@...
Topic: 34331 Message: 34340

You are right Sigi! Unfortunately, I have always talked about loops in the terms of length on a side. My mistake, hi. Anyway, any low loop will still generate a null in the vertical plane. So not really good for NVIS use. I use a OCF dipole design. Still more omni pattern and multi band but has more energy in the vertical plane for NVIS.

Mel,, K6KBE

34341. Re: [ham-antennas] Single band cobweb antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 14:32:54 UTC
From: ka9p@...
Topic: 34338 Message: 34341

Hi Keith, cant say about 10 from experience but I expect so - I did a singe wire 17 meter last year with a 1:4 balun and it was spot on. 73 Scott

In a message dated 10/7/2014 9:07:04 A.M. Central Daylight Time, ham-antennas@yahoogroups.com writes:

I am in the process of building a single band 10m cobweb antenna for experimental purposes and wonder if anyone has tried this before launching into the multiband version. Will the feed impedance remain the same as described on the various websites for the single band cobweb antenna versus multiband. Any insights would be great!

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

Posted by: Keith Heimbold <ag6az@...>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted. Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

34342. Re: [ham-antennas] Single band cobweb antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 14:40:28 UTC
From: Geoff NW7GM
Topic: 34338 Message: 34342

Just curious, which version are you going to be building? The single-wire/balun version or the twin-lead (original) one?

I am currently in the process of gathering all of my materials for a 7-band version (40-10). All I have left to get is my fiberglass tubing for the arms.

Geoff, NM7V (ex NW7GM)
Seattle, WA
CN87tr

On Tue, Oct 7, 2014 at 7:06 AM, Keith Heimbold ag6az@hotmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I am in the process of building a single band 10m cobweb antenna for
> experimental purposes and wonder if anyone has tried this before launching
> into the multiband version. Will the feed impedance remain the same as
> described on the various websites for the single band cobweb antenna versus
> multiband. Any insights would be great!
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34343. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 15:02:58 UTC
From: wa1rkt@...
Topic: 34331 Message: 34343

>> any low loop will still generate a null in the vertical plane

Good morning, Mel.

Are you sure about that? The models I have seen show a deep vertical null for a 2-wl loop but a nice fat lobe, pointing straight up, for a 1-wl loop (depending on elevation, presumably).

Rick WA1RKT

34344. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 15:21:53 UTC
From: soona4sail@...
Topic: 34331 Message: 34344

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm

http://www.k5rcd.org/hor%20loop%20instruct.htm

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm
HORIZONTAL LOOP ANTENNA CONSTRUCTION The Horizontal Loop, also known as the Loop Skywire Antenna, is an old but very effective design.

View on www.k5rcd.org http://www.k5rcd.org/hor%20loop%20instruct.htm
Preview by Yahoo

34345. Ameritron RCS-4 question...

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 15:39:38 UTC
From: David Cole
Topic: 34345 Message: 34345

Hi,
I will be installing an RCS-4 on the side of a building today... Any suggestions on what to do with the open unused SO-239 connections? Cover them with some sort of weatherproofing, or leave open? All are covered by the box itself, and pointing downwards. Any suggestions would be helpful...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

34346. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 18:04:30 UTC
From: Don Sanders
Topic: 34284 Message: 34346

Jeffery, VK4FNRS, how does the loop work?
It is just over 1 Lambda at 7 mhz.
I have the same idea and use my ICom AH2 tuner.

Dr. Don W4BWS

On Tue, Oct 7, 2014 at 3:27 AM, jeffrey lord jc_2aussie@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I have a 150 ft non resonate loop 18ft in the air, which tunes 80mt to
> 10mt , worst vswr is 1.6:1.
> previous antenna was a doublet, both were and are fed with open wire
> feeder, to a 4: balun, then to a MFJ941D manual tuner .
>
> Cheers,
> Jeff
> VK4 FNRS
>
>
>

34347. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 18:23:05 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34347

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/elevationplot.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : 1 wl loop 50' height 160,80,40 meter elevation plots

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/elevationplot.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

34348. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 18:25:10 UTC
From: Mel Farrer
Topic: 34331 Message: 34348

Well lets see it this works. I will copy the three lower band of elevation plots in my antenna file. You are right about a high lobe on 160, but 80 and 40 have nulls in a 1 wl loop. Under K6KBE antenna files. Will do one for 2 wl next.

Mel, K6KBE

On Tuesday, October 7, 2014 8:21 AM, "soona4sail@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  HORIZONTAL LOOP ANTENNA CONSTRUCTION
| |
| | | | HORIZONTAL LOOP ANTENNA CONSTRUCTION HORIZONTAL LOOP ANTENNA CONSTRUCTION The Horizontal Loop, also known as the Loop Skywire Antenna, is an old but very effective design. | |
| View on www.k5rcd.org | Preview by Yahoo |
| |

34349. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 18:28:48 UTC
From: Mel Farrer
Topic: 34331 Message: 34349

2 wl has nulls on all three bands.
Mel, K6KBE

On Tuesday, October 7, 2014 11:25 AM, Mel Farrer <farrerfolks@...> wrote:

Well lets see it this works. I will copy the three lower band of elevation plots in my antenna file. You are right about a high lobe on 160, but 80 and 40 have nulls in a 1 wl loop. Under K6KBE antenna files. Will do one for 2 wl next.

Mel, K6KBE

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34350. Re: [ham-antennas] Ameritron RCS-4 question...

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 18:52:02 UTC
From: Geoff McAlpin
Topic: 34345 Message: 34350

They make so239 covers.

On Tuesday, October 7, 2014, David Cole dave@nk7z.net [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi,
> I will be installing an RCS-4 on the side of a building today... Any
> suggestions on what to do with the open unused SO-239 connections?
> Cover them with some sort of weatherproofing, or leave open? All are
> covered by the box itself, and pointing downwards. Any suggestions
> would be helpful...
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34351. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 20:13:25 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34351

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/OCF multiband dipole.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : Multi band 160/80/40 meter configuration with three support masts at 50 feet.
80 and 40 require guy lines to pull into inverted V shape.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/OCF%20multiband%20
dipole.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

34352. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 20:53:35 UTC
From: Andy
Topic: 34331 Message: 34352

"The models I have seen show a deep vertical null for a 2-wl loop but a nice fat lobe, pointing straight up, for a 1-wl loop (depending on elevation, presumably)."

That is what I have seen too, both from modeling and in other discussions.

The 1-wl horizontal loop inherently has a big fat lobe going straight up (and down). When placed half a wavelength above ground, which is not so easy on 160 or even 80 meters, then the reflection from the ground causes cancellation, and in THAT unique case the lobe turns into a null going skyward. So, a 1-wavelength horizontal loop almost always makes an excellent NVIS antenna, as long as you don't use very tall trees to support it! At lower heights around 1/4-wavelength up, the ground reflection reinforces the direct wave and helps the upward-going lobe.

On the harmonics, where it is no longer a 1-wl loop, then the skyward radiation is less and the main lobes move down more towards the horizon, also developing several more unfortunate nulls in different directions.

Andy

34353. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 21:14:11 UTC
From: Ken
Topic: 34331 Message: 34353

Interesting. This fellow (K5RCD) says to absolutely use a balun and never use coax. The ARRL Antenna book recommends coax and says: "Baluns or choke coils at the feed point are not to be used. They are unnecessary. Don't let anyone talk you into using them."

Yes, antennas have absolute rights and wrongs, there is only one answer ;-)

73, Ken WA8JXM

On Oct 7, 2014, at 11:21 AM, soona4sail@... [ham-antennas] wrote:

>
>
> HORIZONTAL LOOP ANTENNA CONSTRUCTION
>
> HORIZONTAL LOOP ANTENNA CONSTRUCTION
> HORIZONTAL LOOP ANTENNA CONSTRUCTION The Horizontal Loop, also known as the Loop Skywire Antenna, is an old but very effective design.
> View on www.k5rcd.org
> Preview by Yahoo
>
>
>
>

34354. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 21:17:41 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34354

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/Multiband OCFdipole array SWR.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : SWR plot and data for Multiband dipole array on attached file.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/Multiband%20OCFdipole%20array%20SWR.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

34355. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 21:20:14 UTC
From: farrerfolks@...
Topic: 34331 Message: 34355

I ALWAYS use baluns 4:1 or 1:1 PLUS a choke balun at the antenna feedpoint. Never had RF in the shack.

Back in MY dark hole,

Mel, K6KBE

34356. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 22:01:37 UTC
From: Jeffrey Lord
Topic: 34284 Message: 34356

Actual maths I don't know
It wasn't computed , just worked on longest wire I could get in the air, that was over 7MHz
It works

Sent from my iPhone

34357. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 22:49:46 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34357

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE EZNEC files/MultibandOCFdipole.EZ
Uploaded by : farrerfolks <farrerfolks@...>
Description : Three wire dipole array 160/80/40 Plus for NVIS

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20EZNEC%20files/MultibandOCFdipole.EZ

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

34358. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 23:11:31 UTC
From: wa1rkt@...
Topic: 34331 Message: 34358

>> I will copy the three lower band of elevation plots
>> in my antenna file. You are right about a high lobe
>> on 160, but 80 and 40 have nulls in a 1 wl loop

Is that the SAME antenna on 160, then on 80, and then on 40? Or is it DIFFERENT antennas, one a 1wl loop for 160, another a 1wl loop for 80, etc.?

If the former, then the antenna is 1wl on 160, 2wl on 80, and 4wl on 40, and the plots you show are consistent with what I've seen elsewhere. But if you're modeling three different antennas each 1wl at the target frequency, then what you show is vastly different from what I've seen elsewhere. Only thing I can think of is maybe your antenna elevation is 1/2wl for 80. Even then the null wouldn't be that deep I wouldn't think.

Rick WA1RKt

34359. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 23:48:12 UTC
From: mike@...
Topic: 34331 Message: 34359

I agree! (>> any low loop will still generate a null in the vertical plane)

I have made up a 2000-plus foot loop, a 1000-plus foot loop and they were PIGS. (I had used many, MANY methods of feeding, heights, reflectors used or not, feed point locations and methods, type and length of feed-line, polarity of the window-line and so on..!) I embraced any and all suggestion. They looked magnificant, especially the 1000-plus foot loop, as it was a five-sided antenna, on poles that were all well away from trees, in an open field.

I finally learned how to interpret what the antenna modeling software (Thanks DAVE!) was showing me. Going with this CORRECT information, could easily see that the RF was not going anyplace of interest or desire! I decided to model a 75 meter loop. It looked GOOD!

I put it up, using 248 feet of #14 THHN (covered) wire at 40 feet height, on the average. It WORKED WONDERFULLY.

I made a second one, this time at 25 feet height. It also worked very well. BOTH worked LOTS better than my mega-five-sidded loops that were erected in an open field. An antenna author (I cannot recall the name, maybe it was Cebik?) had mentioned that he would NEVER AGAIN put up a loop that was larger than a full sized 75m loop. I did not believe him at first, but now I do.

Bottom line: I am voting for a full-size 75m loop.

I will add that my two 248 foot loops are a bit too LONG, but this is OK.

73; -Mike- K0JTA

---In ham-antennas@yahoogroups.com, <wa1rkt@...> wrote :

>> any low loop will still generate a null in the vertical plane

Good morning, Mel.

Are you sure about that? The models I have seen show a deep vertical null for a 2-wl loop but a nice fat lobe, pointing straight up, for a 1-wl loop (depending on elevation, presumably).

Rick WA1RKT

34360. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-07 23:52:21 UTC
From: mike@...
Topic: 34331 Message: 34360

Sorry, I had clipped the INCORRECT STATEMENT!

I meant to endorse this in my previous post: "The models I have seen show a deep vertical null for a 2-wl loop but a nice fat lobe, pointing straight up, for a 1-wl loop (depending on elevation, presumably)."

A 1 WL loop has a very effective lobe, pointing straight up. (Been there, did that, as they say.)

73, sorry for my earlier mis-quote!
-Mike- K0JTA

---In ham-antennas@yahoogroups.com, <wa1rkt@...> wrote :

>> any low loop will still generate a null in the vertical plane

Good morning, Mel.

Are you sure about that? The models I have seen show a deep vertical null for a 2-wl loop but a nice fat lobe, pointing straight up, for a 1-wl loop (depending on elevation, presumably).

Rick WA1RKT

34361. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 00:00:25 UTC
From: Ken
Topic: 34331 Message: 34361

On Oct 7, 2014, at 7:48 PM, mike@... [ham-antennas] wrote:

> An antenna author (I cannot recall the name, maybe it was Cebik?) had mentioned that he would NEVER AGAIN put up a loop that was larger than a full sized 75m loop. I did not believe him at first, but now I do.

Even for 160?

Ken WA8JXM

34362. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 00:21:19 UTC
From: Mel Farrer
Topic: 34331 Message: 34362

Sorry Rick confusion.
 I started my comments on antenna where the side length was 1 wl. That got confused with concepts of a total length of 1 wl an d 2 wl total wire. I have tried to post my correction for loop antenna that I did that was 1 wl on a side so the total length was 2 wl. Sorry for the confusion.
Mel, K6KBE

On Tuesday, October 7, 2014 5:00 PM, "Ken wa8jxm@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On Oct 7, 2014, at 7:48 PM, mike@... [ham-antennas] wrote:

An antenna author (I cannot recall the name, maybe it was Cebik?) had mentioned that he would NEVER AGAIN put up a loop that was larger than a full sized 75m loop. I did not believe him at first, but now I do.

Even for 160?
Ken WA8JXM

34363. Re: [ham-antennas] Single band cobweb antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 00:27:04 UTC
From: Goldtr8 (KD8NNU)
Topic: 34338 Message: 34363

I built a single wire version with a Balun Design 1:4 balun. Bands 20m to 10M and it is a really good antenna at 40 ft in height. It has better RX than my verticals and inverted V at 35 ft in height. I also have a 2WL 160m loop that I also use.

I have had it up in the air for a couple of years and all I can say is it was worth the build. I intentionally wanted a non directional antenna and built it based on research. I am very happy that I did. I wish I would have added a 40m band to mine.

Build it you will like it. I do not have any beam antennas to compare it to but its not a small performer even though its in a small package.

~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, October 07, 2014 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Single band cobweb antenna question

Just curious, which version are you going to be building? The single-wire/balun version or the twin-lead (original) one?

I am currently in the process of gathering all of my materials for a 7-band version (40-10). All I have left to get is my fiberglass tubing for the arms.

Geoff, NM7V (ex NW7GM)
Seattle, WA
CN87tr

On Tue, Oct 7, 2014 at 7:06 AM, Keith Heimbold ag6az@hotmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I am in the process of building a single band 10m cobweb antenna for experimental purposes and wonder if anyone has tried this before launching into the multiband version. Will the feed impedance remain the same as described on the various websites for the single band cobweb antenna versus multiband. Any insights would be great!

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34364. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 01:12:05 UTC
From: wa1rkt@...
Topic: 34331 Message: 34364

Just for the record... doing some tests this evening on 80 with the temporary 1-wl loop at about 15-20 feet and an 80-meter OCF at about 45 feet. For close-in stuff up to 200-300 miles they are about the same. Farther than that, and the OCF averages about one S-unit better.

It'll be interesting to see what happens when I get the loop up to about 50 feet.

Rick WA1RKT

34365. links for Loop articles with details

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 01:34:17 UTC
From: email4utoo@...
Topic: 34365 Message: 34365

Article Below 1st link, is by Bill Orr W6SAi , (SK, Famous Author ,Teacher), but on left side has links for many antennas including Loops- enjoy, AJ W5HEH
http://www.iw5edi.com/ham-radio/files/k0ze-loop.pdf
http://www.iw5edi.com/ham-radio/files/k0ze-loop.pdf

160 meters antennas problems and solutions - Ham Radio Library
http://www.iw5edi.com/ham-radio/?160-meters-antennas-problems-and-solutions,134

http://www.iw5edi.com/ham-radio/?160-meters-antennas-problems-and-solutions,134

160 meters antennas problems and solutions - H...
http://www.iw5edi.com/ham-radio/?160-meters-antennas-problems-and-solutions,134 160 meters antennas problems and solutions Article by Bill Orr W3SAI on solving problems on 160 meters band antennas hr_3_90.pdf, solving problem...

View on www.iw5edi.com
http://www.iw5edi.com/ham-radio/?160-meters-antennas-problems-and-solutions,134
Preview by Yahoo

34366. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 01:39:39 UTC
From: email4utoo@...
Topic: 34331 Message: 34366

why not use pulleys to raise your loop wire , or tilt bases , can be made many articles or metal fab could do it simply and cheaper than renting cherry picker , just my IMHO . AJ W5HEH

34367. Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 04:09:49 UTC
From: ac4m@...
Topic: 34331 Message: 34367

I have not used a 2-wl loop antenna , I would imagine on 160m it would have a lower take off angle vs the 1-wl loop , seems the worst part of the antenna which in a way is bad and good is on the higher bands , there are many lobes created around the horizontal full wave loop. in some directions you will have gain and others you have minus gain with fairly good take off angles, but of course height would control that a whole lot.. I would imagine the 2-wl loop would even have more crazy lobes and nulls. I have confirmed over 100 countries on the 1-wl on loop on 40-10m minus 60m which I only like 7 confirmed and only 87 confirmed on 80m with over 100 worked. on 160m I find a lack of stations on digital modes with only like 12 countries worked so far. on 160m seems like most vertical type of antennas do a little better on take off angles, but it should be better than any 1/2 wave horizontal antenna at the same height for way out there stations.. I feed mine with 450 ohm ladder line to 4:1 Balun at the shack to keep down the mismatch loss in the feedline mostly, plus the distance to the antenna.

34368. Re: [ham-antennas] Ameritron RCS-4 question...

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 04:18:09 UTC
From: Keith Heimbold
Topic: 34345 Message: 34368

I would double check the solder connections inside the remote unit before install. I bought one and it had multiple issues requiring me to send it to MFJ for repair and upon return it had issues again which stemmed from cold solder joints. Once resoldered worked fine.

Good luck!!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 7, 2014, at 8:40 AM, "David Cole dave@nk7z.net [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> Hi,
> I will be installing an RCS-4 on the side of a building today... Any
> suggestions on what to do with the open unused SO-239 connections?
> Cover them with some sort of weatherproofing, or leave open? All are
> covered by the box itself, and pointing downwards. Any suggestions
> would be helpful...
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
>

34369. Re: [ham-antennas] Ameritron RCS-4 question...

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 09:49:59 UTC
From: Van Lincoln
Topic: 34345 Message: 34369

search ebay
for covers

http://www.ebay.com/sch/i.html?_odkw=plastic+cover+uhf&_from=R40|R40|R40|R40|R40|R40|R40|R40|R40&_osacat=0&_from=R40&_trksid=p2045573.m570.l1313.TR0.TRC0.H0&_nkw=plastic+cover+uhf&_sacat=0

van wd8aam

At 04:18 10/8/2014, you wrote:

>I would double check the solder connections
>inside the remote unit before install. I bought
>one and it had multiple issues requiring me to
>send it to MFJ for repair and upon return it had
>issues again which stemmed from cold solder
>joints. Once resoldered worked fine.
>
>Good luck!!!
>
>Keith
>AK6ZZ
>
>Sent from my iPhone please excuse typos
>
>On Oct 7, 2014, at 8:40 AM, "David Cole
><mailto:dave@...>dave@...
>[ham-antennas]"
><<mailto:ham-antennas@yahoogroups.com>ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>>Hi,
>>I will be installing an RCS-4 on the side of a building today... Any
>>suggestions on what to do with the open unused SO-239 connections?
>>Cover them with some sort of weatherproofing, or leave open? All are
>>covered by the box itself, and pointing downwards. Any suggestions
>>would be helpful...
>>--
>>Thanks and 73's,
>>For equipment, and software setups and reviews see:
>><http://www.nk7z.net>www.nk7z.net
>>for MixW support see;
>><http://groups.yahoo.com/neo/groups/mixw/info>http://groups.yahoo.com/neo/groups/mixw/info
>>for Dopplergram information see:

>><http://groups.yahoo.com/neo/groups/dopplergram/info>http://groups.yahoo.com/neo/groups/dopplergram/info
>>for MM-SSTV see:
>><http://groups.yahoo.com/neo/groups/MM-SSTV/info>http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
>
>

34370. Re: [ham-antennas] Ameritron RCS-4 question...

Yahoo group: ham-antennas (2014)
Date: 2014-10-08 10:40:02 UTC
From: David Cole
Topic: 34345 Message: 34370

Hi,
I have metal caps for the SO-239 connectors, and the unit works perfectly... What I am asking is about the wisdom of covering the connectors... Are they used to allow air in to help evaporate condensate? Would putting the caps on the unused connectors make the unit too tight to get rid of condensate?

More to the point, has anyone ever put the caps on, and had an issue...

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Wed, 2014-10-08 at 09:49 +0000, Van Lincoln vlincoln@...
[ham-antennas] wrote:
>
>
> search ebay
> for covers
>
> http://www.ebay.com/sch/i.html?_odkw=plastic+cover+uhf&_from=R40|R40|
> R40|R40|R40|R40|R40|R40|
> R40&_osacat=0&_from=R40&_trksid=p2045573.m570.l1313.TR0.TRC0.H0&_nkw=plastic+cover+uhf&_
sacat=0
>
>
> van wd8aam
>
>
> At 04:18 10/8/2014, you wrote:
>
>
> > I would double check the solder connections inside the remote unit
> > before install. I bought one and it had multiple issues requiring me
> > to send it to MFJ for repair and upon return it had issues again
> > which stemmed from cold solder joints. Once resoldered worked fine.
> >
> > Good luck!!!
> >

> > Keith
> > AK6ZZ
> >
> > Sent from my iPhone please excuse typos
> >
> > On Oct 7, 2014, at 8:40 AM, "David Cole dave@...
> > [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
> >
> > >
> > >
> > > Hi,
> > > I will be installing an RCS-4 on the side of a building today...
> > > Any
> > > suggestions on what to do with the open unused SO-239 connections?
> > > Cover them with some sort of weatherproofing, or leave open? All
> > > are
> > > covered by the box itself, and pointing downwards. Any suggestions
> > > would be helpful...

34371. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-09 02:06:58 UTC
From: Andy
Topic: 34331 Message: 34371

"The ARRL Antenna book recommends coax and says: "Baluns or choke coils at the feed point are not to be used. They are unnecessary. Don't let anyone talk you into using them.""

Even the ARRL books were written by hams, and most hams have their opinions, which some try to present as fact.

Feeding a balanced antenna with an unbalanced feedline having a different impedance, and insisting on no balun, seems to ME like a contradiction right off the bat.

Andy

34372. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-09 02:43:27 UTC
From: KA4INM radio
Topic: 34331 Message: 34372

On 10/08/14 22:06, Andy ai.egrps@... wrote:

> "The ARRL Antenna book recommends coax and says: "Baluns or choke
> coils at the feed point are not to be used. They are unnecessary.
> Don't let anyone talk you into using them.""

> Even the ARRL books were written by hams, and most hams have their
> opinions, which some try to present as fact.

> Feeding a balanced antenna with an unbalanced feedline having a
> different impedance, and insisting on no balun, seems to ME like a
> contradiction right off the bat.

Some people think there is magic with antennas, there isn't but the
things that effect antennas cannot always be seen.
Like a car being parked near one end of a long dipole.

A balanced antenna does not always stay that way, a fed point 1:1
balun will minimize the grief when Murphy sets on one end of your
antenna. If your antenna is short and high such disturbances are less
likely.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34373. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-09 11:08:13 UTC
From: Ken
Topic: 34331 Message: 34373

On Oct 8, 2014, at 10:06 PM, Andy ai.egrps@... [ham-antennas] wrote:

> Feeding a balanced antenna with an unbalanced feedline having a different impedance, and insisting on no balun, seems to ME like a contradiction right off the bat.
>

Until about 1970, baluns were rarely used. Of course, back in the 30's, open wire feedlines and link coupled finals provided a naturally balanced feedline. But when coax came into use after WWII, I believe that most antennas were fed unbalanced. It wasn't until RF capable ferrites were developed in the 1960s that baluns became more common. (I just pulled my 1961 Handbook off of the shelf, and there is limited discussion about baluns, and then only coil or half wave phasing line types.)

One definite advantage of a coax fed loop without a balun is having the antenna grounded to drain static buildup, especially from a big loop. How is everyone handling that on your loop antennas with baluns?

Ken WA8JXM

34374. Re: [ham-antennas] Re: 160-meter 2-wl loop vs 1-wl loop

Yahoo group: ham-antennas (2014)
Date: 2014-10-09 11:55:45 UTC
From: KA4INM radio
Topic: 34331 Message: 34374

Ken wa8jxm@... wrote:

/*snip*/
> Until about 1970, baluns were rarely used. Of course, back in the
> 30's, open wire feedlines and link coupled finals provided a naturally
> balanced feedline. But when coax came into use after WWII, I believe
> that most antennas were fed unbalanced. It wasn't until RF capable
> ferrites were developed in the 1960s that baluns became more common. (I
> just pulled my 1961 Handbook off of the shelf, and there is limited
> discussion about baluns, and then only coil or half wave phasing line
> types.)

Effective air core baluns were available from B&W and Heath (B1)
before ferrite was commonly available and half of the baluns today are
made with powered iron.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34375. Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-09 22:49:18 UTC
From: farrerfolks@...
Topic: 34375 Message: 34375

I would like to open a discussion on basic antenna design for simple use. Like portable, camping, etc. While I do a great deal of modeling before I actually go build a antenna, I also spend a lot of time doing "what if". Example: You want a 160 dipole for camping and getting back to the 500 mile and under crowd. Now I can just cut a dipole and feed it in the middle (50%) use a antenna tuner and I am on my way, right? Let's see, at 20 feet AGL, that's 21 ohms giver or take. ATU can handle that with a little added loss, right? What if I just move the feed point towards on end to say 23%. Guess what, the frequency didn't change, the pattern is the same, but the feed point impedance is now 50 ohms. No ATU needed. So if you like a resonant antenna and don't have a ATU for camping, just move the feed point!

Also if you didn't see it between the lines, this is a OCF dipole and works pretty well on other bands. To cheat a little, I put in insulated terminal strips at the sweet spots on the bands of interest and just move the feed point as needed to achieve 50 ohm match on any band of interest, within reason of course. Just a thought to get the brain cells working. Comments?

Mel, K6KBE

34376. Re: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 00:51:29 UTC
From: Goldtr8 (KD8NNU)
Topic: 34375 Message: 34376

Hi Mel

Nice idea, what are the dimensions of the antenna wire where all the insulated terminal strips are placed. I go camping and this would be a nice wire antenna to have ready to go.

~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, October 09, 2014 6:49 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Modeling antennas by What if I

I would like to open a discussion on basic antenna design for simple use. Like portable, camping, etc. While I do a great deal of modeling before I actually go build a antenna, I also spend a lot of time doing "what if". Example: You want a 160 dipole for camping and getting back to the 500 mile and under crowd. Now I can just cut a dipole and feed it in the middle (50%) use a antenna tuner and I am on my way, right? Let's see, at 20 feet AGL, that's 21 ohms giver or take. ATU can handle that with a little added loss, right? What if I just move the feed point towards on end to say 23%. Guess what, the frequency didn't change, the pattern is the same, but the feed point impedance is now 50 ohms. No ATU needed. So if you like a resonant antenna and don't have a ATU for camping, just move the feed point!

Also if you didn't see it between the lines, this is a OCF dipole and works pretty well on other bands. To cheat a little, I put in insulated terminal strips at the sweet spots on the bands of interest and just move the feed point as needed to achieve 50 ohm match on any band of interest, within reason of course. Just a thought to get the brain cells working. Comments?

Mel, K6KBE

34377. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 13:39:32 UTC
From: yl2qn.andy@...
Topic: 34284 Message: 34377

Hi,

G7FEK is great and easy to build antenna for 80 m band. For other bands is not good, but for 80m is really high performer.

Andy - YL2QN

34378. Re: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 14:14:21 UTC
From: Mel Farrer
Topic: 34375 Message: 34378

Don,

Will put it on the file section later today.
Mel. K6KBE

On Thursday, October 9, 2014 5:51 PM, "'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi Mel Nice idea, what are the dimensions of the antenna wire where all the insulated terminal strips are placed. I go camping and this would be a nice wire antenna to have ready to go. ~73
Don
KD8NNU
2014 Top Gun :-)
-.- -.. ---.. -. -. ..- From: mailto:ham-antennas@yahoogroups.com Sent: Thursday, October 09, 2014 6:49 PMTo: ham-antennas@yahoogroups.com Subject: [ham-antennas] Modeling antennas by What if I I would like to open a discussion on basic antenna design for simple use. Like portable, camping, etc. While I do a great deal of modeling before I actually go build a antenna, I also spend a lot of time doing "what if". Example: You want a 160 dipole for camping and getting back to the 500 mile and under crowd. Now I can just cut a dipole and feed it in the middle (50%) use a antenna tuner and I am on my way, right? Let's see, at 20 feet AGL, that's 21 ohms giver or take. ATU can handle that with a little added loss, right? What if I just move the feed point towards on end to say 23%. Guess what, the frequency didn't change, the pattern is the same, but the feed point impedance is now 50 ohms. No ATU needed. So if you like a resonant antenna and don't have a ATU for camping, just move the feed point!

Also if you didn't see it between the lines, this is a OCF dipole and works pretty well on other bands. To cheat a little, I put in insulated terminal strips at the sweet spots on the bands of interest and just move the feed point as needed to achieve 50 ohm match on any band of interest, within reason of course. Just a thought to get the brain cells working. Comments?

Mel, K6KBE

34379. Re: Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 17:48:06 UTC
From: schwartzj22@...
Topic: 34375 Message: 34379

Hi Mel,

Do you have an image or website specific for the insulated terminal strips that you are using?

Also, in your modeling do you have the % split as a variable so you can just put in the frequency of interest and have the software determine the best split for 50 ohms? If you do, I would be interested in the file for this model (either 4nec2 or EZNEC, since 4nec2 can read EZNEC files).

Tks,
Joel - N3GSE

34380. Re: [ham-antennas] Re: Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 18:38:14 UTC
From: Mel Farrer
Topic: 34375 Message: 34380

HI Joel,
I have used several types, from the speaker flat phenolic to navy rugged micarda type. Anything that will stand the weather for short stays. I will dig one out that I used last, navy type and post a picture.
On the program. I don't have a optimizer type. I use the old method of doing a SWR sweep and look at the sweet spot frequency and impedance and adjust the location on a trial by error to get it right. Usually I am pretty good at picking the right % on 2nd or 3rd try.
What I am putting together is a cook book for each band, 160, 80, and 40 meters for portable use. The idea is to know where to put the jumper terminal strips to allow full coverage of each band. Obviously, it takes more than one length of wire to do this. More on this in the file post later today. Cheers,
Mel, K6KBE

On Friday, October 10, 2014 10:48 AM, "schwartzj22@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Hi Mel,
Do you have an image or website specific for the insulated terminal strips that you are using?
Also, in your modeling do you have the % split as a variable so you can just put in the frequency of interest and have the software determine the best split for 50 ohms? If you do, I would be interested in the file for this model (either 4nec2 or EZNEC, since 4nec2 can read EZNEC files).
Tks,Joel - N3GSE

34381. Re: Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 19:33:46 UTC
From: schwartzj22@...
Topic: 34375 Message: 34381

Thanks Mel,

So is the idea that you will connect coax to different locations on the overhead wire that correspond to the right split to get close to 50 ohms impedance for a specific band? If so, how do you connect the coax to the terminal strip? I can't visualize the hardware. Interesting idea though.

Tks,
Joel

34382. AW: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 20:00:46 UTC
From: siegfried jackstien
Topic: 34375 Message: 34382

Remembers me to the clothesline dipole ... moveable feeding point (but not with jumpers)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 9. Oktober 2014 22:49
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Modeling antennas by What if I
>
>
>
> I would like to open a discussion on basic antenna design for simple use.
> Like portable, camping, etc. While I do a great deal of modeling before I
> actually go build a antenna, I also spend a lot of time doing "what if".
> Example: You want a 160 dipole for camping and getting back to the 500
> mile and under crowd. Now I can just cut a dipole and feed it in the
> middle (50%) use a antenna tuner and I am on my way, right? Let's see, at
> 20 feet AGL, that's 21 ohms giver or take. ATU can handle that with a
> little added loss, right? What if I just move the feed point towards on
> end to say 23%. Guess what, the frequency didn't change, the pattern is
> the same, but the feed point impedance is now 50 ohms. No ATU needed. So
> if you like a resonant antenna and don't have a ATU for camping, just move
> the feed point!
>
> Also if you didn't see it between the lines, this is a OCF dipole and
> works pretty well on other bands. To cheat a little, I put in insulated
> terminal strips at the sweet spots on the bands of interest and just move
> the feed point as needed to achieve 50 ohm match on any band of interest,
> within reason of course. Just a thought to get the brain cells working.
> Comments?
>
> Mel, K6KBE
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34383. Re: AW: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 23:02:09 UTC
From: Mel Farrer
Topic: 34375 Message: 34383

Sorry, just finishing up the file. I use a 1:1 current choke balun with the coax split out into two leads with ring lugs on one end and a BNC female on the other end. I use 12 turns of RG 303 on a 2" type 31 core toroid using W1JR winding format. Simple. This does the coupling and isolates the uneven currents from the antenna to the feed line. No RF in the operating position..... More to follow.
Mel, K6KBE

On Friday, October 10, 2014 1:00 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Remembers me to the clothesline dipole ... moveable feeding point (but not with jumpers)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 9. Oktober 2014 22:49
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Modeling antennas by What if I
>
>
>
> I would like to open a discussion on basic antenna design for simple use.
> Like portable, camping, etc. While I do a great deal of modeling before I
> actually go build a antenna, I also spend a lot of time doing "what if".
> Example: You want a 160 dipole for camping and getting back to the 500
> mile and under crowd. Now I can just cut a dipole and feed it in the
> middle (50%) use a antenna tuner and I am on my way, right? Let's see, at
> 20 feet AGL, that's 21 ohms giver or take. ATU can handle that with a
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> terminal strips at the sweet spots on the bands of interest and just move
> the feed point as needed to achieve 50 ohm match on any band of interest,
> within reason of course. Just a thought to get the brain cells working.
> Comments?
>
> Mel, K6KBE

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34384. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 23:29:14 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34384

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE Antennas/Portable 160,80 and 40 antennas.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : Good match antennas for portable use.

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20Antennas/Portable%20160%2C80%20and%2040%20antennas.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

34385. Re: AW: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-10 23:49:07 UTC
From: farrerfolks@...
Topic: 34375 Message: 34385

Yes Sigi,

I looked at one, probably in the 50's but could never do, it was just of the back porch and MAMA would not let be use it because I would have to cut it and put in a insulator, darn.....

Mel

34386. VHF and UHF Antenna related items FS

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 17:53:47 UTC
From: Ken Simpson, W8EK
Topic: 34386 Message: 34386

VHF and UHF Antenna related items For Sale:

Mobile Antenna Mounts:

Larsen LM-MM Mag Mount
This rectangular mag mount features an extremely strong
magnet. The center of the mag mount takes an Larsen LM
type antenna (5/16 inch stud). It includes coax for $18.

Round NMO Mag Mount
Black, 4 + inches in diameter, with coax. $24

BNC Mag Mount
Has BNC connector on the mag mount so you can add the
rubber duck from your HT.
Coax has BNC connector for your HT.
It permits one to get the HT rubber duck out of the
car for better performance. $22

Trunk Lip Mount
3/8 inch 24 thread stud, with coax. $10

Round Mag Mount for "Antenna Specialists" antenna
It uses the sort of reversed PL-259 type antenna that
was used for many years by Antenna Specialists.
With coax for $10.

Round Mag Mount
has 5/16 inch threaded connection, with coax $10.

White Round Mag Mount
1/4 inch threaded connection, with coax for $10.

Astatic "Mirror Mount" or "Roof Rack Mount"
Mounts to mirror or roof rack, and takes a PL-259 on one side,
and has a 3/8 inch 24 post for the mobile whip on the other.
Used for either HF or VHF/UHF antennas.
New, still sealed in the package. $12
As above, unused, but out of package. $10

Antenna Specialists Antenna Mounting Hardware:

All of the following hardware is NEW, unused, still in their
original boxes, with original paper work.

HM-66 Gutter Clip Mount
This gutter clip takes a standard 3/8 inch 24 thread antenna.
It includes coax. It is suitable for VHF/UHF antennas, but is

not rugged enough for HF antennas. NEW $15

K-221 NMO Trunk Lip Mount
This takes any of the NMO VHF or UHF type antennas. It is a nice trunk lip mount, complete with coax. NEW $15

K-66 NMO Hole Mount
This takes any of the NMO type antennas. It is made to mount in a 3/4 inch diameter hole, and includes coax. NEW $15

M-3 Ball Mount
This is a standard, heavy duty ball, suitable for use with HF antennas, or VHF antennas requiring a 3/8 inch, 24 thread antenna. NEW $15

ASC-3D Heavy Duty Ball Mount
Extremely heavy duty, Chrome plated, for 3/8-24 antennas. NEW $28

Mobile Antenna Springs:

These mobile antenna springs appear to be new. They are the chrome plated type, and designed for light to medium duty use, i.e. use on VHF type antennas, and not for heavy duty HF use.

These are about 3 inches long. I have some that are for 1/4 inch diameter antenna mounts, some for 5/16, and some for 3/8 inch. Please let me know what size you need.

These appear to be new, or at least unused.
They are $5 each.

Dual Band 2 m / 440 MHz Mag Mount Antenna:

This antenna has a very strong mag mount. The antenna itself is a quarter wave antenna on 2 meters (unity gain), and provides a couple db gain on 440 MHz. It seems to be very rugged, and even has extra strain relief on the PL-259 coax connector. It is about 20 inches tall, including the mag mount.

This particular antenna appears to be new, unused. It is the black color (not silver). $30

Hustler UHT-1, VHF / UHF mobile antenna:

The Hustler UHT-1 is 1/4 Wave Hole Mount Antenna.
It can be cut for any frequency from 136 to 500 MHz. It is low profile, with a 3/4" hole required. Includes 15' coax and connector, and is rated to handle up to 200 Watts of power. This particular antenna is new, still sealed in its original shrink wrap package. $15

Larsen mobile antennas for NLA Mounts:

Both of these fit the Larsen NLA mounts.

Larsen NLA-150
This antenna provides about 3 db gain over a quarter wave, and is a very rugged antenna, about 4 feet long. In very good condition, it the fits Larsen NLA mounts.
Coil only $10
Coil with whip $17

Larsen NLA-UHF coil for 440 MHz
This is the coil only for NLA mounts, for use on the amateur 440 MHz band and UHF public service bands.
Good condition. $10

Cushcraft 4 element 124 WB, 2 meter beam:

The Cushcraft 124WB is a 4 element wideband boomer for 2 meters. It is the right choice for packet systems and other applications requiring a dedicated directional antenna.

124WB Specifications:
Frequency: 144-148 MHz
Elements: 4
Gain: 10.2 dBi
Front To Back Ratio: 19 dB
VSWR 2:1 Bandwidth: 4 MHz.
Power: 2000 watts PEP
Longest Element: 41 inches (1.04 m)
Turning Radius: 8.8 Ft. (2.7 m)
Boom Length: 4 Ft. (1.22 m)
Wind Surface: 0.34 sq. feet
Connector: UHF (SO239)
Weight: 3 Lbs (1.6 kg)

This one is in extremely nice shape. No corrosion.
Only $75.

Coaxial Antenna Switches:

All work fine, look fine, and use SO-239 connectors.

B & W Model 550 A Coax Switch
This model will switch up to 5 antennas, and does NOT ground unused antennas. Coax comes out the side, like spokes of a wheel. It will handle the full legal limit. $35

SCP Comm Switch SC-40-AS Coax Switch
Three position antenna switch in rectangular box. Connectors on the back. In original box. May be new. $24

Two position "Strip Line" Coax Switches:

These switches utilize metal cavity construction for max efficiency and high isolation. Isolation is better than 50 dB at 300 MHz with low insertion loss less. All are two position and are typically rated for 2500 W PEP, and good to 600 MHz.

Diawa CS-201 - $20
Opek CX-201 - $20
MFJ 1702 C - With center position that grounds both antennas,
and added lightning protection. $25

Antennas for your HT:

All rubber ducks are for 2 meters, are in good
condition, and are $10 each, unless stated otherwise.

BNC - Dual Band (2 m and 440 MHz) Telescoping antenna
provides significant gain when extended, $18

BNC - As used on most HTs, 7 inches long

BNC - Original Alinco EA0024, about 4 inches long

BNC - Original from Kenwood TH-215, about 5 inches long

BNC - "Stubby" about 4 1/2 inches long

Type F connector - 6.5 inches long

BNC Stubby for 440 MHz, 3 inches long

Threaded (as used by Motorola, etc.) stubby for 440 MHz

Not a Rubber Duck, but can be used on your HT:
Telescoping Antenna w/ BNC about 19 inches long
can be used as a quarter wave antenna on 2 m,
or on 220, or 450 MHz if telescoped shorter. $12

I also have many other accessories available such as many
different types of microphones, HTs, HF, VHF and UHF rigs,
HF and VHF/UHF antennas, HF linear amplifiers, and many
other accessories.
Just too many to list here. Please e-mail your requests.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-mail to W8EK@... or W8EK@...
Voice Phone (352) 732-8400

34387. Re: AW: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 19:19:12 UTC
From: farrerfolks@...
Topic: 34375 Message: 34387

I added a better picture to my photo gallery of one of the NAVY terminal strips with a copper strap jumper and how I connect the antenna wire. For illustration only. This is clearer.

Mel, K6KBE

34388. 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 21:26:11 UTC
From: wa1rkt@...
Topic: 34388 Message: 34388

I was talking with someone in NY on 160 last night (finally got my 160-meter antenna working properly) and he described an antenna for 160-meter DX using an existing tower.

Apparently, you run some RG-8 coax up the side of your 50-60-ft tower from bottom to top, taping or tie-wrapping the coax to the tower leg as it goes up (apparently you don't want the spacing between the coax and the tower leg to vary in the wind). At the top, you bond the coax shield to the top of the tower and then extend a 120-foot horizontal wire from the coax center conductor to a convenient tree or other support. You then trim that wire for resonance. Feed the antenna at the bottom with any convenient length of RG-8 to the station... in fact you could use one continuous coax run from the station, to the bottom of the tower, to the top of the tower.

The person who described it to me sang its praises as a cheap and easy DX antenna for 160. I must say I've never heard of an antenna quite like that. It almost sounds like a sort of a bazooka antenna (see The Vertical Bazooka Antenna - Ham Radio Library http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18

The Vertical Bazooka Antenna - Ham Radio Library http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18 An article by VE3VDC LD Blake Every radio amateur should build at least one antenna to prove to themselves they can improvise in an emergency.

View on www.iw5edi.com http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18 Preview by Yahoo

... except that the bottom end of the tower is presumably grounded. Not sure how that would work. It also seems to me like you'd want to have a choke at the bottom of the tower inline with the coax going to the station, although with a "real" bazooka, the coax braid sleeve is supposed to provide some choking action.

What do you all think? Have any of you done this?

Rick WA1RKT

34389. Re: AW: [ham-antennas] Modeling antennas by What if I

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 21:36:51 UTC
From: farrerfolks@...
Topic: 34375 Message: 34389

I guess the best way to describe this approach is that it is an erector set of parts that let you put it up and make it work without extra stuff. See you all next time in camp.

Mel, K6KBE

34390. Re: [ham-antennas] 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 22:22:36 UTC
From: Joe
Topic: 34388 Message: 34390
Attachments: 1 described; binary payloads are missing from this source WARC

I've known guys using like this since the 70's we called them 1/4 wave slopers.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/11/2014 4:26 PM, wa1rkt@... [ham-antennas] wrote:
>
>
> I was talking with someone in NY on 160 last night (finally got my
> 160-meter antenna working properly) and he described an antenna for
> 160-meter DX using an existing tower.
>
> Apparently, you run some RG-8 coax up the side of your 50-60-ft tower
> from bottom to top, taping or tie-wrapping the coax to the tower leg
> as it goes up (apparently you don't want the spacing between the coax
> and the tower leg to vary in the wind). At the top, you bond the coax
> shield to the top of the tower and then extend a 120-foot horizontal
> wire from the coax center conductor to a convenient tree or other
> support. You then trim that wire for resonance. Feed the antenna at
> the bottom with any convenient length of RG-8 to the station... in
> fact you could use one continuous coax run from the station, to the
> bottom of the tower, to the top of the tower.
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> The person who described it to me sang its praises as a cheap and easy
> DX antenna for 160. I must say I've never heard of an antenna quite
> like that. It almost sounds like a sort of a bazooka antenna (see The
> Vertical Bazooka Antenna - Ham Radio Library
> <http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18>
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> The Vertical Bazooka Antenna - Ham Radio Library
> <http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18>
> An article by VE3VDC LD Blake Every radio amateur should build at
> least one antenna to prove to themselves they can improvise in an
> emergency.
>
> View on www.iw5edi.com
> <http://www.iw5edi.com/ham-radio/?the-vertical-bazooka-antenna,18>
>

> Preview by Yahoo
>
>
> ... except that the bottom end of the tower is presumably grounded.
> Not sure how that would work. It also seems to me like you'd want to
> have a choke at the bottom of the tower inline with the coax going to
> the station, although with a "real" bazooka, the coax braid sleeve is
> supposed to provide some choking action.
>
>
> What do you all think? Have any of you done this?
>
>
> Rick WA1RKT
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34391. Re: 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-11 22:42:17 UTC
From: wa1rkt@...
Topic: 34388 Message: 34391

>> I've known guys using like this since the 70's we called them 1/4 wave slopers.

Good evening, Joe.

Yes, except that with a sloper the part about taping the coax to the tower leg or running it all the way to the bottom of the tower shouldn't matter, should it? The person who described all this to me seemed to think that was all pretty important to the antenna's performance.

A related question... assume that the horizontal wire is really horizontal (and not sloped) and that you have a 20-meter beam on top of the tower. The 160-meter antenna's horizontal wire will only be a few feet from the beam, maybe like 5 or 6 feet. Any serious interactions there I need to be concerned with?

34392. AW: [ham-antennas] Re: 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-12 11:15:57 UTC
From: siegfried jackstien
Topic: 34388 Message: 34392

I would lay down a few dozen radials below the tower and "shunt-feet" the whole shebang (yagi would make a nice topload for the tower ... right?!?)

I have a nice gp plan for lowbands ... only 15m for 160m or 8m for 80m needed!! ... without any loading coils or tuning thingys ... and without base insulator (so you can use a grounded tower for it)

DIREKT 50 OHMS FEED

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 11. Oktober 2014 22:42
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: 160-meter antenna using existing tower
>
>
>
> >> I've known guys using like this since the 70's we called them 1/4 wave
> slopers.
>
> Good evening, Joe.
>
> Yes, except that with a sloper the part about taping the coax to the tower
> leg or running it all the way to the bottom of the tower shouldn't matter,
> should it? The person who described all this to me seemed to think that
> was all pretty important to the antenna's performance.
>
> A related question... assume that the horizontal wire is really horizontal
> (and not sloped) and that you have a 20-meter beam on top of the tower.
> The 160-meter antenna's horizontal wire will only be a few feet from the
> beam, maybe like 5 or 6 feet. Any serious interactions there I need to be
> concerned with?
>
>

34393. Re: 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-12 12:11:16 UTC
From: wa1rkt@...
Topic: 34388 Message: 34393

Thanks, Sigi. I have considered that and where the tower is located is not a good place for lots of radials. Anyway, I wanted to find an answer for this specific question, then another conversation about gamma-matched towers can continue under its own topic.

73,

Rick WA1RKT

34394. Re: AW: [ham-antennas] Re: 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-12 20:03:17 UTC
From: Van Lincoln
Topic: 34388 Message: 34394

Sigi:

This is Van Lincoln, WD8AAM, was reading this email below,
and would like a copy of your GP plan and tower
160 meter antenna design if you would be so kind.

I'm thinking of something similar for next year,
and just collecting data at the moment.. Thanks.
Van wd8aam, Jordan, Minnesota, USA

At 11:15 10/12/2014, you wrote:
>I would lay down a few dozen radials below the tower and "shunt-feet" the
>whole shebang (yagi would make a nice topload for the tower ... right?!?)
>
>I have a nice gp plan for lowbands ... only 15m for 160m or 8m for 80m
>needed!! ... without any loading coils or tuning thingys ... and without
>base insulator (so you can use a grounded tower for it)
>
>DIREKT 50 OHMS FEED
>
>Dg9bfc
>
>sigi
>
>
>
>> -----Ursprüngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Samstag, 11. Oktober 2014 22:42
>> An: ham-antennas@yahoogroups.com
>> Betreff: [ham-antennas] Re: 160-meter antenna using existing tower
>>
>>
>>
>> >> I've known guys using like this since the 70's we called them 1/4 wave
>> slopers.
>>
>> Good evening, Joe.
>>
>> Yes, except that with a sloper the part about taping the coax to the tower
>> leg or running it all the way to the bottom of the tower shouldn't matter,
>> should it? The person who described all this to me seemed to think that
>> was all pretty important to the antenna's performance.
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>> A related question... assume that the horizontal wire is really horizontal
>> (and not sloped) and that you have a 20-meter beam on top of the tower.

>> The 160-meter antenna's horizontal wire will only be a few feet from the
>> beam, maybe like 5 or 6 feet. Any serious interactions there I need to be
>> concerned with?
>>
>>
>
>
>
>------------------------------------
>Posted by: "siegfried jackstien" <siegfried.jackstien@...>
>------------------------------------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 3724 members (as of 08/01/14). and attachments are
>NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
>cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
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>
>Yahoo Groups Links
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>

34395. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-13 03:43:01 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34395

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /folded monopole/Short_grounded_2bandGP2.maa
Uploaded by : dg9bfc <siegfried.jackstien@...>
Description : 2 Bap for lowbands

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/folded%20monopole/Short_grounded_2bandGP2.maa

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

dg9bfc <siegfried.jackstien@...>

34396. AW: AW: [ham-antennas] Re: 160-meter antenna using existing tower

Yahoo group: ham-antennas (2014)
Date: 2014-10-13 03:51:50 UTC
From: siegfried jackstien
Topic: 34396 Message: 34396

Original idea is from a commercial mw station here close to my qth

http://www.waniewski.de/MW/Bremen/bremen_mw_1en.htm

for 900 kc it is 45m high but has ponly 2 toploading wires

(would mean for 160 it would be 22.5m in original desingn)

with more toploading (either longer or adding more number of wires) you can get the needed height down to about 0.1 wl

I remodelled that in mmana

And depending on what you already have as tower ... and if you also have some toploading caused by a beam for the higher bands ... then maybe you do not need tooo much wire added to get resonance on 160

Shunt fed tower can be used on 160 and 80 ... but THIS shunt fed design is clever cause it has NO tuning parts (direct 50 ohms feed ...

See picture of feeding point

http://www.waniewski.de/MW/Bremen/id261.htm

....

Yes it is a massive desin ... but scaled down for our power levels and higher frequency used it does not look tooo bad

A quarterwave for 160??? Who can make that in his garden???

But a grounded and guyed tower with 15m??? that seems easier ... right?

.....

Here principle:

Take a quarterwave

Making it shorter will lower impedance to around 10-12 ohms only ... buut with feeding a sidecage and using a grounded tower you have a folded antenna ... with the neat side effect that the impedance is 4 times higher ... result ... 50 ohms :-)

that shorter and folded antenna needs toploading to keep resonance on 160 ... even if it is 15 instead of 40m :-)

with the longer version (only 2 loading wires) it ispossible to build a dualbander (160/80)

look in file section ... folded monopole

can be scaled for any band ... a 40m antenna could be made from an old cb halfwave (5m)

and the next cb halfwave makes a quarterwave for 20 :-)

dg9bfc

sigi

ps NEEDS A GOOOOD Groundsystem

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 12. Oktober 2014 20:03
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: 160-meter antenna using existing tower
>
>
>
> Sigi:
>
> This is Van Lincoln, WD8AAM, was reading this email below,
> and would like a copy of your GP plan and tower
> 160 meter antenna design if you would be so kind.
>
> I'm thinking of something similar for next year,
> and just collecting data at the moment.. Thanks.
> Van wd8aam, Jordan, Minnesota, USA
>
> At 11:15 10/12/2014, you wrote:
> >I would lay down a few dozen radials below the tower and "shunt-feet" the
> >whole shebang (yagi would make a nice topload for the tower ... right?!?)
> >
> >I have a nice gp plan for lowbands ... only 15m for 160m or 8m for 80m
> >needed!! ... without any loading coils or tuning thingys ... and without
> >base insulator (so you can use a grounded tower for it)
> >
> >DIREKT 50 OHMS FEED
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> >Dg9bfc
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> >> -----Ursprüngliche Nachricht-----
> >> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> >> Gesendet: Samstag, 11. Oktober 2014 22:42
> >> An: ham-antennas@yahoogroups.com
> >> Betreff: [ham-antennas] Re: 160-meter antenna using existing tower
> >>

> >>
> >>
> >> >> I've known guys using like this since the 70's we called them 1/4
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> >> Yes, except that with a sloper the part about taping the coax to the
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> >> beam, maybe like 5 or 6 feet. Any serious interactions there I need to
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> >> concerned with?
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> >>
> >
> >
> >
> >------------------------------------
> >Posted by: "siegfried jackstien" <siegfried.jackstien@freenet.de>
> >------------------------------------
> >
> >HAM ANTENNAS Anything and everything, tell us or ask questions.
> >Replies go to ALL 3724 members (as of 08/01/14). and attachments are
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> >Any statements in ANY post that may be construed as inflamatory MAY be
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> >List owner: ham-antennas-owner@yahoogroups.com
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> >Yahoo Groups Links
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34397. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-13 12:30:05 UTC
From: Ray, W4BYG
Topic: 394 Message: 34397

What program does it take to open a .maa file?
Ray, W4BYG

On 10/12/2014 11:43 PM, ham-antennas@yahoogroups.com wrote:
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the ham-antennas
> group.
>
> File : /folded monopole/Short_grounded_2bandGP2.maa
> Uploaded by : dg9bfc <siegfried.jackstien@...>
> Description : 2 Bap for lowbands
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/ham-antennas/files/folded%20monopole/Short_grounded_
2bandGP2.maa
>
> To learn more about file sharing for your group, please visit:
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
> Regards,
>
> dg9bfc <siegfried.jackstien@...>
>
>

--
Ironic:
The food stamp program, part of the Department of Agriculture, is pleased to be
distributing the greatest amount of food stamps ever.
Meanwhile, the Park Service, also part of the Department of Agriculture, asks us to "please
do not feed the animals" because the
animals may grow dependent and not learn to take care of themselves... (Think about that).

34398. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-13 13:34:25 UTC
From: Geoff McAlpin
Topic: 394 Message: 34398

mmana-gal

On Monday, October 13, 2014, 'Ray, W4BYG' w4byg@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> What program does it take to open a .maa file?
> Ray, W4BYG
>
> On 10/12/2014 11:43 PM, ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> wrote:
>
>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the ham-antennas
> group.
>
> File : /folded monopole/Short_grounded_2bandGP2.maa
> Uploaded by : dg9bfc <siegfried.jackstien@...>
> <javascript:_e(%7B%7D,'cvml','siegfried.jackstien@...');>
> Description : 2 Bap for lowbands
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> You can access this file at the URL:
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> https://groups.yahoo.com/neo/groups/ham-antennas/files/folded%20monopole/Short_grounded_
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> To learn more about file sharing for your group, please visit:
>
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
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> Regards,
>
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>
>
>
> --
> Ironic:

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> Meanwhile, the Park Service, also part of the Department of Agriculture, asks us to "please do not feed the animals" because the
> animals may grow dependent and not learn to take care of themselves... (Think about that).
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34399. MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 12:31:22 UTC
From: Keith Heimbold
Topic: 34399 Message: 34399

Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.

I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34400. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 12:44:42 UTC
From: Myron WVØH
Topic: 34399 Message: 34400

Keith,

My 269 started experiencing erratic behavior when I wiggled the antenna connector. I found that the solder connection on the center conductor was broken free. It was a pain to get at it but when I was able to finally access the connection, I resoldered it and was fine. Your case may be the diodes in the bridge may be defective or maybe a soldering issue too.

I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.

Myron WVØH
Printed on Recycled Data

> On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.
>
> I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34401. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 14:42:01 UTC
From: Gerald Bishop
Topic: 34399 Message: 34401

Hi- Some may have a crappy 2 hole coax connector. Mine did,and I changed it to a 4 hole,using only 2 holes . No miore trouble !!! Off-On switch is the other problem. Get a diff switch !!de jerry W8KQ
----- Original Message -----
From: Myron WVØH s9plus@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 15, 2014 8:44 AM
Subject: Re: [ham-antennas] MFJ 259B issue

Keith,

My 269 started experiencing erratic behavior when I wiggled the antenna connector. I found that the solder connection on the center conductor was broken free. It was a pain to get at it but when I was able to finally access the connection, I resoldered it and was fine. Your case may be the diodes in the bridge may be defective or maybe a soldering issue too.

I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.

Myron WVØH
Printed on Recycled Data

On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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Keith
AK6ZZ

Sent from my iPhone please excuse typos

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34402. FW: [BoatAnchors] Radio Estate Sale 250+ radios NJ-NY border near the Garden State Parkway

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 16:40:05 UTC
From: Gary H. Harmon, Jr.
Topic: 34402 Message: 34402

FYI

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549h / 210.884.6926c/t
gharmon (at) idworld.net

"Retirement = Every day is a Saturday except Sunday"
http://www.grissomroadcoc.org

-----Original Message-----
From: BoatAnchors [mailto:boatanchors-bounces@...] On Behalf Of John Dilks K2TQN via BoatAnchors
Sent: Wednesday, October 15, 2014 11:27 AM
To: Boatanchors Porch
Subject: [BoatAnchors] Radio Estate Sale 250+ radios NJ-NY border near the Garden State Parkway

Most quality radios are $20-$25

http://tinyurl.com/NY-Radio-Estate-Sale

Estate Sale

Starting Wednesday, October 15th, there will be a Huge sale [two floors] of over 250 vintage radios including: Battery sets... Superhets... Crystal sets... Home brews... Farm sets... Vintage Amateur station... Modern amateur station ... keys... Communication receivers... Transmitters... Parts... Tubes... Books... Horns... Speakers... Test equipment...
.... Everything priced for quick sale!

Most quality radios are $20-$25...house is sold and must be vacated.
The sale is by Appointment, day or evening:
Call the daughter - Ursula @ 203-524-4939

Note: I visited the sale early, I was invited by the daughter.
All the radios I saw were in excellent 'as-found' condition, dust free and stored inside on shelves.

The property has limited parking and 'NO' on road parking.
You must call for an appointment.

The home is located near the NY - NJ border, just off the Garden State Parkway.

~ Not all radios are shown ~

John Dilks, K2TQN

----and here----

_____
BoatAnchors mailing list
BoatAnchors@...
https://minime.theporch.com/mailman/listinfo/boatanchors

34403. Re: [ham-antennas] FW: [BoatAnchors] Radio Estate Sale 250+ radios NJ-NY border near the Garden State Parkway

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 17:02:08 UTC
From: Walt Wilson
Topic: 34402 Message: 34403

Are there pictures of these radios and could you be utilized as a stand in for purchasing anything of interest. If the pricing is correct a small finders fee plus shipping would be in order. A list of Swan radios in particular. If no photo’s are available, if the price is right, might take a chance. Please let me know, and thanks
Walt- 73’s

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, October 15, 2014 12:40 PM
To: HAM-ANTENNAS ; Heathkit3 LIST
Subject: [ham-antennas] FW: [BoatAnchors] Radio Estate Sale 250+ radios NJ-NY border near the Garden State Parkway

FYI

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist
6003 Archwood
San Antonio, TX 78239-1504
210.657.1549h / 210.884.6926c/t
gharmon (at) idworld.net

"Retirement = Every day is a Saturday except Sunday"
http://www.grissomroadcoc.org

-----Original Message-----
From: BoatAnchors [mailto:boatanchors-bounces@...] On Behalf Of John Dilks K2TQN via BoatAnchors
Sent: Wednesday, October 15, 2014 11:27 AM
To: Boatanchors Porch
Subject: [BoatAnchors] Radio Estate Sale 250+ radios NJ-NY border near the Garden State Parkway

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.... Everything priced for quick sale!

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You must call for an appointment.

The home is located near the NY - NJ border, just off the Garden State Parkway.

~ Not all radios are shown ~

John Dilks, K2TQN

----and here----
_____
BoatAnchors mailing list
BoatAnchors@...
https://minime.theporch.com/mailman/listinfo/boatanchors

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2014.0.4765 / Virus Database: 4040/8393 - Release Date: 10/15/14

34404. Re: MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 17:11:52 UTC
From: k9jfk@...
Topic: 34399 Message: 34404

Hi Keith,

I've also initially found some bad solder joints in my "trusty" mjf259b, also. Haven't had any problems since "touching" them up.

Some time back, at a swapfest, I located some resistance "standards" in BNC connectors for a couple of $ each. They are zero, 50, and 75 ohms; the instrument is checked if problems are suspected. They are, of course, used along with a PL259 to BNC adapter.

I still have a problem with the instrument at frequencies below the 80m band because of my proximity to a local high power BCB radio transmitter. It is worst when working on vertical antennas.

73, Jimmie, K9JFK

34405. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 17:15:35 UTC
From: Mel Farrer
Topic: 34399 Message: 34405

Myron and Keith,
Here is a site with link to a full schematic on the 269.
http://802.11junk.com/jeffl/MFJ-269-repair/mfj-269-schematic.pdf
Mel, K6KBE

On Wednesday, October 15, 2014 5:44 AM, "Myron WVØH s9plus@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Keith,
My 269 started experiencing erratic behavior when I wiggled the antenna connector. I found that the solder connection on the center conductor was broken free. It was a pain to get at it but when I was able to finally access the connection, I resoldered it and was fine. Your case may be the diodes in the bridge may be defective or maybe a soldering issue too.
I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.

Myron WVØHPrinted on Recycled Data
On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

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Keith
AK6ZZ

Sent from my iPhone please excuse typos

34406. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 18:16:14 UTC
From: Dave
Topic: 34399 Message: 34406

I finally was able to cure all my issues with my MFJ 269,
Bought a Rigexpert. Cured all the ills...

David Edwards
Engineering
Quillen College of Medicine / WETS FM HD
Advanced EMT
Emergency Veterinary Tech

On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.

I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34407. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 18:49:13 UTC
From: Myron WVØH
Topic: 34399 Message: 34407

Me too. Bought the RigExpert AA-600. Never looked back on those days.

Myron WVØH
Printed on Recycled Data

> On Oct 15, 2014, at 12:16 PM, Dave teckserve@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> I finally was able to cure all my issues with my MFJ 269,
> Bought a Rigexpert. Cured all the ills...
>
>
> David Edwards
> Engineering
> Quillen College of Medicine / WETS FM HD
> Advanced EMT
> Emergency Veterinary Tech
>
>
> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold ag6az@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
>
>
> Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.
>
> I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>

34408. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 19:28:17 UTC
From: Richard Solomon
Topic: 34399 Message: 34408

I must be lucky, my MFJ has worked flawlessly for many years.

I bought an AIM-4170 and it's nice, but for quick tests I always grab the
MFJ first.

73, Dick, W1KSZ
On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Me too. Bought the RigExpert AA-600. Never looked back on those days.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 15, 2014, at 12:16 PM, Dave teckserve@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>
>
> I finally was able to cure all my issues with my MFJ 269,
> Bought a Rigexpert. Cured all the ills...
>
>
> David Edwards
> Engineering
> Quillen College of Medicine / WETS FM HD
> Advanced EMT
> Emergency Veterinary Tech
>
>
> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
> ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Recently while installing some antennas my MFJ 259B went from being
> marginally accurate to measuring every band and frequency at >25:1. It used
> to do that with 160m only and now it is every band.
>
> I replaced the batteries with known good ones and checked the connector
> inside to make sure good contact was being made. I am not sure what is up
> but seems like the mfj curse has struck me once again. I usually stay away
> from their products for QA reasons but I bought this product early in my
> ham career and would like to figure out what is up with it.

>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>
>

34409. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 19:35:51 UTC
From: Mike
Topic: 34399 Message: 34409

Mine has worked fine since 1998 when i won it at the Spokane ham fest
.... only issue i have now is that the rotary switch is getting flaky ...

On 10/15/2014 12:28 PM, Richard Solomon dickw1ksz@...
[ham-antennas] wrote:
>
> I must be lucky, my MFJ has worked flawlessly for many years.
>
> I bought an AIM-4170 and it's nice, but for quick tests I always grab
> the MFJ first.
>
> 73, Dick, W1KSZ
>
> On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@...
> <mailto:s9plus@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> Me too. Bought the RigExpert AA-600. Never looked back on those days.
>
> Myron WVØH
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> On Oct 15, 2014, at 12:16 PM, Dave teckserve@...
> <mailto:teckserve@yahoo.com> [ham-antennas]
> <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
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>> David Edwards
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>> Quillen College of Medicine / WETS FM HD
>> Advanced EMT
>> Emergency Veterinary Tech
>>
>>
>> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
>> ag6az@... <mailto:ag6az@...> [ham-antennas]"
>> <ham-antennas@yahoogroups.com
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>> would like to figure out what is up with it.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>
>

--
Mike KC7NOA

34410. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 19:37:24 UTC
From: Richard Solomon
Topic: 34399 Message: 34410

A spritz of De-Oxit will fix that.

73, Dick, W1KSZ
On Oct 15, 2014 12:36 PM, "Mike Patriot121@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Mine has worked fine since 1998 when i won it at the Spokane ham fest ....
> only issue i have now is that the rotary switch is getting flaky ...
>
>
> On 10/15/2014 12:28 PM, Richard Solomon dickw1ksz@...m
> [ham-antennas] wrote:
>
>
>
> I must be lucky, my MFJ has worked flawlessly for many years.
>
> I bought an AIM-4170 and it's nice, but for quick tests I always grab the
> MFJ first.
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> 73, Dick, W1KSZ
> On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@... [ham-antennas]" <
> ham-antennas@yahoogroups.com> wrote:
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>> Me too. Bought the RigExpert AA-600. Never looked back on those days.
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>> Myron WVØH
>> Printed on Recycled Data
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>> On Oct 15, 2014, at 12:16 PM, Dave teckserve@... [ham-antennas] <
>> ham-antennas@yahoogroups.com> wrote:
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>> I finally was able to cure all my issues with my MFJ 269,
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>>
>> David Edwards
>> Engineering
>> Quillen College of Medicine / WETS FM HD
>> Advanced EMT
>> Emergency Veterinary Tech

>>
>>
>> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
>> ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>>
>> Recently while installing some antennas my MFJ 259B went from being
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>> from their products for QA reasons but I bought this product early in my
>> ham career and would like to figure out what is up with it.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>
>>
> --
> Mike KC7NOA
>
>
>

34411. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 21:18:16 UTC
From: Chuck Schultz
Topic: 34399 Message: 34411

Today ,I found myself working on some Hamfest pickings from a recent trip to Belton. My MFJ 259 worked flawlessly as usual. I believe I bought this precision instrument in the mid 90;s in Arlington,Tx at HamCom. I bought the works .....the cover , the attachments to use as a grid dip meter ,and a set of Nicads and a charger. The durn Nicads began to not take a full charge last year. I insp the batt compartment and found everything OK except two weak batteries . I went ahead and installed a full set. Could it be that mine doesn't work either but I don't know enough to know it ? Maybe I need a radio check ! Chuck Wq5B
On 10/15/2014 2:28 PM, Richard Solomon dickw1ksz@...
[ham-antennas] wrote:
>
> I must be lucky, my MFJ has worked flawlessly for many years.
>
> I bought an AIM-4170 and it's nice, but for quick tests I always grab
> the MFJ first.
>
> 73, Dick, W1KSZ
>
> On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@...
> <mailto:s9plus@...> [ham-antennas]"
> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
>
> Me too. Bought the RigExpert AA-600. Never looked back on those days.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 15, 2014, at 12:16 PM, Dave teckserve@...
> <mailto:teckserve@...> [ham-antennas]
> <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
>> I finally was able to cure all my issues with my MFJ 269,
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>> David Edwards
>> Engineering
>> Quillen College of Medicine / WETS FM HD
>> Advanced EMT
>> Emergency Veterinary Tech
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>>

>> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
>> ag6az@... <mailto:ag6az@...> [ham-antennas]"
>> <ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>> wrote:
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>>
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>> being marginally accurate to measuring every band and frequency
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>> I replaced the batteries with known good ones and checked the
>> connector inside to make sure good contact was being made. I am
>> not sure what is up but seems like the mfj curse has struck me
>> once again. I usually stay away from their products for QA
>> reasons but I bought this product early in my ham career and
>> would like to figure out what is up with it.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34412. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 21:30:54 UTC
From: Stan Labinsky Jr.
Topic: 34399 Message: 34412

Question, Chuck, have you ever used the dip oscillator attachment?

If so, did it work in the UHF band?

Thanks,

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, October 15, 2014 5:18 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] MFJ 259B issue

Today ,I found myself working on some Hamfest pickings from a recent trip to Belton. My MFJ 259 worked flawlessly as usual. I believe I bought this precision instrument in the mid 90;s in Arlington,Tx at HamCom. I bought the works .....the cover , the attachments to use as a grid dip meter ,and a set of Nicads and a charger. The durn Nicads began to not take a full charge last year. I insp the batt compartment and found everything OK except two weak batteries . I went ahead and installed a full set. Could it be that mine doesn't work either but I don't know enough to know it ? Maybe I need a radio check ! Chuck Wq5B

On 10/15/2014 2:28 PM, Richard Solomon dickw1ksz@... [ham-antennas] wrote:

I must be lucky, my MFJ has worked flawlessly for many years.

I bought an AIM-4170 and it's nice, but for quick tests I always grab the MFJ first.

73, Dick, W1KSZ

On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

Me too. Bought the RigExpert AA-600. Never looked back on those days.

Myron WVØH
Printed on Recycled Data

On Oct 15, 2014, at 12:16 PM, Dave teckserve@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

I finally was able to cure all my issues with my MFJ 269,
Bought a Rigexpert. Cured all the ills...

David Edwards
Engineering
Quillen College of Medicine / WETS FM HD
Advanced EMT
Emergency Veterinary Tech

On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.

I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

This email is free from viruses and malware because avast! Antivirus protection is active.

34413. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-15 21:43:58 UTC
From: Chuck Schultz
Topic: 34399 Message: 34413

No, I have not used them on two meters. Works well on HF Chuck Wq5B
On 10/15/2014 4:30 PM, 'Stan Labinsky Jr.' k2stn@...
[ham-antennas] wrote:
>
> Question, Chuck, have you ever used the dip oscillator attachment?
> If so, did it work in the UHF band?
> Thanks,
> Stan
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Wednesday, October 15, 2014 5:18 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* Re: [ham-antennas] MFJ 259B issue
>
> Today ,I found myself working on some Hamfest pickings from a recent
> trip to Belton. My MFJ 259 worked flawlessly as usual. I believe I
> bought this precision instrument in the mid 90;s in Arlington,Tx at
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> to use as a grid dip meter ,and a set of Nicads and a charger. The
> durn Nicads began to not take a full charge last year. I insp the batt
> compartment and found everything OK except two weak batteries . I
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> work either but I don't know enough to know it ? Maybe I need a
> radio check ! Chuck Wq5B
>
> On 10/15/2014 2:28 PM, Richard Solomon dickw1ksz@...
> [ham-antennas] wrote:
>>
>> I must be lucky, my MFJ has worked flawlessly for many years.
>>
>> I bought an AIM-4170 and it's nice, but for quick tests I always grab
>> the MFJ first.
>>
>> 73, Dick, W1KSZ
>>
>> On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@...
>> <mailto:s9plus@...> [ham-antennas]"
>> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
>> wrote:
>>
>> Me too. Bought the RigExpert AA-600. Never looked back on those days.
>>
>> Myron WVØH
>> Printed on Recycled Data
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>> On Oct 15, 2014, at 12:16 PM, Dave teckserve@...

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>> <ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>> wrote:
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>>> David Edwards
>>> Engineering
>>> Quillen College of Medicine / WETS FM HD
>>> Advanced EMT
>>> Emergency Veterinary Tech
>>>
>>>
>>> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
>>> ag6az@... <mailto:ag6az@...> [ham-antennas]"
>>> <ham-antennas@yahoogroups.com
>>> <mailto:ham-antennas@yahoogroups.com>> wrote:
>>>
>>>
>>> Recently while installing some antennas my MFJ 259B went from
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>>> I replaced the batteries with known good ones and checked the
>>> connector inside to make sure good contact was being made. I am
>>> not sure what is up but seems like the mfj curse has struck me
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>>> reasons but I bought this product early in my ham career and
>>> would like to figure out what is up with it.
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
>>>
>>>
>
>
>
> ---
> <http://www.avast.com/>
>
> This email is free from viruses and malware because avast! Antivirus
> <http://www.avast.com/> protection is active.
>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34414. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 03:47:33 UTC
From: Keith Heimbold
Topic: 34399 Message: 34414

Thanks Mel and everyone. I have had questionable luck with mfj products along with Heil products. They are two brands I avoid but I did buy this antenna analyzer and it has served me well for about three years before it crapped out.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 15, 2014, at 10:15 AM, "Mel Farrer farrerfolks@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Myron and Keith,
>
> Here is a site with link to a full schematic on the 269. http://802.11junk.com/jeffl/MFJ-269-repair/mfj-269-schematic.pdf
>
> Mel, K6KBE
>
>
> On Wednesday, October 15, 2014 5:44 AM, "Myron WVØH s9plus@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Keith,
>
> My 269 started experiencing erratic behavior when I wiggled the antenna connector. I found that the solder connection on the center conductor was broken free. It was a pain to get at it but when I was able to finally access the connection, I resoldered it and was fine. Your case may be the diodes in the bridge may be defective or maybe a soldering issue too.
>
> I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.
>
> Myron WVØH
> Printed on Recycled Data
>
>> On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@hotmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
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>> Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.

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>> Keith
>> AK6ZZ
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>> Sent from my iPhone please excuse typos
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>
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34415. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 13:44:19 UTC
From: Joe
Topic: 34399 Message: 34415
Attachments: 1 described; binary payloads are missing from this source WARC

MFJ I understand. Just curious tho, what problems did you have with Heil?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/15/2014 10:47 PM, Keith Heimbold ag6az@... [ham-antennas]
wrote:
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> Thanks Mel and everyone. I have had questionable luck with mfj
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> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
> wrote:
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>> Myron and Keith,
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>> Here is a site with link to a full schematic on the 269.
>> http://802.11junk.com/jeffl/MFJ-269-repair/mfj-269-schematic.pdf
>>
>> Mel, K6KBE
>>
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>> On Wednesday, October 15, 2014 5:44 AM, "Myron WVØH s9plus@...
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>> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
>> wrote:
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>> antenna connector. I found that the solder connection on the center
>> conductor was broken free. It was a pain to get at it but when I was
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>> Your case may be the diodes in the bridge may be defective or maybe a
>> soldering issue too.
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>> I seem to remember some 3rd party schematics floating around the
>> Internet so you may take a crack at fixing it yourself. If not, you
>> will need to send it back to MFJ for repair.
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>> Myron WVØH
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>> On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@...
>> <mailto:ag6az@...> [ham-antennas]
>> <ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>>
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>>> out what is up with it.
>>>
>>> Keith
>>> AK6ZZ
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>>> Sent from my iPhone please excuse typos
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>

34416. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 13:47:57 UTC
From: Keith Heimbold
Topic: 34399 Message: 34416

Two headsets, hand mic, footswitch and hand trigger all broke within two and half years ownership. All but one was new Heil products from HRO. I have completely given up on Heil. I still buy mfj because they have some products that have been pretty good for me and they are fair priced for most part.

My plan is to troubleshoot and repair the antenna analyzer. I have a super modest QTH now and I don't want to spend much more on this station.

Keith

Sent from my iPhone please excuse typos

> On Oct 16, 2014, at 6:44 AM, "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> MFJ I understand. Just curious tho, what problems did you have with Heil?
>
> Joe WB9SBD
> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 10/15/2014 10:47 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>> Thanks Mel and everyone. I have had questionable luck with mfj products along with Heil products. They are two brands I avoid but I did buy this antenna analyzer and it has served me well for about three years before it crapped out.
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>> Keith
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>>> Myron and Keith,
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>>> Here is a site with link to a full schematic on the 269.
http://802.11junk.com/jeffl/MFJ-269-repair/mfj-269-schematic.pdf
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>>> Mel, K6KBE
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>>> On Wednesday, October 15, 2014 5:44 AM, "Myron WVØH s9plus@yahoo.com [ham-antennas]"

<ham-antennas@yahoogroups.com> wrote:
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>>> Keith,
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>>> I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.
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>>> Myron WVØH
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>>>>
>>>> Keith
>>>> AK6ZZ
>>>>
>>>> Sent from my iPhone please excuse typos
>
>

[Non-text portions of this message have been removed]

34417. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 14:31:35 UTC
From: Mel Farrer
Topic: 34399 Message: 34417

Keith,When my 259 connector broke, I replaced the wire to the connector with a piece of de-soldering copper ribbon, the 1/16th size. Made a flexible and solid connection.
Mel, K6KBE

On Thursday, October 16, 2014 6:48 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Two headsets, hand mic, footswitch and hand trigger all broke within two and half years ownership. All but one was new Heil products from HRO. I have completely given up on Heil. I still buy mfj because they have some products that have been pretty good for me and they are fair priced for most part.

My plan is to troubleshoot and repair the antenna analyzer. I have a super modest QTH now and I don't want to spend much more on this station.

Keith

Sent from my iPhone please excuse typos

> On Oct 16, 2014, at 6:44 AM, "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> MFJ I understand. Just curious tho, what problems did you have with Heil?
>
> Joe WB9SBD
> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
> On 10/15/2014 10:47 PM, Keith Heimbold ag6az@... [ham-antennas] wrote:
>> Thanks Mel and everyone. I have had questionable luck with mfj products along with Heil products. They are two brands I avoid but I did buy this antenna analyzer and it has served me well for about three years before it crapped out.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>> On Oct 15, 2014, at 10:15 AM, "Mel Farrer farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>>
>>> Myron and Keith,
>>>

>>> Here is a site with link to a full schematic on the 269.
http://802.11junk.com/jeffl/MFJ-269-repair/mfj-269-schematic.pdf
>>>
>>> Mel, K6KBE
>>>
>>>
>>> On Wednesday, October 15, 2014 5:44 AM, "Myron WVØH s9plus@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>>
>>> Keith,
>>>
>>> My 269 started experiencing erratic behavior when I wiggled the antenna connector. I found that the solder connection on the center conductor was broken free. It was a pain to get at it but when I was able to finally access the connection, I resoldered it and was fine. Your case may be the diodes in the bridge may be defective or maybe a soldering issue too.
>>>
>>> I seem to remember some 3rd party schematics floating around the Internet so you may take a crack at fixing it yourself. If not, you will need to send it back to MFJ for repair.
>>>
>>> Myron WVØH
>>> Printed on Recycled Data
>>>
>>> On Oct 15, 2014, at 6:31 AM, Keith Heimbold ag6az@hotmail.com [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>>>
>>>>
>>>> Recently while installing some antennas my MFJ 259B went from being marginally accurate to measuring every band and frequency at >25:1. It used to do that with 160m only and now it is every band.
>>>>
>>>> I replaced the batteries with known good ones and checked the connector inside to make sure good contact was being made. I am not sure what is up but seems like the mfj curse has struck me once again. I usually stay away from their products for QA reasons but I bought this product early in my ham career and would like to figure out what is up with it.
>>>>
>>>> Keith
>>>> AK6ZZ
>>>>
>>>> Sent from my iPhone please excuse typos
>
>

[Non-text portions of this message have been removed]

34418. Re: MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 14:58:45 UTC
From: rwhitetexas@...
Topic: 34399 Message: 34418

I just had a problem with my MFJ analyzer. Instead of the wire connection from the pcb to the connector problem, the female pin of the UHF connector on the analyzer had little gripping force and would cause erratic readings. I replaced the connector with a new one and now everything functions correctly.

Roger W5RDW

34419. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 15:00:32 UTC
From: Andy
Topic: 34399 Message: 34419

My suggestions on the MFJ-259B are these:

(1) Try a dummy load, or anything close to it. If readings are good, even when wiggling everything, then the >25:1 SWR you had on every band is probably not in the analyzer. If reading is not good, then go looking for loose connections inside. Start with the RF connector; that's the most suspect.

(2) It can't hurt to touch up every solder connection. If you suspect flaky behavior in an otherwise good performing instrument from MFJ, I would do that. Most of MFJ's problems are said to be caused by cold solder joints and connections they forgot(!) to solder.

Trying to debug a problem when all you have to test it on is an antenna, is a bad idea. You never know if it's the antenna being normal, the antenna being wonky, bad feedline, or the meter. Find someone with a dummy load or get one yourself. My toolbox has an old Ethernet 10base2 a.k.a. "thinwire" dummy load, and a 75 ohm TV coax dummy load. Cheap stuff. In a pinch, just stick a low value resistor on the MFJ.

I guess you might also check that the MFJ's oscillator is oscillating right. If it's gone AWOL and either not oscillating (unlikely if you get any readings) or running on a very wrong frequency, it could make the readings all wrong. The frequency shown in the LCD should show you what it is actually doing, but a sanity check can't hurt. Tune your transceiver around with the '259B running. You should be able to pick it up.

The other possibility, I suppose, is strong local interference. Got any in your neighborhood? The '259B has a broadband detector and will respond to signals that are nowhere near the ham bands.

Regards,
Andy

34420. Re: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 15:35:26 UTC
From: Keith Heimbold
Topic: 34399 Message: 34420

Thanks for all the great suggestions. It worked fine and then went bad all of a sudden.

My antennas are working great and much less than 25:1 swr according to my Acom 1000 indicator.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> My suggestions on the MFJ-259B are these:
>
> (1) Try a dummy load, or anything close to it. If readings are good, even when wiggling everything, then the >25:1 SWR you had on every band is probably not in the analyzer. If reading is not good, then go looking for loose connections inside. Start with the RF connector; that's the most suspect.
>
> (2) It can't hurt to touch up every solder connection. If you suspect flaky behavior in an otherwise good performing instrument from MFJ, I would do that. Most of MFJ's problems are said to be caused by cold solder joints and connections they forgot(!) to solder.
>
> Trying to debug a problem when all you have to test it on is an antenna, is a bad idea. You never know if it's the antenna being normal, the antenna being wonky, bad feedline, or the meter. Find someone with a dummy load or get one yourself. My toolbox has an old Ethernet 10base2 a.k.a. "thinwire" dummy load, and a 75 ohm TV coax dummy load. Cheap stuff. In a pinch, just stick a low value resistor on the MFJ.
>
> I guess you might also check that the MFJ's oscillator is oscillating right. If it's gone AWOL and either not oscillating (unlikely if you get any readings) or running on a very wrong frequency, it could make the readings all wrong. The frequency shown in the LCD should show you what it is actually doing, but a sanity check can't hurt. Tune your transceiver around with the '259B running. You should be able to pick it up.
>
> The other possibility, I suppose, is strong local interference. Got any in your neighborhood? The '259B has a broadband detector and will respond to signals that are nowhere near the ham bands.
>
> Regards,
> Andy
>
>
>

34421. AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 19:57:29 UTC
From: siegfried jackstien
Topic: 34399 Message: 34421

For shortwave i use my sark100 (now modded with bluetooth added so i can measure with laptop direct at the antenna without usb cable needed)

And for higher I use my kc901 (scalar nwa up to 3 ghz)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 15. Oktober 2014 19:28
> An: Ham Antennas
> Betreff: Re: [ham-antennas] MFJ 259B issue
>
>
>
> I must be lucky, my MFJ has worked flawlessly for many years.
>
> I bought an AIM-4170 and it's nice, but for quick tests I always grab the
> MFJ first.
>
> 73, Dick, W1KSZ
>
> On Oct 15, 2014 12:23 PM, "Myron WVØH s9plus@yahoo.com [ham-antennas]"
> <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>
>
> Me too. Bought the RigExpert AA-600. Never looked back on those
> days.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 15, 2014, at 12:16 PM, Dave teckserve@... [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>
>

>
> I finally was able to cure all my issues with my MFJ 269,
> Bought a Rigexpert. Cured all the ills...
>
>
>
> David Edwards
> Engineering
> Quillen College of Medicine / WETS FM HD
> Advanced EMT
> Emergency Veterinary Tech
>
>
> On Wednesday, October 15, 2014 8:31 AM, "Keith Heimbold
> ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
> Recently while installing some antennas my MFJ 259B went
from
> being marginally accurate to measuring every band and frequency at >25:1.
> It used to do that with 160m only and now it is every band.
>
> I replaced the batteries with known good ones and checked
the
> connector inside to make sure good contact was being made. I am not sure
> what is up but seems like the mfj curse has struck me once again. I
> usually stay away from their products for QA reasons but I bought this
> product early in my ham career and would like to figure out what is up
> with it.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>
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>

34422. AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-16 20:00:41 UTC
From: siegfried jackstien
Topic: 34399 Message: 34422

Static strike maybe?!? ... could it be that you connected an antenna with "charged" coax??? Or any strong transmitter close??

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 16. Oktober 2014 15:35
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] MFJ 259B issue
>
>
>
> Thanks for all the great suggestions. It worked fine and then went bad all
> of a sudden.
>
> My antennas are working great and much less than 25:1 swr according to my
> Acom 1000 indicator.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@... [ham-antennas]"
> <ham-antennas@yahoogroups.com> wrote:
>
>
>
>
>
>
>
> My suggestions on the MFJ-259B are these:
>
> (1) Try a dummy load, or anything close to it. If readings are
> good, even when wiggling everything, then the >25:1 SWR you had on every
> band is probably not in the analyzer. If reading is not good, then go
> looking for loose connections inside. Start with the RF connector; that's
> the most suspect.
>
> (2) It can't hurt to touch up every solder connection. If you
> suspect flaky behavior in an otherwise good performing instrument from
> MFJ, I would do that. Most of MFJ's problems are said to be caused by

> cold solder joints and connections they forgot(!) to solder.
>
>
> Trying to debug a problem when all you have to test it on is an
> antenna, is a bad idea. You never know if it's the antenna being normal,
> the antenna being wonky, bad feedline, or the meter. Find someone with a
> dummy load or get one yourself. My toolbox has an old Ethernet 10base2
> a.k.a. "thinwire" dummy load, and a 75 ohm TV coax dummy load. Cheap
> stuff. In a pinch, just stick a low value resistor on the MFJ.
>
> I guess you might also check that the MFJ's oscillator is
> oscillating right. If it's gone AWOL and either not oscillating (unlikely
> if you get any readings) or running on a very wrong frequency, it could
> make the readings all wrong. The frequency shown in the LCD should show
> you what it is actually doing, but a sanity check can't hurt. Tune your
> transceiver around with the '259B running. You should be able to pick it
> up.
>
> The other possibility, I suppose, is strong local interference. Got
> any in your neighborhood? The '259B has a broadband detector and will
> respond to signals that are nowhere near the ham bands.
>
> Regards,
> Andy
>
>
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>

34423. Re: AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-17 04:36:38 UTC
From: Keith Heimbold
Topic: 34399 Message: 34423

I actually wondered if that was possible. The amp and antenna analyzer are generally next to each other on my small desk area. It didn't take long from operating fine to no longer functioning.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 16, 2014, at 1:03 PM, "'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Static strike maybe?!? ... could it be that you connected an antenna with
> "charged" coax??? Or any strong transmitter close??
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 16. Oktober 2014 15:35
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] MFJ 259B issue
> >
> >
> >
> > Thanks for all the great suggestions. It worked fine and then went bad all
> > of a sudden.
> >
> > My antennas are working great and much less than 25:1 swr according to my
> > Acom 1000 indicator.
> >
> > Keith
> > AK6ZZ
> >
> > Sent from my iPhone please excuse typos
> >
> > On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@gmail.com [ham-antennas]"
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> > the most suspect.
> >
> > (2) It can't hurt to touch up every solder connection. If you
> > suspect flaky behavior in an otherwise good performing instrument from
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> > cold solder joints and connections they forgot(!) to solder.
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> > antenna, is a bad idea. You never know if it's the antenna being normal,
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> > The other possibility, I suppose, is strong local interference. Got
> > any in your neighborhood? The '259B has a broadband detector and will
> > respond to signals that are nowhere near the ham bands.
> >
> > Regards,
> > Andy
> >
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34424. Re: AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-17 05:04:48 UTC
From: Art Nienhouse
Topic: 34399 Message: 34424

*/I have twice had to fix the MFJ 269 analyzer do not leave it next to
your amp while operating high power,
it will take out the fet burred inside it.
The first time it was connected to a Alpha Delta coax switched the
second time it was on the bench near my Amp but not connected.

Regards
Art
ka9zap
/*
On 10/16/2014 11:36 PM, Keith Heimbold ag6az@... [ham-antennas]
wrote:
> I actually wondered if that was possible. The amp and antenna analyzer
> are generally next to each other on my small desk area. It didn't take
> long from operating fine to no longer functioning.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Oct 16, 2014, at 1:03 PM, "'siegfried jackstien'
> siegfried.jackstien@... <mailto:siegfried.jackstien@...>
> [ham-antennas]" <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
>> Static strike maybe?!? ... could it be that you connected an antenna with
>> "charged" coax??? Or any strong transmitter close??
>>
>> Dg9bfc
>>
>> Sigi
>>
>> > -----Ursprüngliche Nachricht-----
>> > Von: ham-antennas@yahoogroups.com
>> <mailto:ham-antennas@yahoogroups.com>
>> [mailto:ham-antennas@yahoogroups.com]
>> > Gesendet: Donnerstag, 16. Oktober 2014 15:35
>> > An: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
>> > Betreff: Re: [ham-antennas] MFJ 259B issue
>> >
>> >
>> >
>> > Thanks for all the great suggestions. It worked fine and then went
>> bad all

>> > of a sudden.
>> >
>> > My antennas are working great and much less than 25:1 swr according
>> to my
>> > Acom 1000 indicator.
>> >
>> > Keith
>> > AK6ZZ
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>> > Sent from my iPhone please excuse typos
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>> > On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@...
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>> > <ham-antennas@yahoogroups.com
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>> > My suggestions on the MFJ-259B are these:
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>> > (2) It can't hurt to touch up every solder connection. If you
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>> > Trying to debug a problem when all you have to test it on is an
>> > antenna, is a bad idea. You never know if it's the antenna being
>> normal,
>> > the antenna being wonky, bad feedline, or the meter. Find someone
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>> > I guess you might also check that the MFJ's oscillator is
>> > oscillating right. If it's gone AWOL and either not oscillating
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>> > The other possibility, I suppose, is strong local interference. Got
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>> >
>> > Regards,
>> > Andy
>> >
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>

34425. WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 00:21:46 UTC
From: Tom Becker
Topic: 34399 Message: 34425

FYI, you folks might appreciate this map of the HF transmit antenna farm that AT&T operated for many years in Pennsuco, Florida, west of Miami, as WOM, one of its three High Seas ship-to-shore and island telephone service stations; WOM's corresponding receive site was in Plantation, near Fort Lauderdale. https://en.wikipedia.org/wiki/AT%26T_High_Seas_Service

When it was decommissioned the transmission facility sported 38 log-periodics, rhombics and omni verticals over a half-square-mile of Everglades, each of which could handle 10kW from any of 20 or so mostly-Collins transmitters. I took a photo of the antenna map hanging on the wall, and its key, when WOM went dark in 1999.

http://rightime.com/HF/P1030367aa.JPG
http://rightime.com/HF/PennsucoList.pdf

The center of the log-periodic circle is at 25?52'29.38" -80?28'45.98". Google Earth has several overhead views from 1994 to current, when, except for the still-standing microwave (and now FM) tower, everything has been reduced to "grade-level".

Tom

34426. Re: AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 00:28:31 UTC
From: Keith Heimbold
Topic: 34399 Message: 34426

Ok I went to HRO and did the impulsive thing and purchased a RigExpert AA-54 and put the MFJ259B on Craigslist for $50. The RigExpert AA-54 covers the bands I care most about and it is actually really cool and intuitive.

I appreciate all the help and perspective!!!

Keith
Ak6ZZ

Sent from my iPhone please excuse typos

> On Oct 16, 2014, at 10:04 PM, "Art Nienhouse ka9zap@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I have twice had to fix the MFJ 269 analyzer do not leave it next to your amp while operating high power,
> it will take out the fet burred inside it.
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>>> Static strike maybe?!? ... could it be that you connected an antenna with
>>> "charged" coax??? Or any strong transmitter close??
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>>> Dg9bfc
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>>>

>>> > -----UrsprÃŒngliche Nachricht-----
>>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>> > Gesendet: Donnerstag, 16. Oktober 2014 15:35
>>> > An: ham-antennas@yahoogroups.com
>>> > Betreff: Re: [ham-antennas] MFJ 259B issue
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>>> > respond to signals that are nowhere near the ham bands.
>>> >
>>> > Regards,
>>> > Andy
>>> >
>>> >
>>> >
>>> >
>>> >
>>> >
>
>

34427. MFJ Analyzer

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 00:49:35 UTC
From: JBA
Topic: 34427 Message: 34427

Hey Keith!!
If your selling the MFJ for 50 bucks, I'd like to have it. Maybe I can get it working again.

Thanks and 73,

Benton wb5twc

34428. Re: [ham-antennas] MFJ Analyzer

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 01:21:20 UTC
From: Keith Heimbold
Topic: 34427 Message: 34428

Sounds good. Contact me offline for Paypal address.

Keith
AK6ZZ

Email is ak6zz@hotmail.com

Sent from my iPhone please excuse typos

> On Oct 17, 2014, at 5:52 PM, "JBA allen3500@bellsouth.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hey Keith!!
> If your selling the MFJ for 50 bucks, I'd like to have it. Maybe I can get it working again.
>
> Thanks and 73,
>
> Benton wb5twc
>

34429. Re: AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 01:39:01 UTC
From: Myron WVØH
Topic: 34399 Message: 34429

Keith,

Welcome to the RigExpert family. I have a -269 and thought that I would miss the easy sweeping of the knob but as it turns out that I don't miss it at all. I have the AA-600 and really appreciate just about everything about it. The ability to display 5 frequencies' SWR is the bees knees. It's really handy when I tune my field doublet, I want it to tune on only one frequency at a time (because there are situations where I can get multiple SWR dips depending upon the tuning of the tuner), and the RE can quickly identify what's going on simultaneously.

When you hook it up to a computer, you can calibrate to the end of your coax and get a reading at that point, not the reading at the analyzer. (The AA-600 can calibrate on the analyzer without the computer). Btw, the hooking up to a computer was as effortless. Just download the software and go. Easy.

The AA-600 has another neat feature to send out a signal on a 2m frequency that you can program to alert you of an approaching SWR dip. Let's say you are wanting to tweek an antenna on a tower but don't have 4 hands. Simply set the AA-600 to the give a continuous SWR reading while that mode on and carry up an HT tuned to that 2m frequency you preprogrammed into the RE and listen for the rhythmic pulsing of the signal on the 2 meter HT. When the SWR is high the period is long. When a dip is approached the period of beeps increases until a steady tone is emitted telling you you are at 1:1.

The RigExpert golden rule is press the "OK" button after entering a command or expecting it to sweep, or something.

I don't want to dissuade you but there may be others sitting on the fence between the -54 and -600, the -600 gives 16 bits of resolution in the front end A/D converter. A big deal because that extra resolution allows fairly high impedances to be measured with reasonable accuracy. No other analyzer on the market can measure up to 10,000 ohms R or X, most stop at 1000 ohms.

As you can tell I love my RigExpert!

There is a RigExpert Yahoo group and we have spirited email exchanges at times but do try to help each other out. The owner of RigExpert, Denis, chimes in occasionally.

Myron WVØH
Printed on Recycled Data

> On Oct 17, 2014, at 6:28 PM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Ok I went to HRO and did the impulsive thing and purchased a RigExpert AA-54 and put the MFJ259B on Craigslist for $50. The RigExpert AA-54 covers the bands I care most about and it is actually really cool and intuitive.
>

> I appreciate all the help and perspective!!!
>
> Keith
> Ak6ZZ
>
> Sent from my iPhone please excuse typos
>
>> On Oct 16, 2014, at 10:04 PM, "Art Nienhouse ka9zap@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> I have twice had to fix the MFJ 269 analyzer do not leave it next to your amp while operating high power,
>> it will take out the fet burred inside it.
>> The first time it was connected to a Alpha Delta coax switched the second time it was on the bench near my Amp but not connected.
>>
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>> Art
>> ka9zap
>>
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>>>
>>> Keith
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>>>> Static strike maybe?!? ... could it be that you connected an antenna with
>>>> "charged" coax??? Or any strong transmitter close??
>>>>
>>>> Dg9bfc
>>>>
>>>> Sigi
>>>>
>>>> > -----UrsprÃŒngliche Nachricht-----
>>>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>>> > Gesendet: Donnerstag, 16. Oktober 2014 15:35
>>>> > An: ham-antennas@yahoogroups.com
>>>> > Betreff: Re: [ham-antennas] MFJ 259B issue
>>>> >
>>>> >

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>>>> > Thanks for all the great suggestions. It worked fine and then went bad all
>>>> > of a sudden.
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>>>> > Acom 1000 indicator.
>>>> >
>>>> > Keith
>>>> > AK6ZZ
>>>> >
>>>> > Sent from my iPhone please excuse typos
>>>> >
>>>> > On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@... [ham-antennas]"
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>>>> > My suggestions on the MFJ-259B are these:
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>>>> > (1) Try a dummy load, or anything close to it. If readings are
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>>>> > looking for loose connections inside. Start with the RF connector; that's
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>>>> > Trying to debug a problem when all you have to test it on is an
>>>> > antenna, is a bad idea. You never know if it's the antenna being normal,
>>>> > the antenna being wonky, bad feedline, or the meter. Find someone with a
>>>> > dummy load or get one yourself. My toolbox has an old Ethernet 10base2
>>>> > a.k.a. "thinwire" dummy load, and a 75 ohm TV coax dummy load. Cheap
>>>> > stuff. In a pinch, just stick a low value resistor on the MFJ.
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>>>> > I guess you might also check that the MFJ's oscillator is
>>>> > oscillating right. If it's gone AWOL and either not oscillating (unlikely
>>>> > if you get any readings) or running on a very wrong frequency, it could
>>>> > make the readings all wrong. The frequency shown in the LCD should show
>>>> > you what it is actually doing, but a sanity check can't hurt. Tune your
>>>> > transceiver around with the '259B running. You should be able to pick it
>>>> > up.
>>>> >

>>>> > The other possibility, I suppose, is strong local interference. Got
>>>> > any in your neighborhood? The '259B has a broadband detector and will
>>>> > respond to signals that are nowhere near the ham bands.
>>>> >
>>>> > Regards,
>>>> > Andy
>>>> >
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>

34430. Re: AW: [ham-antennas] MFJ 259B issue

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 02:07:51 UTC
From: Keith Heimbold
Topic: 34399 Message: 34430

Thanks Myron! I have been using it since I got home and it is way cool!!! And I already sold the 259B to someone who wants to fix it. Plus it was on sale at HRO. I picked it up for $75 off retail price.

Win win situation all the way around.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 17, 2014, at 6:39 PM, "Myron WVØH s9plus@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Keith,
>
> Welcome to the RigExpert family. I have a -269 and thought that I would miss the easy sweeping of the knob but as it turns out that I don't miss it at all. I have the AA-600 and really appreciate just about everything about it. The ability to display 5 frequencies' SWR is the bees knees. It's really handy when I tune my field doublet, I want it to tune on only one frequency at a time (because there are situations where I can get multiple SWR dips depending upon the tuning of the tuner), and the RE can quickly identify what's going on simultaneously.
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>>>>> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>>>>> > Gesendet: Donnerstag, 16. Oktober 2014 15:35
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>>>>> > On Oct 16, 2014, at 8:01 AM, "Andy ai.egrps@gmail.com [ham-antennas]"
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>>>>> >
>>>>> > Regards,
>>>>> > Andy
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>>>>> >
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>

34431. AW: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 10:21:18 UTC
From: siegfried jackstien
Topic: 34399 Message: 34431

What a nice antenna farm ...

That would be a nice ham station :-) (multi op multi band contest location)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 18. Oktober 2014 00:22
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] WOM
>
>
>
> FYI, you folks might appreciate this map of the HF transmit antenna farm
> that AT&T operated for many years in Pennsuco, Florida, west of Miami, as
> WOM, one of its three High Seas ship-to-shore and island telephone service
> stations; WOM's corresponding receive site was in Plantation, near Fort
> Lauderdale. https://en.wikipedia.org/wiki/AT%26T_High_Seas_Service
>
> When it was decommissioned the transmission facility sported 38 log-
> periodics, rhombics and omni verticals over a half-square-mile of
> Everglades, each of which could handle 10kW from any of 20 or so mostly-
> Collins transmitters. I took a photo of the antenna map hanging on the
> wall, and its key, when WOM went dark in 1999.
>
> http://rightime.com/HF/P1030367aa.JPG
> http://rightime.com/HF/PennsucoList.pdf
>
> The center of the log-periodic circle is at 25°52'29.38" -80°28'45.98".
> Google Earth has several overhead views from 1994 to current, when, except
> for the still-standing microwave (and now FM) tower, everything has been
> reduced to "grade-level".
>
> Tom
>
>
>
>

34432. Re: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 21:56:56 UTC
From: Ken
Topic: 34399 Message: 34432

Interesting. I don't recall ever hearing those stations although I heard Cable and Wireless stations in Bermuda and other British islands when I was an SWL in the early 1960's.

As for the antenna farm, I'll bet some DXers would have loved to use that! I know some local DXers got to use the VOA antennas at Bethany Ohio (WLWO) when it was closed and before they were torn down. I still miss seeing those antennas when I drive up I-75.

Ken WA8JXM

On Oct 17, 2014, at 8:21 PM, Tom Becker gtbecker@... [ham-antennas] wrote:

>
>
> FYI, you folks might appreciate this map of the HF transmit antenna farm that AT&T operated for many years in Pennsuco, Florida, west of Miami, as WOM, one of its three High Seas ship-to-shore and island telephone service stations; WOM's corresponding receive site was in Plantation, near Fort Lauderdale.
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>
> Tom
>

34433. Re: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-18 22:22:51 UTC
From: Tom Becker
Topic: 34399 Message: 34433

> ... I'll bet some DXers would have loved to use that...

I understand they did. AT&T allowed hams to use the WOM antennas for several weeks. At my last visit inside, two RVs were parked in the rear of the building, closest to the patch bay, surely working an impossible QRP contact - or smoking Barbados.

There was a weekend club meet, too; sort of a Field Day, except the antennas were provided. I imagine it was fun.

Tom

34434. balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 00:29:30 UTC
From: dalecole3502@...
Topic: 34434 Message: 34434

I just purchased a Amidon HB-200 (4:1) in like new condition. It did not come with a manual. Hooking it up today, I noticed that it was not marked as to which side the balanced lline is the conductor, or does it not matter. This is my first balun in over 40 years of this grand hobby, but I don't know a thing about baluns. My only OCF dipole was factory assembled with traps. This is a home brew.
I checked the site but found no information.

Anybody got anything to share?

Dale K8TS

Dale K8TS

34435. Re: [ham-antennas] balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 00:39:01 UTC
From: Myron WVØH
Topic: 34434 Message: 34435

Hi Dale,

The PL-259 screws into the SO-239 jack and the balanced connection are the ceramic posts on the other end. It appears that there is a ground connection and you can ground it if you want but if it is at the feed point of an antenna you don't want to ground it.

I'm not sure what you mean by which side the balanced line is a conductor, so if you could say more about that.

Myron WVØH
Printed on Recycled Data

> On Oct 18, 2014, at 6:29 PM, dalecole3502@... [ham-antennas] <ham-antennas@...m> wrote:
>
> which side the balanced lline is the conductor,

34436. Re: [ham-antennas] balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 00:51:19 UTC
From: dalecole3502@...
Topic: 34434 Message: 34436

sri wrong button.
A diagram of the antenna appears at:
http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html
Does it matter which side of the balun I hook up to? The unit is unmarked.
Thanks for the info.
Dale K8TS

----- Original Message -----

From: "Myron WVØH s9plus@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 18, 2014 8:39:01 PM
Subject: Re: [ham-antennas] balun

Hi Dale,

The PL-259 screws into the SO-239 jack and the balanced connection are the ceramic posts on the other end. It appears that there is a ground connection and you can ground it if you want but if it is at the feed point of an antenna you don't want to ground it.

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Myron WVØH
Printed on Recycled Data

> On Oct 18, 2014, at 6:29 PM, dalecole3502@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> which side the balanced lline is the conductor,

34437. Re: [ham-antennas] balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 01:28:44 UTC
From: Myron WVØH
Topic: 34434 Message: 34437

I won't matter, should be good to go.

Myron WVØH
Printed on Recycled Data

> On Oct 18, 2014, at 6:51 PM, dalecole3502@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> sri wrong button.
> A diagram of the antenna appears at:
> http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html
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>
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> >
> > which side the balanced lline is the conductor,
>
>

34438. AW: [ham-antennas] balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 09:05:46 UTC
From: siegfried jackstien
Topic: 34434 Message: 34438

Your amidon is a voltae type balun?? (I am guessin yes) ... so then there is one connection to output that is dorect connected to the input hot side ...

And on the antenna sketch you see that there is a red and a black connector

Yes on a real balanced antenna and with a real balun it would not matter .. but this special antenna is not real balanced ... and your balun is a voltage type balun ... so I would guess that IT DOES MATTER where you connect what wire

I would say ... try it out ... if you can not measure what connector is hot and what is cold

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 19. Oktober 2014 00:51
> An: ham-antennas
> Betreff: Re: [ham-antennas] balun
>
>
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> Myron WVØH
> Printed on Recycled Data
>
>
> > On Oct 18, 2014, at 6:29 PM, dalecole3502@comcast.net [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
> >
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34439. Re: AW: [ham-antennas] balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 12:56:20 UTC
From: Myron WVØH
Topic: 34434 Message: 34439

No, it's a Guenalla balun. There is no "hot" or "cold" side to the balanced output. Maybe with a Ruthroff style there is may be hot or cold side but not the W2FMI style.

Output can be connected to either connection. It doesn't matter, balanced will be achieved.

Myron WVØH
Printed on Recycled Data

> On Oct 19, 2014, at 3:05 AM, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Your amidon is a voltae type balun?? (I am guessin yes) ... so then there is
> one connection to output that is dorect connected to the input hot side ...
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>
> Yes on a real balanced antenna and with a real balun it would not matter ..
> but this special antenna is not real balanced ... and your balun is a
> voltage type balun ... so I would guess that IT DOES MATTER where you
> connect what wire
>
> I would say ... try it out ... if you can not measure what connector is hot
> and what is cold
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Sonntag, 19. Oktober 2014 00:51
> > An: ham-antennas
> > Betreff: Re: [ham-antennas] balun
> >
> >
> >
> > sri wrong button.
> >
> > A diagram of the antenna appears at:
> > http://ve3clq.blogspot.com/2011/01/w3edp-antenna.html
> > Does it matter which side of the balun I hook up to? The unit is
> > unmarked.
> > Thanks for the info.
> > Dale K8TS
> >
> > _____

> >
> > From: "Myron WVØH s9plus@... [ham-antennas]" <ham-
> > antennas@yahoogroups.com>
> > To: ham-antennas@yahoogroups.com
> > Sent: Saturday, October 18, 2014 8:39:01 PM
> > Subject: Re: [ham-antennas] balun
> >
> >
> >
> >
> > Hi Dale,
> >
> >
> > The PL-259 screws into the SO-239 jack and the balanced connection are the
> > ceramic posts on the other end. It appears that there is a ground
> > connection and you can ground it if you want but if it is at the feed
> > point of an antenna you don't want to ground it.
> >
> >
> > I'm not sure what you mean by which side the balanced line is a conductor,
> > so if you could say more about that.
> >
> >
> > Myron WVØH
> > Printed on Recycled Data
> >
> >
> > > On Oct 18, 2014, at 6:29 PM, dalecole3502@... [ham-antennas]
> > <ham-antennas@yahoogroups.com> wrote:
> > >
> > > which side the balanced lline is the conductor,
> >
> >
> >
> >
>
>

34440. balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 15:49:23 UTC
From: dalecole3502@...
Topic: 34434 Message: 34440

I have viewed some of the other sites describing this antenna. It appears this was designed for a 'top-end' of 40 meters--Did I make a mistake in assuming (theirs that word again) that it worked on 80 meters? Still got a few hours to hang this thing as I gotta run to the Rat Shack and hope they have some PL-259. I thought I had plenty...but they all been used at one time or another, and they are less that pretty when I get done with them
Dale K8TS

34441. AW: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 16:20:23 UTC
From: siegfried jackstien
Topic: 34399 Message: 34441

Hello tom and ken ... look this video

http://www.youtube.com/watch?v=3vE1zk60v3E

big gun from the Netherlands (sadly they could not use the 500kw amps from
the original transmitter)

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 18. Oktober 2014 22:23
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] WOM
>
> > ... I'll bet some DXers would have loved to use that...
>
> I understand they did. AT&T allowed hams to use the WOM antennas for
> several weeks. At my last visit inside, two RVs were parked in the rear
> of the building, closest to the patch bay, surely working an impossible
> QRP contact - or smoking Barbados.
>
> There was a weekend club meet, too; sort of a Field Day, except the
> antennas were provided. I imagine it was fun.
>
> Tom
>
>
>
> ------------------------------------
>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ------------------------------------
>
> Yahoo Groups Links

>
>
>

34442. Re: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-19 16:36:20 UTC
From: Timothy-Allen Albertson
Topic: 34399 Message: 34442

It too me many years from the time I was first inteoduced to Ham Radio by my uncle (K0BXP) to it when I was a child. Mainly, Code. But almost Two Score later I gor licensed.

But I have always found an antenna farm to be a site of great beauty. (Not as much as my new XYL. But still a great beauty.)

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Sun, Oct 19, 2014 at 11:20 AM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hello tom and ken ... look this video
>
> http://www.youtube.com/watch?v=3vE1zk60v3E
>
> big gun from the Netherlands (sadly they could not use the 500kw amps from
> the original transmitter)
>
> dg9bfc
>
> sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Samstag, 18. Oktober 2014 22:23
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] WOM
> >
> > > ... I'll bet some DXers would have loved to use that...
> >
> > I understand they did. AT&T allowed hams to use the WOM antennas for
> > several weeks. At my last visit inside, two RVs were parked in the rear
> > of the building, closest to the patch bay, surely working an impossible
> > QRP contact - or smoking Barbados.
> >
> > There was a weekend club meet, too; sort of a Field Day, except the
> > antennas were provided. I imagine it was fun.
> >
> > Tom
> >
> >

> >
> > ------------------------------------
> >
> > ------------------------------------
> >
> > HAM ANTENNAS Anything and everything, tell us or ask questions. Replies
> go
> > to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> > Any statements in ANY post that may be construed as inflamatory MAY be
> > cause for suspension. Moderators WILL have final say in these matters.
> > Post message: ham-antennas@yahoogroups.com
> > Subscribe: ham-antennas-subscribe@yahoogroups.com
> > Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> > List owner: ham-antennas-owner@yahoogroups.com
> > ------------------------------------
> >
> > Yahoo Groups Links
> >
> >
> >
>
>
>

34443. re: HB35C

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 01:19:10 UTC
From: Alan
Topic: 34319 Message: 34443

Hi Chris,
I have had no response at all from Emtronics
so if it is possible for you to scan your copy I would
very much appreciate it.
Any costs let me know please

73 Alan ZL3KR

34444. 28 Mhz 4 el beam design

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 01:40:05 UTC
From: Alan
Topic: 34444 Message: 34444

I was wondering if someone might care to run the dimensions of my 4 el yagi for
28.4Mhz thru a simulation program to see if I can make any improvements to it. It is a home brew built from various bits of info I have gathered and performs reasonably well and gamma matched with an SWR under 1.2 to 1 from 28 to 28.6.
I do not have a program to look at it with nor do I have the brains to run such a program!!
needs to fit on the current boom which is 5 metres in length.
current dimensions are:
Reflector 5.335M
Radiator 4.92M
1st director 4.945M
2nd director 4.81M
spacing
refl to rad 1.58M
rad to dir 1 1.135M
dir 1 to dir 2 2.235M
I am not looking for maximum F/B ratio more for best gain.
Reason I am looking at it just now is that it is sitting on the ground while I repair the rotator which decided to strip about 30 teeth off the gear.

Alan ZL3KR

34445. Re: [ham-antennas] 28 Mhz 4 el beam design

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 05:00:47 UTC
From: David Welker
Topic: 34444 Message: 34445

,
Checking ARRL Antrnna Handbook has a 6 elbeam for ten Refl=18ft,De=16' 101/2"-
Dir1=16', dir2=15'101/2",spacing R to DE=5'101/2", DE to Dir1=4'10", dir1 tro Dir2=5'6"
I hope this helps, ggod luck
Dave----------
On Sun, 10/19/14, Alan zl3kr@....nz [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Subject: [ham-antennas] 28 Mhz 4 el beam design
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Sunday, October 19, 2014, 9:40 PM

I was wondering if someone might care to run the
dimensions of my 4 el

yagi for

28.4Mhz thru a simulation program to see if I can make any
improvements

to it. It is a home brew built from various bits of info I
have

gathered and performs reasonably well and gamma matched with
an SWR

under 1.2 to 1 from 28 to 28.6.

I do not have a program to look at it with nor do I have the
brains to

run such a program!!

needs to fit on the current boom which is 5 metres in
length.

current dimensions are:

Reflector 5.335M

Radiator 4.92M

1st director 4.945M

2nd director 4.81M

spacing

refl to rad 1.58M

rad to dir 1 1.135M

dir 1 to dir 2 2.235M

I am not looking for maximum F/B ratio more for best
gain.

Reason I am looking at it just now is that it is sitting on
the ground

while I repair the rotator which decided to strip about 30
teeth off the

gear.

Alan ZL3KR

34446. AW: [ham-antennas] 28 Mhz 4 el beam design

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 05:45:38 UTC
From: siegfried jackstien
Topic: 34444 Message: 34446

Download and install mmana-gal (antenna simulation software) ... many ready to use models in it ... freeware! ... and is easy to use

If you know how to use any "paint" software (drawing a line with the mouse) ... like point, click, drag a line and then release the button ... then you also can draw antennas in mmana

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 20. Oktober 2014 01:40
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] 28 Mhz 4 el beam design
>
>
>
> I was wondering if someone might care to run the dimensions of my 4 el
> yagi for
> 28.4Mhz thru a simulation program to see if I can make any improvements
> to it. It is a home brew built from various bits of info I have
> gathered and performs reasonably well and gamma matched with an SWR
> under 1.2 to 1 from 28 to 28.6.
> I do not have a program to look at it with nor do I have the brains to
> run such a program!!
> needs to fit on the current boom which is 5 metres in length.
> current dimensions are:
> Reflector 5.335M
> Radiator 4.92M
> 1st director 4.945M
> 2nd director 4.81M
> spacing
> refl to rad 1.58M
> rad to dir 1 1.135M
> dir 1 to dir 2 2.235M
> I am not looking for maximum F/B ratio more for best gain.
> Reason I am looking at it just now is that it is sitting on the ground
> while I repair the rotator which decided to strip about 30 teeth off the
> gear.
>
> Alan ZL3KR
>
>
>

>

34447. End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 06:14:37 UTC
From: Keith Heimbold
Topic: 34447 Message: 34447

Today I built my first fan dipole and it was a big challenge to get the two bands (20m & 15m) to tune. It was a fun adventure and I almost decided to add another band but decided to hold off for another weekend. I didn't have a chance to work anyone with it because the bands seem somewhat lousy after sunset here on the west coast on the upper bands. My new RigExpert AA54 was awesome for this project.

I also just about finished my single band cobweb for 10m and now my next adventure is to figure out which end fed wire antenna to build for 80,40,and the warc bands (30,17,12).

Any suggestions out there, I am all ears. I am pretty confined on space and no commercial antennas are in my future at this property. Also nothing can be permanently mounted on the house.

Look forward to the recommendations.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34448. Re: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 12:28:43 UTC
From: Myron WVØH
Topic: 34447 Message: 34448

Hi Keith,

Does this mean that you can have a temporary antenna? Like put it up when you operate then take it down? If so, I would consider a telescoping fishing pole. I have one that is super lightweight and take it out on my field adventures. I can have up a full-sized 40 meter doublet up in 15 minutes. I can take it down in 10 minutes.

Myron WVØH
Printed on Recycled Data

> On Oct 20, 2014, at 12:14 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Today I built my first fan dipole and it was a big challenge to get the two bands (20m & 15m) to tune. It was a fun adventure and I almost decided to add another band but decided to hold off for another weekend. I didn't have a chance to work anyone with it because the bands seem somewhat lousy after sunset here on the west coast on the upper bands. My new RigExpert AA54 was awesome for this project.
>
> I also just about finished my single band cobweb for 10m and now my next adventure is to figure out which end fed wire antenna to build for 80,40,and the warc bands (30,17,12).
>
> Any suggestions out there, I am all ears. I am pretty confined on space and no commercial antennas are in my future at this property. Also nothing can be permanently mounted on the house.
>
> Look forward to the recommendations.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34449. AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 12:52:00 UTC
From: siegfried jackstien
Topic: 34447 Message: 34449

Ladderline fed doublet ... works all bands and is just ONE wire in the air

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 20. Oktober 2014 06:15
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] End fed recommendations please
>
>
>
> Today I built my first fan dipole and it was a big challenge to get the
> two bands (20m & 15m) to tune. It was a fun adventure and I almost decided
> to add another band but decided to hold off for another weekend. I didn't
> have a chance to work anyone with it because the bands seem somewhat lousy
> after sunset here on the west coast on the upper bands. My new RigExpert
> AA54 was awesome for this project.
>
> I also just about finished my single band cobweb for 10m and now my next
> adventure is to figure out which end fed wire antenna to build for
> 80,40,and the warc bands (30,17,12).
>
> Any suggestions out there, I am all ears. I am pretty confined on space
> and no commercial antennas are in my future at this property. Also nothing
> can be permanently mounted on the house.
>
> Look forward to the recommendations.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34450. Re: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 13:02:42 UTC
From: Myron WVØH
Topic: 34447 Message: 34450

Oh another thought, consider a vertically oriented magnetic loop. They don't have to be up very high, like only one loop diameter above ground minimum, surely that wouldn't attract any attention. Probably the only thing that MFJ makes well are there magnetic loops. All welded construction.

I home brewed mine for portable field use. The sky's the limit. I bought a used Comet vacuum variable from Surplus Sales of Nebraska for about $240, got some Andrew 1/2" hardline with some male type N connectors laying around (I used to work in two-way radio) and mounted an L bracket to the VV cap, screwed on the Heliax. Very fun project. I'm going to try 7/8" Heliax next. My loop diameter is 4 feet and tunes 15-40m and with an additional cap, 80m.

Just brainstorming.

Myron WVØH
Printed on Recycled Data

> On Oct 20, 2014, at 6:28 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Hi Keith,
>
> Does this mean that you can have a temporary antenna? Like put it up when you operate then take it down? If so, I would consider a telescoping fishing pole. I have one that is super lightweight and take it out on my field adventures. I can have up a full-sized 40 meter doublet up in 15 minutes. I can take it down in 10 minutes.
>
> Myron WVØH
> Printed on Recycled Data
>
>> On Oct 20, 2014, at 12:14 AM, Keith Heimbold ag6az@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Today I built my first fan dipole and it was a big challenge to get the two bands (20m & 15m) to tune. It was a fun adventure and I almost decided to add another band but decided to hold off for another weekend. I didn't have a chance to work anyone with it because the bands seem somewhat lousy after sunset here on the west coast on the upper bands. My new RigExpert AA54 was awesome for this project.
>>
>> I also just about finished my single band cobweb for 10m and now my next adventure is to figure out which end fed wire antenna to build for 80,40,and the warc bands (30,17,12).
>>
>> Any suggestions out there, I am all ears. I am pretty confined on space and no commercial antennas are in my future at this property. Also nothing can be permanently mounted on the house.

>>
>> Look forward to the recommendations.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>
>

34451. 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 13:49:21 UTC
From: Joe
Topic: 28132 Message: 34451
Attachments: 2 described; binary payloads are missing from this source WARC

Here is a question, in the 4 to 1 balun as seen below.
Say it is made for 14.175 center of the band.

Both the loop part and main feed part are electrical 1/4 waves etc.
The input end is 50 ohms as seen and output 200 ohms.

Now what happens as you slide off freq? IE: at 14.000 or 14.350 with
50 ohms still at the input end what is happening at the otyher end?

Joe WB9SBD

--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

34452. Re: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 14:10:32 UTC
From: Myron WVØH
Topic: 28132 Message: 34452

Joe,

Baluns like this are broad enough to cover the entire 20m band. They usually have 10% bandwidth maybe more if the losses are high.

The transformation will still be 200 or so ohms at the band edges.

Myron WVØH
Printed on Recycled Data

> On Oct 20, 2014, at 7:49 AM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Here is a question, in the 4 to 1 balun as seen below.
> Say it is made for 14.175 center of the band.
>
> Both the loop part and main feed part are electrical 1/4 waves etc.
> The input end is 50 ohms as seen and output 200 ohms.
>
> Now what happens as you slide off freq? IE: at 14.000 or 14.350 with 50 ohms still at the input end what is happening at the otyher end?
>
> Joe WB9SBD
> <balun2.jpg>
> --
> <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>

34453. RE: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 14:33:37 UTC
From: Billy McFarland
Topic: 28132 Message: 34453
Attachments: 1 described; binary payloads are missing from this source WARC

It changes as it is not an electrical 1/4 wave of that frequency. But if you a for the centre of the band it hopefully shouldn't be out by much

73 Billy GM0OBX

34454. Re: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 14:25:25 UTC
From: Joe
Topic: 28132 Message: 34454
Attachments: 2 described; binary payloads are missing from this source WARC

Ok,
But what way is it changing? So it changes, in what way? For the
better? In other words like when it's used in the feed of a yagi,
http://www.k7mem.com/Electronic_Notebook/antennas/images/yagi_feed_balun.gif
as the impedance of the yagi natural impedance changes with frequency,
does the changes of the balun also help cancel out the changes happening
in the antenna?

I also see sometimes ther 1/2 wave delay section made from 75 ohm coax.

reason? and what happens in that situation too?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/20/2014 9:10 AM, Myron WVØH s9plus@... [ham-antennas] wrote:
>
>
> Joe,
>
> Baluns like this are broad enough to cover the entire 20m band. They
> usually have 10% bandwidth maybe more if the losses are high.
>
> The transformation will still be 200 or so ohms at the band edges.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 20, 2014, at 7:49 AM, Joe nss@... <mailto:nss@...>
> [ham-antennas] <ham-antennas@yahoogroups.com
> <mailto:ham-antennas@yahoogroups.com>> wrote:
>
>> Here is a question, in the 4 to 1 balun as seen below.
>> Say it is made for 14.175 center of the band.
>>
>> Both the loop part and main feed part are electrical 1/4 waves etc.
>> The input end is 50 ohms as seen and output 200 ohms.
>>
>> Now what happens as you slide off freq? IE: at 14.000 or 14.350
>> with 50 ohms still at the input end what is happening at the otyher end?
>>
>> Joe WB9SBD

```
>> <balun2.jpg>
>>
>> --
>> Sig <CLEAN-IDLE-TYME-LOGO-200-50.jpg>
>> The Original Rolling Ball Clock
>> Idle Tyme
>> Idle-Tyme.com <http://Idle-Tyme.com>
>> http://www.idle-tyme.com
>
>
>
```

34455. Re: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 15:35:44 UTC
From: Kenneth G. Gordon
Topic: 34447 Message: 34455

On 20 Oct 2014 at 12:52, 'siegfried jackstien' siegfried.jackstien wrote:

> Ladderline fed doublet ...

Or inverted vee...

> works all bands and is just ONE wire in the air
>
> Dg9bfc
>
> Sigi

Agreed. Worked like a treat for me for many years.

Ken W7EKB

34456. Re: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 16:11:41 UTC
From: Joe
Topic: 28132 Message: 34456
Attachments: 2 described; binary payloads are missing from this source WARC

I understand what you are saying, That it shouldn't matter much. The thing is I like to "Know" what is happening no matter how small. Just so I understand it.

Just like a Diople on 28.400 Mhz that is perfectly 50 ohms because of length and height above the particular ground. at 28.350 it is still for all practical purposes still 50 ohms, AND FOR OPERATIONAL USE YOU PROBABLY WOULD NEVER KNOW THE DIFFERENCE,, but it is not really. it is now slightly capacitive reactive and different than 50 ohms also.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/20/2014 9:33 AM, Billy McFarland gm0obx@... [ham-antennas]
wrote:
>
>
> It changes as it is not an electrical 1/4 wave of that frequency. But
> if you a for the centre of the band it hopefully shouldn't be out by much
>
> 73 Billy GM0OBX
>
>
> ---
> *From: * Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * [ham-antennas] 4 to 1 balun
> *Sent: * Mon, Oct 20, 2014 1:49:21 PM
>
> Here is a question, in the 4 to 1 balun as seen below.
> Say it is made for 14.175 center of the band.
>
> Both the loop part and main feed part are electrical 1/4 waves etc.
> The input end is 50 ohms as seen and output 200 ohms.
>
> Now what happens as you slide off freq? IE: at 14.000 or 14.350
> with 50 ohms still at the input end what is happening at the otyher end?
>
> Joe WB9SBD
> alt
>

> --
>
>
>
>

34457. Re: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 16:25:00 UTC
From: Keith Heimbold
Topic: 34447 Message: 34457

Thanks for all the recommendations. I have a weird property that doesn't have any center supports for a dipole bigger than for 20m length thus my building of the 2 band fan dipole. I will be using QRP most likely for the time being at this rental property. The property is pretty long but not too deep.

I recently decided to go with mobile and portable options and traded my Acom 1000 for a complete mobile setup. I will be using a KX3 at the house and as my portable. I think with low power and the KX3 there are probably many options for end fed.

Any more suggestions would be great. Hope the additional info is helpful.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 20, 2014, at 8:35 AM, "'Kenneth G. Gordon' kgordon2006@frontier.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> On 20 Oct 2014 at 12:52, 'siegfried jackstien' siegfried.jackstien wrote:
>
> > Ladderline fed doublet ...
>
> Or inverted vee...
>
> > works all bands and is just ONE wire in the air
> >
> > Dg9bfc
> >
> > Sigi
>
> Agreed. Worked like a treat for me for many years.
>
> Ken W7EKB
>
>

34458. Re: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 16:39:18 UTC
From: Billy McFarland
Topic: 28132 Message: 34458

When your using this type of balun to change the impedance then the length matters for frequency as the varying the length changes the impedance so it won't be perfectly 50 ohms on certain frequencies. A dipoles feed point impedance is around 75 ohms anyway not 50. If you make a transformer balun using a toroid such as ft240-43 you can get almost 200 ohms across the full HF bands. That's why these are preferable. Remember the 4:1 balun is there only to match the impedance to as close to 50ohms as possible.

73 Billy GM0OBX

34459. Re: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 18:56:50 UTC
From: Joe
Topic: 28132 Message: 34459
Attachments: 1 described; binary payloads are missing from this source WARC

A dipole in free space is yes 75 ohms or so. but close to the ground
they are far more often 50 ohms than 75. Hence the reason I stated a
dipole that is 50 ohms because of length and height above the ground.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 10/20/2014 11:39 AM, Billy McFarland gm0obx@...
[ham-antennas] wrote:
>
>
> When your using this type of balun to change the impedance then the
> length matters for frequency as the varying the length changes the
> impedance so it won't be perfectly 50 ohms on certain frequencies. A
> dipoles feed point impedance is around 75 ohms anyway not 50. If you
> make a transformer balun using a toroid such as ft240-43 you can get
> almost 200 ohms across the full HF bands. That's why these are
> preferable. Remember the 4:1 balun is there only to match the
> impedance to as close to 50ohms as possible.
>
> 73 Billy GM0OBX
>
>
> ---
> *From: * Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com>;
> *To: * <ham-antennas@yahoogroups.com>;
> *Subject: * Re: [ham-antennas] 4 to 1 balun
> *Sent: * Mon, Oct 20, 2014 4:11:41 PM
>
> I understand what you are saying, That it shouldn't matter much. The
> thing is I like to "Know" what is happening no matter how small. Just
> so I understand it.
>
> Just like a Diople on 28.400 Mhz that is perfectly 50 ohms because of
> length and height above the particular ground. at 28.350 it is still
> for all practical purposes still 50 ohms, AND FOR OPERATIONAL USE YOU
> PROBABLY WOULD NEVER KNOW THE DIFFERENCE,, but it is not really. it
> is now slightly capacitive reactive and different than 50 ohms also.
>
> Joe WB9SBD
>

>
>
>

34460. AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 19:44:12 UTC
From: siegfried jackstien
Topic: 34447 Message: 34460

How long is long??? ...so how much room for wire(s)

What about ocfcld (off centre fed centre loaded dipole)

Maybe with an offset fed dipole (aka windom) you can erect one antenna for many bands ... also with just a single wire

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 20. Oktober 2014 16:25
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] End fed recommendations please
>
>
>
> Thanks for all the recommendations. I have a weird property that doesn't
> have any center supports for a dipole bigger than for 20m length thus my
> building of the 2 band fan dipole. I will be using QRP most likely for the
> time being at this rental property. The property is pretty long but not
> too deep.
>
> I recently decided to go with mobile and portable options and traded my
> Acom 1000 for a complete mobile setup. I will be using a KX3 at the house
> and as my portable. I think with low power and the KX3 there are probably
> many options for end fed.
>
> Any more suggestions would be great. Hope the additional info is helpful.
>
> Keith
> AK6ZZ
>
>
> Sent from my iPhone please excuse typos
>
> On Oct 20, 2014, at 8:35 AM, "'Kenneth G. Gordon' kgordon2006@...
> [ham-antennas]" <ham-antennas@...m> wrote:
>
>
>
>
>
> On 20 Oct 2014 at 12:52, 'siegfried jackstien' siegfried.jackstien

> wrote:
>
> > Ladderline fed doublet ...
>
> Or inverted vee...
>
> > works all bands and is just ONE wire in the air
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> > Dg9bfc
> >
> > Sigi
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> Agreed. Worked like a treat for me for many years.
>
> Ken W7EKB
>
>
>
>

34461. AW: [ham-antennas] 4 to 1 balun

Yahoo group: ham-antennas (2014)
Date: 2014-10-20 19:50:43 UTC
From: siegfried jackstien
Topic: 28132 Message: 34461

Or folded dipole (to get to your design)

That is 300 in free air but more 200-240 above ground (or when use as fed element in a yagi)

Moving away from the nominal frequency means 2 things ... youz move away from resonant pount of the antenna AND from the resonant point of your 1:4 line transformer

In what direction it then changes on the shack end is not easy to say cause that is influenced from both things ... the balun AND the antenna

Dg9bfc

Sigi

Ps ... wink wink ... still waiting for a ball clock ... grin

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 20. Oktober 2014 18:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] 4 to 1 balun
>
>
>
> A dipole in free space is yes 75 ohms or so. but close to the ground they
> are far more often 50 ohms than 75. Hence the reason I stated a dipole
> that is 50 ohms because of length and height above the ground.
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> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 10/20/2014 11:39 AM, Billy McFarland gm0obx@... [ham-antennas]
> wrote:
>
>
> When your using this type of balun to change the impedance then the length
> matters for frequency as the varying the length changes the impedance so
> it won't be perfectly 50 ohms on certain frequencies. A dipoles feed point
> impedance is around 75 ohms anyway not 50. If you make a transformer balun
> using a toroid such as ft240-43 you can get almost 200 ohms across the

> full HF bands. That's why these are preferable. Remember the 4:1 balun is
> there only to match the impedance to as close to 50ohms as possible.
>
> 73 Billy GM0OBX
>
> _____
>
> From: Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com>
> <mailto:ham-antennas@yahoogroups.com> ;
> To: <ham-antennas@yahoogroups.com> <mailto:ham-
> antennas@yahoogroups.com> ;
> Subject: Re: [ham-antennas] 4 to 1 balun
> Sent: Mon, Oct 20, 2014 4:11:41 PM
>
>
>
>
> I understand what you are saying, That it shouldn't matter much. The thing
> is I like to "Know" what is happening no matter how small. Just so I
> understand it.
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> Just like a Diople on 28.400 Mhz that is perfectly 50 ohms because of
> length and height above the particular ground. at 28.350 it is still for
> all practical purposes still 50 ohms, AND FOR OPERATIONAL USE YOU PROBABLY
> WOULD NEVER KNOW THE DIFFERENCE,, but it is not really. it is now
> slightly capacitive reactive and different than 50 ohms also.
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> Joe WB9SBD
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>
>

34462. Re: AW: [ham-antennas] WOM

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 00:36:55 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34399 Message: 34462

A good friend was one of the operators at that station. I'd never seen the antenna layout there, but he had described it in a way that totally blew my mind. They had distinct sites to connect to, so making a multitude of Yagi's was not out of the question. (And until Fidel got hold of Cuba, that was one of his 'regulars' ---) KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
From: "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, October 18, 2014 6:21 AM
Subject: AW: [ham-antennas] WOM

What a nice antenna farm ...

That would be a nice ham station :-) (multi op multi band contest location)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 18. Oktober 2014 00:22
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] WOM
>
>
>
> FYI, you folks might appreciate this map of the HF transmit antenna farm
> that AT&T operated for many years in Pennsuco, Florida, west of Miami, as
> WOM, one of its three High Seas ship-to-shore and island telephone service
> stations; WOM's corresponding receive site was in Plantation, near Fort
> Lauderdale. https://en.wikipedia.org/wiki/AT%26T_High_Seas_Service
>
> When it was decommissioned the transmission facility sported 38 log-
> periodics, rhombics and omni verticals over a half-square-mile of
> Everglades, each of which could handle 10kW from any of 20 or so mostly-
> Collins transmitters. I took a photo of the antenna map hanging on the
> wall, and its key, when WOM went dark in 1999.
>
> http://rightime.com/HF/P1030367aa.JPG
> http://rightime.com/HF/PennsucoList.pdf
>
> The center of the log-periodic circle is at 25°52'29.38" -80°28'45.98".
> Google Earth has several overhead views from 1994 to current, when, except
> for the still-standing microwave (and now FM) tower, everything has been
> reduced to "grade-level".

>
> Tom
>
>
>
>

Posted by: "siegfried jackstien" <siegfried.jackstien@...>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

ham-antennas-unsubscribe@yahoogroups.com

34463. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 05:04:34 UTC
From: Keith Heimbold
Topic: 34447 Message: 34463

It is approximately 100' wide property and my current temporary 20' high mast that is temporarily affixed to the house is about 20' from the property edge so I have another 80' to the farthest edge of the property.

The situation is pretty grim here for the hobby but I have probably more to work with than some. I was thinking am inverted L or possibly an odd shaped loop maybe too but it would be pretty low. I am guessing I could put up a rectangular shaped loop of about 200' of total wire.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 20, 2014, at 12:47 PM, "'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> How long is long??? ...so how much room for wire(s)
>
> What about ocfcld (off centre fed centre loaded dipole)
>
> Maybe with an offset fed dipole (aka windom) you can erect one antenna for
> many bands ... also with just a single wire
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Montag, 20. Oktober 2014 16:25
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] End fed recommendations please
> >
> >
> >
> > Thanks for all the recommendations. I have a weird property that doesn't
> > have any center supports for a dipole bigger than for 20m length thus my
> > building of the 2 band fan dipole. I will be using QRP most likely for the
> > time being at this rental property. The property is pretty long but not
> > too deep.
> >
> > I recently decided to go with mobile and portable options and traded my
> > Acom 1000 for a complete mobile setup. I will be using a KX3 at the house
> > and as my portable. I think with low power and the KX3 there are probably
> > many options for end fed.

> >
> > Any more suggestions would be great. Hope the additional info is helpful.
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> > Keith
> > AK6ZZ
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> > Sent from my iPhone please excuse typos
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> > On Oct 20, 2014, at 8:35 AM, "'Kenneth G. Gordon' kgordon2006@frontier.com
> > [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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> > On 20 Oct 2014 at 12:52, 'siegfried jackstien' siegfried.jackstien
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> > > Ladderline fed doublet ...
> >
> > Or inverted vee...
> >
> > > works all bands and is just ONE wire in the air
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> > > Dg9bfc
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> > > Sigi
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> > Agreed. Worked like a treat for me for many years.
> >
> > Ken W7EKB
> >
> >
> >
> >
>
>

34464. AW: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 07:47:31 UTC
From: siegfried jackstien
Topic: 34447 Message: 34464

Your loop can be rectangular ... or any other shape ... even zig zagging of one or two sides does not hurt (maybe you can have some more wire to make it resonant on 80???)

If not ... then I would erect a doublet/dipole with ladderline

Works ALL bands and does not need to be a special length ...

Just as high and as long as possible

So ... if you prefer the lower bands then as long as possible and as high as possible ... with ANY shape

I have a friend who works on topband ... with 2 times 15m only!!! (but a BIG homebrewed tuner and very wide spaced ladderline)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 21. Oktober 2014 05:05
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] End fed recommendations please
>
>
>
> It is approximately 100' wide property and my current temporary 20' high
> mast that is temporarily affixed to the house is about 20' from the
> property edge so I have another 80' to the farthest edge of the property.
>
> The situation is pretty grim here for the hobby but I have probably more
> to work with than some. I was thinking am inverted L or possibly an odd
> shaped loop maybe too but it would be pretty low. I am guessing I could
> put up a rectangular shaped loop of about 200' of total wire.
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> Keith
> AK6ZZ
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> Sent from my iPhone please excuse typos
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> On Oct 20, 2014, at 12:47 PM, "'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas]" <ham-
> antennas@yahoogroups.com> wrote:
>
>

>
>
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> How long is long??? ...so how much room for wire(s)
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> What about ocfcld (off centre fed centre loaded dipole)
>
> Maybe with an offset fed dipole (aka windom) you can erect one
> antenna for
> many bands ... also with just a single wire
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> > Gesendet: Montag, 20. Oktober 2014 16:25
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] End fed recommendations please
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> >
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> > I recently decided to go with mobile and portable options and
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> the house
> > and as my portable. I think with low power and the KX3 there are
> probably
> > many options for end fed.
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> helpful.
> >
> > Keith
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> > On Oct 20, 2014, at 8:35 AM, "'Kenneth G. Gordon'
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> > [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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> > Agreed. Worked like a treat for me for many years.
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> > Ken W7EKB
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>

34465. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 08:01:49 UTC
From: Jeffrey Lord
Topic: 34447 Message: 34465

I have a yard 36ft x 45 ft and I have a 150 ft loop
I am 20 miles north of Brisbane Queensland Australia
This antenna is reaching to Seattle and Oregon in the USA with 10 watts
Try it and see
Cheers
Jeff
Vk4fnrs

Sent from my iPhone

34466. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 12:25:22 UTC
From: Keith Heimbold
Topic: 34447 Message: 34466

Ok I landed on the loop. I will put up a 200' plus loop. I will be using this with my KX3 and its internal tuner.

Thanks for the encouragement. I did build the two band fan dipole and homebrew 10m cobweb which I will also use. Antenna farm for this QTH will be complete.

Selling the gap eagle which is in my yard and taking up too much space on the patio. It is in the way and my two year old son will get hurt if it lands on him.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 21, 2014, at 1:02 AM, "Jeffrey Lord jc_2aussie@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I have a yard 36ft x 45 ft and I have a 150 ft loop
> I am 20 miles north of Brisbane Queensland Australia
> This antenna is reaching to Seattle and Oregon in the USA with 10 watts
> Try it and see
> Cheers
> Jeff
> Vk4fnrs
>
> Sent from my iPhone
>

34467. Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 13:11:29 UTC
From: soorajshenoys@...
Topic: 34467 Message: 34467

Hi all,
First of all apology if its a silly question ... But i would just like to check the possibility if it could be done... and my question is ... Is it possible to stack a slimjim antenna and a yagi antenna tuned to same frequency (approximately) on 2M band so as to avoid two dedicated feeder lines and use single feeder line instead...? Comments and suggestions are most welcome...

Thanks

34468. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 13:34:10 UTC
From: Myron WVØH
Topic: 34467 Message: 34468

Hello,

Yes, quite easily with a reactive power divider/combiner/Q-line/Q-section/whatever other name.

A quarter wave length section of 35 Ω matching 50 to 25 ohms.

http://www.dxengineering.com/search/product-line/m2-antennas-power-dividers/power-divider-frequency-coverage/144-148-mhz

Myron WVØH
Printed on Recycled Data

> On Oct 21, 2014, at 7:11 AM, soorajshenoys@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Hi all,
>
> First of all apology if its a silly question ... But i would just like to check the possibility if it could be done... and my question is ... Is it possible to stack a slimjim antenna and a yagi antenna tuned to same frequency (approximately) on 2M band so as to avoid two dedicated feeder lines and use single feeder line instead...? Comments and suggestions are most welcome...
>
>
>
> Thanks
>
>

34469. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 13:45:48 UTC
From: Adrian Flynn
Topic: 34467 Message: 34469

Got anything on how to build one?
I don't have gold lined pockets.

72/73
Adrian KF7DYU

On Tue, Oct 21, 2014 at 9:34 AM, Myron WVØH s9plus@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> Hello,
>
> Yes, quite easily with a reactive power
> divider/combiner/Q-line/Q-section/whatever other name.
>
> A quarter wave length section of 35 Ω matching 50 to 25 ohms.
>
>
> http://www.dxengineering.com/search/product-line/m2-antennas-power-dividers/power-divider-frequency-coverage/144-148-mhz
>
> Myron WVØH
> Printed on Recycled Data
>
> On Oct 21, 2014, at 7:11 AM, soorajshenoys@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
>
>
> Hi all,
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> First of all apology if its a silly question ... But i would just
> like to check the possibility if it could be done... and my question is ...
> Is it possible to stack a slimjim antenna and a yagi antenna tuned to same
> frequency (approximately) on 2M band so as to avoid two dedicated feeder
> lines and use single feeder line instead...? Comments and suggestions are
> most welcome...
>
>
> Thanks
>
>
>

34470. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 14:51:20 UTC
From: Ken
Topic: 34447 Message: 34470

On Oct 21, 2014, at 1:04 AM, Keith Heimbold ag6az@... [ham-antennas] wrote:

> The situation is pretty grim here for the hobby but I have probably more to work with than some. I was thinking am inverted L or possibly an odd shaped loop maybe too but it would be pretty low. I am guessing I could put up a rectangular shaped loop of about 200' of total wire.
>

You have a LOT more to work with than many. I've worked ops whose only option was inside their attic or a flagpole outside. Yet they did well. Actually I did pretty good for several years with only a 80m inverted vee up 20' at the center and head high at the ends. I used that on all the bands 160 through 6 (open wire feed and a tuner.) That's all I used for several years even though I have over 100 acres of land here!

Of course you won't compete with the big DX guns but if you choose your band and mode well, you can operate perfectly well with the limitations you have.

This past August, I worked Texas on 160, using that 80m inverted vee. That's 1000 miles on 160 with ten watts with a (according to the book) horrible antenna.

Of course, working the low power digital modes helps.

73, Ken
WA8JXM

34471. Re: AW: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 14:59:41 UTC
From: Ken
Topic: 34447 Message: 34471

On Oct 21, 2014, at 3:47 AM, 'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas] wrote:

> So ... if you prefer the lower bands then as long as possible and as high as
> possible ... with ANY shape

Sigi, I am going to challenge that. Yes, I know it's the classic answer to all antenna questions :) BUT, it should not discourage people from using what they can.

Especially if one is happy operating over shorter distances, a high antenna may underperform a lower one. For 160-80-60-40m shorter range work (under 1000 miles), a lower NVIS antenna may provide better results than something up 50 or 80 or 100 feet.

I had great fun in my novice days with a 80/40 fan dipole 18' high and with the ends bent sharply back to fit in our small lot.

I think there is too much emphasis on the big antennas that discourages many hams from even trying.

And, of course, when 15 and 10 are open, all it takes is 16 or 22' of space at 20' of height to have an excellent antenna.

73,
Ken WA8JXM

34472. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 15:04:53 UTC
From: soona4sail@...
Topic: 34447 Message: 34472

You will be pleasantly surprised with the operation of your loop, especially on the higher bands. I have used loops for more than 20 yrs. As to shape, or layout, your objective is to simply to get as much area INSIDE the loop as possible. The link below, is the best website I have found on loops and their construction. No nonsense, with straightforward instructions.

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm

http://www.k5rcd.org/hor%20loop%20instruct.htm

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm
HORIZONTAL LOOP ANTENNA CONSTRUCTION The Horizontal Loop, also known as the Loop Skywire Antenna, is an old but very effective design.

View on www.k5rcd.org http://www.k5rcd.org/hor%20loop%20instruct.htm
Preview by Yahoo

Good luck...and you will work lots of DX with it!

73 John

34473. Re: AW: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 15:27:45 UTC
From: Ken
Topic: 34447 Message: 34473

On Oct 21, 2014, at 8:25 AM, Keith Heimbold ag6az@... [ham-antennas] wrote:

> Ok I landed on the loop. I will put up a 200' plus loop. I will be using this with my KX3 and its internal tuner.

The Elecraft tuners are excellent! I wish they packaged one as a remote tuner. In my experience, the K3 internal tuner does a better job than most auto tuners on the market.

Ken WA8JXM

34474. AW: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 16:09:32 UTC
From: siegfried jackstien
Topic: 34467 Message: 34474

What about using the slim jim as fed element in the yagi???

Dg9bfc

Sigi

make a stacked slim jim with stacked yagi elements for more gain

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 21. Oktober 2014 13:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Stacking slimjim and yagi
>
>
>
> Hi all,
>
> First of all apology if its a silly question ... But i would just
> like to check the possibility if it could be done... and my question is
> ... Is it possible to stack a slimjim antenna and a yagi antenna tuned to
> same frequency (approximately) on 2M band so as to avoid two dedicated
> feeder lines and use single feeder line instead...? Comments and
> suggestions are most welcome...
>
>
>
>
> Thanks
>
>

34475. Re: Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 17:00:53 UTC
From: soorajshenoys@...
Topic: 34467 Message: 34475

Hi,

Thanks for the reply's,
@ Myron - That link you provided gave me some idea, but one of my doubts is still uncleared the link says they are used for stacking antennas of same type (what i understood from reading) , phased ,spaced and of course the Yagi's... But my actual doubt or question i must asked was the feasibility to stack different type of antenna in my case slim jim and yagi...

@ Adrian: Agreed.. :)

@Sigi: Actually i have my very first home brewed slimjim which i never want off air and got new yagi beam both which i want to operate with single feeder (if possible) .. anyway your idea is great...

Thanks

34476. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 18:49:05 UTC
From: KA4INM radio
Topic: 34467 Message: 34476

On 10/21/14 09:11, soorajshenoys@... wrote:

> First of all apology if its a silly question ... But i would just
> like to check the possibility if it could be done... and my question is
> ... Is it possible to stack a slimjim antenna and a yagi antenna tuned
> to same frequency (approximately) on 2M band so as to avoid two
> dedicated feeder lines and use single feeder line instead...? Comments
> and suggestions are most welcome...

Do you want to use the vertical OR the Yagi antenna? (or)
Do you want to split your transmit power between (and receive signals
from) the vertical and Horizontal antenna at the same time?
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34477. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 20:10:32 UTC
From: soorajshenoys@...
Topic: 34467 Message: 34477

Hi Ron,
>Do you want to use the vertical OR the Yagi antenna? (or)

>Do you want to split your transmit power between (and receive signals
>from) the vertical and Horizontal antenna at the same time?

Yes, the concept is to stack and use both antennas at same time with single feeder line (coaxial cable)... Also both slim jim and yagi in my case are vertically polarized,,, any suggestions and comments most welcome...

Thanks

34478. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 21:12:18 UTC
From: Alex Netherton
Topic: 34467 Message: 34478

Stacking both antennas is trying to do two things half way; neither is going to do what you want. A Slim Jim is built to be a vertical low angle radiator, and does well at that. It is for hitting as many repeaters as possible in a calling area without worrying with a rotator. Mount one on the eave of your roof inside a PVC pipe, and you have one of the best repeater antennas out there, with almost 3 dB gain over a 1/4 wave, and a low angle of radiation.

A beam is for pulling in a weak signal and concentrating your transmit power into the smallest area and shooting it out to get a far away station. Many beams get as much as 10 dB of gain! Beams are for talking to a faraway station, often on SSB with meteor scatter, tropospheric ducting, or sporadic E. You can use it to talk to a faraway repeater too, if you want. When you link the two, neither gets all the power, and both have degraded performance. If you are going for distant repeaters, go vertical; if going for other stuff (ssb) go horizontal.

I would suggest feeding them separately, and using a simple switch box.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call W5ALX (Vanity Call)

On Tue, Oct 21, 2014 at 4:10 PM, soorajshenoys@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Ron,
>
> >Do you want to use the vertical OR the Yagi antenna? (or)
> >Do you want to split your transmit power between (and receive signals
> >from) the vertical and Horizontal antenna at the same time?
>
>
> Yes, the concept is to stack and use both antennas at same time with
> single feeder line (coaxial cable)... Also both slim jim and yagi in my
> case are vertically polarized,,, any suggestions and comments most
> welcome...
>
>
> Thanks
>

>
>
>

34479. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 22:03:16 UTC
From: Andy
Topic: 34467 Message: 34479

"Stacking both antennas is trying to do two things half way;"

It can be worse than that. Radiation from the two can interfere with one another and cancel in some directions. Might be worse than either antenna alone.

I don't understand why you would want to even try both antennas at the same time. What is your objective?

Andy

34481. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 23:29:20 UTC
From: Kenneth G. Gordon
Topic: 34467 Message: 34481

On 21 Oct 2014 at 18:03, Andy ai.egrps@... [ham-antennas] wrote:

> I don't understand why you would want to even try both antennas at the same
> time. What is your objective?

He probably wants to be able to use only one feedline.

Ken W7EKB

34482. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-21 23:47:11 UTC
From: Robert Cavanaugh
Topic: 34467 Message: 34482

If that is the case,
What about a diplexer and keeping the antennas separated?

73,
Bob Cavanaugh - AG6YK

On Tuesday, October 21, 2014 4:29 PM, "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

On 21 Oct 2014 at 18:03, Andy ai.egrps@gmail.com [ham-antennas] wrote:

> I don't understand why you would want to even try both antennas at the same
> time. What is your objective?

He probably wants to be able to use only one feedline.

Ken W7EKB

34483. Re: [ham-antennas] End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 00:16:14 UTC
From: Geoff McAlpin
Topic: 34447 Message: 34483

When I first started on HF i was using a 3-turn attic delta loop fed with my sgc239. I worked southern Argentina and New Caledonia on it. If I remember correctly, each side was only about 3 feet in length so, yes, it can be done.

On Tuesday, October 21, 2014, Ken wa8jxm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> On Oct 21, 2014, at 1:04 AM, Keith Heimbold ag6az@...
> <javascript:_e(%7B%7D,'cvml','ag6az@hotmail.com');> [ham-antennas] wrote:
>
> The situation is pretty grim here for the hobby but I have probably more
> to work with than some. I was thinking am inverted L or possibly an odd
> shaped loop maybe too but it would be pretty low. I am guessing I could put
> up a rectangular shaped loop of about 200' of total wire.
>
>
>
> You have a LOT more to work with than many. I've worked ops whose only
> option was inside their attic or a flagpole outside. Yet they did well.
> Actually I did pretty good for several years with only a 80m inverted vee
> up 20' at the center and head high at the ends. I used that on all the
> bands 160 through 6 (open wire feed and a tuner.) That's all I used for
> several years even though I have over 100 acres of land here!
>
> Of course you won't compete with the big DX guns but if you choose your
> band and mode well, you can operate perfectly well with the limitations you
> have.
>
> This past August, I worked Texas on 160, using that 80m inverted vee.
> That's 1000 miles on 160 with ten watts with a (according to the book)
> horrible antenna.
>
> Of course, working the low power digital modes helps.
>
> 73, Ken
> WA8JXM
>
>
>

--
Geoff, NM7V

Seattle, WA
CN87tr

34488. New Hex Beam

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 05:37:01 UTC
From: jmcd904@...
Topic: 34488 Message: 34488

There is a new Hex Beam out please check it out good friend of mine
http://www.shop.radiowavz.com/Sentinel-Hex-Beam-Antenna_c21.htm
http://www.shop.radiowavz.com/Sentinel-Hex-Beam-Antenna_c21.htm

34489. Re: Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 10:12:39 UTC
From: soorajshenoys@...
Topic: 34467 Message: 34489

My intention to choose stacking was to avoid separate dedicated feeder lines for both the antennas... not only that but also considering the fact that my beam is able to communicate with distant repeaters but not with local stations on simplex and the same can be perfectly done using my slim jim...

Considering the worst case scenario as explained i think its better to feed it with separate cables... Also i would like to know what will be effect it will put if i use a diplexer or a directional coupler ...?

34490. Re: End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 11:06:27 UTC
From: m6mrp@...
Topic: 34447 Message: 34490

Unlike Geoff I am just starting out on HF although have been on radio (free band) and a SWL for many years, at my last qth my options were very limited due to very little outside space and only wall mounting antennas and an inverted V from the VHF antenna pole on the roof however I did try a couple of EF antennas both purchased (waste of money!) and home brew at our caravan in the Northumberland hills here in the UK, my findings were that the purchased one using a 9:1 unun was problematic with tuning and caused problems with our local caravan and farm neighbors TVs and phones and the ones I built with guidance from more experienced ops using an air spaced variable capacitor and a coil worked much better with no reported interference, I once used a 30ft EF wire hanging from a tree limb vertical and tuned in the same way with the coax choked off with a toriod at about the same distance and was heard in Canada through a pileup with 5w from my little FT817nd.
I have since moved QTH again due to the xyl,s employment and now have no outside space at all being in an upper flat but have a giant of a loft space to play with, up in the loft I have my home brew 5/8 wave vhf vertical hanging from the inner ridge which does very well and after many many trials of different wire loft antennas I settled for a large vertical corner fed single wire delta loop which works from 80m (just) to 6m and does very well from 20m through to 10m, I tried it with twin feed to the tuner and with coax to a balun at the feedpoint but now use it with direct feed coax and the tuner for the best results? this works much better than the bigger horizontal rectangular wire loop I tried in the same loft space?
Even a limited antenna is better than no antenna at all.
Good Luck with the EF
Phil M6MRP

34491. Re: ?? Re: [ham-antennas] [FWD: The $50 Lesson]

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 10:07:43 UTC
From: bge1946@...
Topic: 34480 Message: 34491

My sincere apology to the group as a whole. A joke from a friend was inadvertently directed to this post from me. This must have happened by automatic feature in Outlook. I am trying to remove the post but wanted apologize up front for the mistake on my part.

34492. Impedance matching

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 13:17:56 UTC
From: jonsylv@...
Topic: 34492 Message: 34492

Hi I'm new to this forum so am hoping you'll be able to advise me.

I want to drive 3 x 50ohm driven elements at the same time from my 50ohm coax feeder.

Sorry if this is a bit confusing but I hope you can make sense of it.

I have a 1/4 wave length (allowing for the velocity factor) of 75ohm coax from each of the driven elements creating 3 x coax ends each at 100ohms.

Two of these coax ends from ele 1 & ele 2 are then connected together to create a 50ohm end. Then a further 1/4 wave length is used to create a 100ohm end, this coax together with the end of the 3rd 1/4 wave length coming from the 3rd driven element is then connected to the main 50ohm feeder ..... Omg I hope you can follow that.

This should present a impedance match of 50ohm to the main feeder.

My question is will the there antennas be in phase? Since ele 1 & ele 2 two will be fed by a longer length of coax than the 3rd ele? will this be a problem? will it change the radiation pattern?

or is there a better way to feed 3 x 50 ohm ants with a single 50 ohm coax.
Thanks John G8HUY

34493. Re: [ham-antennas] Impedance matching

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 14:14:43 UTC
From: Myron WVØH
Topic: 34492 Message: 34493

Hi John,

Yes, having some trouble following. First off, what are the driven elements? Driven elements of a Yagi, vertical, horizontal dipole, monopole? Do you know the exact impedance of each element?

Here are some things to keep in mind. Anytime you feed more than one element regardless of impedance, there has to be consideration for phase delay or propagation delay in each connected line after the split. If one line is longer than the others, a phase change will occur. If you keep all lines equal length but space the antennas by 1/4 or 1/2 wavelength, a phase change will occur in the farfield of the radiated pattern and create peaks and nulls. You create an offset by changing line lengths to create in phase and out of phase radiation, (broadside or end fire radiation or a change in direction nonetheless).

Then it comes down to impedance matching and how those elements will interact. There are self impedance and mutual impedance considerations that complicate the actual impedances we are dealing with here.

A picture here is worth a thousand words to help you out.

Myron WVØH
Printed on Recycled Data

> On Oct 22, 2014, at 7:17 AM, jonsylv@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Hi I'm new to this forum so am hoping you'll be able to advise me.
>
>
>
> I want to drive 3 x 50ohm driven elements at the same time from my 50ohm coax feeder.
>
>
>
> Sorry if this is a bit confusing but I hope you can make sense of it.
>
>
>
> I have a 1/4 wave length (allowing for the velocity factor) of 75ohm coax from each of the driven elements creating 3 x coax ends each at 100ohms.
>
>
>
> Two of these coax ends from ele 1 & ele 2 are then connected together to create a 50ohm end. Then a further 1/4 wave length is used to create a 100ohm end, this coax together with the end of the 3rd 1/4 wave length coming from the 3rd driven element is then connected to

the main 50ohm feeder ..... Omg I hope you can follow that.
>
>
>
> This should present a impedance match of 50ohm to the main feeder.
>
>
>
> My question is will the there antennas be in phase? Since ele 1 & ele 2 two will be fed by a longer length of coax than the 3rd ele? will this be a problem? will it change the radiation pattern?
>
>
>
> or is there a better way to feed 3 x 50 ohm ants with a single 50 ohm coax.
>
> Thanks John G8HUY
>
>
>
>

34494. Re: ?? Re: [ham-antennas] [FWD: The $50 Lesson]

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 16:26:27 UTC
From: Frank H
Topic: 34494 Message: 34494

40 foot above the girl I hope

On 22 October 2014 00:28, Al Bonnyman aabonnyman@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

>
>
> Where's the antenna?
>
> > On Oct 21, 2014, at 18:36, Gregg bge1946@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
> >
> >
> >
> >
> > Sent on a Sprint Samsung Galaxy Note(R) 3
> >
> >
> > -------- Original message --------
> > From: "Linda L. Ervin, GRI, ABR, ePro"
> > Date:10/21/2014 12:17 PM (GMT-06:00)
> > To: Ernest Runge ,Chris Ervin ,Gregg
> > Subject: [FWD: The $50 Lesson]
> >
> >
> >
> >
> >
> >
> >
> >
> >
> > Subject: THE $50.00 LESSON
> >
> >
> >
> > While I was working in the flower beds in the front yard, my neighbors
> > stopped to chat as they returned home from walking their dog. During
> > our friendly conversation, I asked their little girl what she wanted
> > to be when she grew up. She said she wanted to be President some day.
> >
> >
> >
> > Both of her parents, Democratic Party members were standing there, so
> > I asked her, "If you were President what would be the first thing you

> > would do?"
> >
> >
> >
> > She replied... "I'd give food and houses to all the homeless people."
> >
> >
> >
> > Her parents beamed with pride! "Wow...what a worthy goal!" I said.
> > "But you don't have to wait until you're President to do that!" I told
> > her.
> >
> >
> >
> > "What do you mean?" she replied.
> >
> >
> >
> > So I told her, "You can come over to my house and mow the lawn, pull
> > weeds, and trim my hedge, and I'll pay you $50. Then you can go over
> > to the grocery store where the homeless guy hangs out, and you can
> > give him the $50 to use toward food and a new house."
> >
> >
> >
> > She thought that over for a few seconds, then she looked me straight
> > in the eye and asked, "Why doesn't the homeless guy come over and do
> > the work, and you can just pay him the $50?"
> >
> >
> >
> > I said, "Welcome to the Republican Party."
> >
> > Her parents aren't speaking to me anymore.
> >
> >
> >
> > Feel free to share this with your friends, neighbors, or
> > relatives....it may be worth $50 to you!!
> >
> >
> >
>
>
>

34495. RE: [ham-antennas] Re: End fed recommendations please

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 16:30:46 UTC
From: Billy McFarland
Topic: 34447 Message: 34495

I've used and do use a end fed with great success. Recently working 4w/g3zem and vk9dlx all on 100w and an endfed. The key with the endfed is getting a good earth. I use a counterpoise and peg it into the ground with approx 20m radiator. A 9:1 unun is used and then to the tuner. I've never had any RFI issues

73 Billy GM0OBX

34496. Re: [ham-antennas] Impedance matching

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 16:59:12 UTC
From: Original Woodchuck
Topic: 34492 Message: 34496

On Wed, Oct 22, 2014 at 06:17:56AM -0700, jonsylv@... [ham-antennas] wrote:
> Hi I'm new to this forum so am hoping you'll be able to advise me.
>
>
> I want to drive 3 x 50ohm driven elements at the same time from my 50ohm coax feeder.
>
>
> Sorry if this is a bit confusing but I hope you can make sense of it.

That's OK, my answer is probably wrong anyway.

> I have a 1/4 wave length (allowing for the velocity factor) of 75ohm coax from each of the driven elements creating 3 x coax ends each at 100ohms.
>
>
> Two of these coax ends from ele 1 & ele 2 are then connected together to create a 50ohm end. Then a further 1/4 wave length is used to create a 100ohm end, this coax together with the end of the 3rd 1/4 wave length coming from the 3rd driven element is then connected to the main 50ohm feeder ..... Omg I hope you can follow that.

In the ancient days, when fierce mammoths stomped about on the raised floors of ice-cold computer rooms, the character "." was the same width as "-", "|", and all others, and men drew things with them. I can still do it, but I know no one would know what I meant because some "helpful" computer would make it "pretty". I don't know how to turn that off in *your* computer from *here*, without risking jail, anyway. (It's off in mine, but this computer is Late Bronze Age, and is not part of a telephone, toaster or wristwatch.) I could also make a drawing and embed (not "attach") it in the message with uuencode, but only other cavedwellers would understand. So we will try it in words. Let A, B and C be the antennas. Lower case letters will denote junctions.

A connects to point 'a' with 1/4wave75ohm coax.
B connects to point 'b' with 1/4wave75ohm coax.
Point 'a' connects to point 'b'. They are the same point.
Point 'a' connects to point 'c' with 1/4wave75ohm coax.
C connects to point 'c' with 1/4wave75ohm coax.
Point 'c' connects to a transceiver with an unknown length of 50 ohm coax.

OK. A and B are both 1/2wave from point 'c'. C is 1/4wave from point 'c'.

Therefore, C leads A (or B) by 90 degrees. Bzzzt, not in phase.

What you haven't worried about but should: power.

If the transceiver delivers 100 W to point 'c', and each branch from point 'c' has 50ohm impedance, 50W will go on one branch (to point a/b), and

50W will go to Antenna C. So C will receive twice the juice of A or B.

>
> This should present a impedance match of 50ohm to the main feeder.

This may be so. (I agree that 1/4 wave of 75ohm line transforms 50 to 100 ohms).

> My question is will the there antennas be in phase? Since ele 1 & ele 2 two will be fed by a longer length of coax than the 3rd ele? will this be a problem? will it change the radiation pattern?

Depends how A, B, and C are arranged and what they are. Don't be shy.
Stacked Yagis? A 3 element vertical dipole array? Something else? Just
guessing, here.

Keep in mind the "gotcha", if A and B are to be 1/2 wave apart, then two
1/4 wave lines won't meet, due to the velocity factor of the lines. But
a 1/4 and a 3/4 will -- but will shift phase 180 degrees.

> or is there a better way to feed 3 x 50 ohm ants with a single 50 ohm coax.

There are many ways to skin a cat.

> Thanks John G8HUY

Dave AB3NR "An error a day keeps the gods at bay."

34497. AW: [ham-antennas] Impedance matching

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 17:13:46 UTC
From: siegfried jackstien
Topic: 34492 Message: 34497

And what he also forget is mutual coupling between the antennas (and so no 50 ohms on feeding point)

As an example in a four square the mutual coupling can be so strong that the back element does not take power but delivers backwards power to the feeding network (and impedance becomes negative)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Mittwoch, 22. Oktober 2014 16:59
> An: jonsylv@... [ham-antennas]
> Betreff: Re: [ham-antennas] Impedance matching
>
>
>
> On Wed, Oct 22, 2014 at 06:17:56AM -0700, jonsylv@... [ham-
> antennas] wrote:
> > Hi I'm new to this forum so am hoping you'll be able to advise me.
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> >
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> feeder ..... Omg I hope you can follow that.
>
> In the ancient days, when fierce mammoths stomped about on the raised
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> still do it, but I know no one would know what I meant because some
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> (It's off in mine, but this computer is Late Bronze Age, and is not part
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>
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> Point 'a' connects to point 'b'. They are the same point.
> Point 'a' connects to point 'c' with 1/4wave75ohm coax.
> C connects to point 'c' with 1/4wave75ohm coax.
> Point 'c' connects to a transceiver with an unknown length of 50 ohm coax.
>
> OK. A and B are both 1/2wave from point 'c'. C is 1/4wave from point 'c'.
>
> Therefore, C leads A (or B) by 90 degrees. Bzzzt, not in phase.
>
> What you haven't worried about but should: power.
>
> If the transceiver delivers 100 W to point 'c', and each branch from point
> 'c' has 50ohm impedance, 50W will go on one branch (to point a/b), and
> 50W will go to Antenna C. So C will receive twice the juice of A or B.
>
> >
> > This should present a impedance match of 50ohm to the main feeder.
>
> This may be so. (I agree that 1/4 wave of 75ohm line transforms 50 to 100
> ohms).
>
> > My question is will the there antennas be in phase? Since ele 1 & ele 2
> two will be fed by a longer length of coax than the 3rd ele? will this be
> a problem? will it change the radiation pattern?
>
> Depends how A, B, and C are arranged and what they are. Don't be shy.
> Stacked Yagis? A 3 element vertical dipole array? Something else? Just
> guessing, here.
>
> Keep in mind the "gotcha", if A and B are to be 1/2 wave apart, then two
> 1/4 wave lines won't meet, due to the velocity factor of the lines. But
> a 1/4 and a 3/4 will -- but will shift phase 180 degrees.
>
> > or is there a better way to feed 3 x 50 ohm ants with a single 50 ohm
> coax.
>
> There are many ways to skin a cat.
>
> > Thanks John G8HUY

>
> Dave AB3NR "An error a day keeps the gods at bay."
>
>
>

34498. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 17:27:11 UTC
From: Andy
Topic: 34467 Message: 34498

"> I don't understand why you would want to even try both antennas at
the same
> time. What is your objective?

"He probably wants to be able to use only one feedline."

Well, yes ... but why does he want to drive both antennas simultaneously?
Why want BOTH non-directional and directional patterns at the same time?
What does that accomplish for him?

Many people use a Yagi to reject signals from other directions, but clearly
that can't be the case here. Others use a Yagi to get increased gain and
better signal penetration in one particular direction, but by combining
antennas, he will lose at least half his power right off the bat.

It seems to me that his objectives might be rather confused.

Perhaps he owns these two antennas already, and all he wants to do is make
use of them both and not have one of them unused, as if it would wear out
if it doesn't get used.

Andy

34499. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 17:28:56 UTC
From: Andy
Topic: 34467 Message: 34499

"What about a diplexer and keeping the antennas separated?"

Diplexer means different frequencies, but I believe he said they are both for the same frequencies.

Andy

34500. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 18:19:38 UTC
From: Kenneth G. Gordon
Topic: 34467 Message: 34500

On 22 Oct 2014 at 13:27, Andy ai.egrps@... [ham-antennas] wrote:

> It seems to me that his objectives might be rather confused.

Oh, I completely agree!

Maybe he will chime in here to explain. Personally, I think it is a bad idea.

Ken W7EKB

34501. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 20:45:20 UTC
From: Robert Cavanaugh
Topic: 34467 Message: 34501

Then the only motive I can see is trying to generate a circularly-polarized signal, which of course will not work with this schema. If you want to generate a signal with both vertical and horizontal polarization look at some of the designs used in satellite communications. In most cases these require a phasing network so that the horizontal signal is out of phase with the vertical to reduce interference.

73,
Bob Cavanaugh - AG6YK

On Wednesday, October 22, 2014 1:16 PM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

"What about a diplexer and keeping the antennas separated?"

Diplexer means different frequencies, but I believe he said they are both for the same frequencies.

Andy

34502. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 20:51:28 UTC
From: Matthew King
Topic: 34467 Message: 34502

I'm thinking that he has two 2m antennas that he wants to feed with just
one feedline and be able to use whichever one he wants whenever he wants,
not both simultaneously....

Just my .02

Matt King
KK4CPS

On Wed, Oct 22, 2014 at 4:45 PM, Robert Cavanaugh osianfion@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Then the only motive I can see is trying to generate a
> circularly-polarized signal, which of course will not work with this
> schema. If you want to generate a signal with both vertical and horizontal
> polarization look at some of the designs used in satellite communications.
> In most cases these require a phasing network so that the horizontal signal
> is out of phase with the vertical to reduce interference.
>
> 73,
> Bob Cavanaugh - AG6YK
>
>
> On Wednesday, October 22, 2014 1:16 PM, "Andy ai.egrps@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> "What about a diplexer and keeping the antennas separated?"
>
> Diplexer means different frequencies, but I believe he said they are both
> for the same frequencies.
>
> Andy
>
>
>
>
>
>

34503. Re: [ham-antennas] Stacking slimjim and yagi

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 21:07:48 UTC
From: Andy
Topic: 34467 Message: 34503

"Then the only motive I can see is trying to generate a circularly-polarized signal,"

Both antennas are vertically polarized.

"... be able to use whichever one he wants whenever he wants, not both simultaneously...."

He said he wants (wanted) to use both simultaneously.

In reality, he probably doesn't need to, but it would require another feedline, or more equipment (i.e., a coaxial relay).

In his last reply, I think he explained that he wants to get the best of both worlds ... both an omnidirectional signal (for local coverage) and the Yagi's gain (for more distant stations), at the same time without having to switch anything.

'soorajshenoys', you might consider something like a collinear antenna array, which is non-directional (in the horizontal plane) and has some gain at the same time, in all directions.

Andy

34504. RE: ?? Re: [ham-antennas] [FWD: The $50 Lesson]

Yahoo group: ham-antennas (2014)
Date: 2014-10-22 23:42:45 UTC
From: Gary H. Harmon, Jr.
Topic: 34494 Message: 34504

The thread is dead.

Gary H. Harmon, Jr. - K5JWK

List Moderator

34505. Re: Impedance matching

Yahoo group: ham-antennas (2014)
Date: 2014-10-23 07:53:44 UTC
From: jonsylv@...
Topic: 34492 Message: 34505

Thanks guys .... I now know it wont work as it is thanks to your replies.

I have created a ENEC design that shows a very good gain using just five horizontal 1/2 wave elements positioned almost one above the other. I do a lot of camping in my RV and need a simple but useful antenna for both 2m and 6m.
The design as it is, requires 3 of the elements to be driven as simple dipoles.
How ever since your replies have idicated that my concerns about phasing were valid I have made changes so that a balanced harness can be constructed.
Thank you for your help. I will shortly be carrying out some field trials and then once proven plan to release the design via the RSGB.

34506. Five Favorite Backyard HF Antennas by L.B.Cebik

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 03:03:17 UTC
From: soona4sail@...
Topic: 34506 Message: 34506

I hope this link to Mr Cebik,s favorite five backyard HF antennas is available to the USA group members.

73 John

http://www.users.on.net/~bcr/files/backyard%20wire%20antennaes.pdf
http://www.users.on.net/~bcr/files/backyard%20wire%20antennaes.pdf

34507. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 09:10:15 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 34507

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /Ant_W4RNL_Cebik_My-Backyard-Wire-Antennaes.pdf
Uploaded by : glene77is <glene77is@...>
Description : Antenna info from W4RNL, Cebik

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/Ant_W4RNL_Cebik_My-Backyard-Wire-Antennaes.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

glene77is <glene77is@...>

34508. Re: Five Favorite Backyard HF Antennas by L.B.Cebik

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 09:14:09 UTC
From: glene77is@...
Topic: 34506 Message: 34508

John Soona,

Have uploaded the Antenna_W4RNL_Cebik PDF to the file area.

I use a 225' LongWire and find this good reading.

Glen Ellis, KK4LPG QRP/CW.

34509. Re: [ham-antennas] Five Favorite Backyard HF Antennas by L.B.Cebik

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 14:05:03 UTC
From: Don Sanders
Topic: 34506 Message: 34509

Thanks John.
I have used the doublet ant on both 80 and 40. I now use the 88 ft doublet but as an inverted "L" per another Cebik epistle. Apex at 45 foot fed with 300 ohm parallel line. Works well 80 to 20 but not 17 to 10. Need a 66 or 44 foot to work 40 to 10.
I have read most of Cebiks writings. Great source of antenna knowledge.

Dr. Don W4BWS

On Thu, Oct 23, 2014 at 10:03 PM, soona4sail@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I hope this link to Mr Cebik,s favorite five backyard HF antennas is
> available to the USA group members.
>
>
> 73 John
>
>
> http://www.users.on.net/~bcr/files/backyard%20wire%20antennaes.pdf
>
>
>
>

34510. Re: [ham-antennas] Five Favorite Backyard HF Antennas by L.B.Cebik

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 14:11:04 UTC
From: Keith Heimbold
Topic: 34506 Message: 34510

John,

Thanks. This is very helpful information for me as I am building the horizontal loop antenna for my backyard.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 23, 2014, at 8:03 PM, "soona4sail@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I hope this link to Mr Cebik,s favorite five backyard HF antennas is available to the USA group members.
>
>
>
> 73 John
>
>
>
> http://www.users.on.net/~bcr/files/backyard%20wire%20antennaes.pdf
>
>
>
>

34511. Re: [ham-antennas] Five Favorite Backyard HF Antennas by L.B.Cebik

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 16:14:21 UTC
From: soona4sail@...
Topic: 34506 Message: 34511

I,m glad everyone is able to see Mr Cebik,s thoughts on antennas. I miss his musings, and excellent articles.

73 John (VE7MTW)

34512. Douiblet Antenna Article from the July, 2001 Bexar Wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 16:31:23 UTC
From: soona4sail@...
Topic: 34512 Message: 34512

I., happy to see that my link to Mr Cebik,s is available to the US member.s

In addition, here is a link to an article about the lowly doublet, in the July 2001 issue of the Bexar Wire, the official newsletter from the San Antonio radio club. I hope the club does not mind me sharing this excellent newsletter with the group.

I post it because it is interesting reading, especially about the late Mr Louis Varney,s secondary thoughts on his G5RV design.I suspect not many amateurs know about this. The article begins on page 2 of the Bexar Wire link, and Mr Varney,s thoughts are the top of page 3.

73 John

http://w5sc.org/Docs/BexarWire/200107BexarWire.pdf
http://w5sc.org/Docs/BexarWire/200107BexarWire.pdf

34513. SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 22:07:07 UTC
From: Monte
Topic: 34512 Message: 34513

Is there a reliable SWR meter for less than $100 that will deal work with 2m and 70cm?

YES I am new at this, got my Tech in September and passed my general oct 20. I would like to cobble some things to together to test. Any assistance would be appreciated.

mholder
KE0BTB

34514. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 22:20:34 UTC
From: Mel Farrer
Topic: 34512 Message: 34514

Check out http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW
As a reference unit.
Mel, K6KBE

From: "Monte montholder@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Friday, October 24, 2014 3:07 PM
Subject: [ham-antennas] SWR meter

Is there a reliable SWR meter for less than $100 that will deal work with 2m and 70cm?

YES I am new at this, got my Tech in September and passed my general oct 20. I would like to cobble some things to together to test. Any assistance would be appreciated.
Robot Check
mholder
KE0BTB
| |
| | | | | |
| Robot CheckEnter the characters you see below Sorry, we just need to make sure you're not a robot. For best results, please make sure your browser is accepting cookies. |
| |
| View on www.amazon.com | Preview by Yahoo |
| |
| |

34515. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-24 22:48:16 UTC
From: Matthew King
Topic: 34512 Message: 34515

That one particular one is not terribly well reviewed:
http://www.eham.net/reviews/detail/7269

I'm afraid that the real answer to your question is no.

$150, though will do the job! It will get you the
http://www.dxengineering.com/parts/dwa-cn-801v Here's its eHam review:
http://www.eham.net/reviews/detail/7378

Let us know what you come up with!

Matt King
KK4CPS

On Fri, Oct 24, 2014 at 6:20 PM, Mel Farrer farrerfolks@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Check out
> http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW
> As a reference unit.
>
> Mel, K6KBE
>
> ----------
> *From:* "Monte montholder@... [ham-antennas]" <
> ham-antennas@...m>
> *To:* "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
> *Sent:* Friday, October 24, 2014 3:07 PM
> *Subject:* [ham-antennas] SWR meter
>
>
> Is there a reliable SWR meter for less than $100 that will deal work
> with 2m and 70cm?
>
> YES I am new at this, got my Tech in September and passed my general oct
> 20. I would like to cobble some things to together to test. Any assistance
> would be appreciated.
> Robot Check
> <http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW>
> mholder
> KE0BTB
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>
> Robot Check
> <http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW>
> Enter the characters you see below Sorry, we just need to make sure you're
> not a robot. For best results, please make sure your browser is accepting
> cookies.
> View on www.amazon.com
> <http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW>
> Preview by Yahoo
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>

34516. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 00:01:43 UTC
From: Mel Farrer
Topic: 34512 Message: 34516

Right on Matt, but it is a bench mark on the low end of what is available on a budget. For starters it is not bad, just not very good.
Mel, K6KBE

From: "Matthew King mrk.twg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, October 24, 2014 3:48 PM
Subject: Re: [ham-antennas] SWR meter

  That one particular one is not terribly well
reviewed: http://www.eham.net/reviews/detail/7269
I'm afraid that the real answer to your question is no.
$150, though will do the job! It will get you
the http://www.dxengineering.com/parts/dwa-cn-801v Here's its eHam
review: http://www.eham.net/reviews/detail/7378
Let us know what you come up with!
Matt KingKK4CPS

On Fri, Oct 24, 2014 at 6:20 PM, Mel Farrer farrerfolks@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

  Check out
http://www.amazon.com/VHF-UHF-POWER-Meter-Cross-Needle-140-525Mhz/dp/B004IP8FSW As a reference unit.
Mel, K6KBE

From: "Monte montholder@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Friday, October 24, 2014 3:07 PM
Subject: [ham-antennas] SWR meter

  Is there a reliable SWR meter for less than $100 that will deal work with 2m and 70cm?

YES I am new at this, got my Tech in September and passed my general oct 20. I would like to cobble some things to together to test. Any assistance would be appreciated.
Robot Check
mholder
KE0BTB
| |
| | | | | |
| Robot CheckEnter the characters you see below Sorry, we just need to make sure you're not a robot. For best results, please make sure your browser is accepting cookies. |
| |
| View on www.amazon.com | Preview by Yahoo |
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| |

34517. RE: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 00:20:08 UTC
From: Michael D Earls
Topic: 34512 Message: 34517

I bought the Daiwa CN-103M for $89 fifteen months ago.

http://www.gigaparts.com/Product-Lines/SWR-Watt-Meters/Daiwa-CN-103M.html

Still the same price.

Others may differ, but it's done a good job for me.

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, October 24, 2014 7:02 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] SWR meter

Right on Matt, but it is a bench mark on the low end of what is available on a budget. For starters it is not bad, just not very good.

Mel, K6KBE

34518. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 06:11:26 UTC
From: Geoff McAlpin
Topic: 34512 Message: 34518

For the last few days I have been looking at this:

http://www.theantennafarm.com/catalog/comet-cmx-2300-5589.html

The only thing is there aren't many reviews that I can find.

On Friday, October 24, 2014, 'Michael D Earls' mikeearls@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I bought the Daiwa CN-103M for $89 fifteen months ago.
>
> http://www.gigaparts.com/Product-Lines/SWR-Watt-Meters/Daiwa-CN-103M.html
>
> Still the same price.
>
> Others may differ, but it's done a good job for me.
>
>
>
> Mike Earls
>
> AF5MS
>
> TSRA Life Member
>
> NRA Benefactor Member
>
>
>
> *From:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>]
> *Sent**:* Friday, October 24, 2014 7:02 PM
> *To:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Subject:* Re: [ham-antennas] SWR meter
>
>
>
>
>
> Right on Matt, but it is a bench mark on the low end of what is available
> on a budget. For starters it is not bad, just not very good.

>
>
>
> Mel, K6KBE
>
>
> ----------
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34519. AW: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 07:48:02 UTC
From: siegfried jackstien
Topic: 34512 Message: 34519

I would by 2 daiwa meters instead (one for shortwave and one for vhf/uhf)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 25. Oktober 2014 06:11
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] SWR meter
>
>
>
> For the last few days I have been looking at this:
>
> http://www.theantennafarm.com/catalog/comet-cmx-2300-5589.html
>
> The only thing is there aren't many reviews that I can find.
>
> On Friday, October 24, 2014, 'Michael D Earls' mikeearls@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
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>
> I bought the Daiwa CN-103M for $89 fifteen months ago.
>
> http://www.gigaparts.com/Product-Lines/SWR-Watt-Meters/Daiwa-CN-
> 103M.html
>
> Still the same price.
>
> Others may differ, but it's done a good job for me.
>
>
>
> Mike Earls
>
> AF5MS
>
> TSRA Life Member
>

> NRA Benefactor Member
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-
> antennas@yahoogroups.com]
> Sent: Friday, October 24, 2014 7:02 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] SWR meter
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>
> Right on Matt, but it is a bench mark on the low end of what is
> available on a budget. For starters it is not bad, just not very good.
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> Mel, K6KBE
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> --
>
> Geoff, NM7V
> Seattle, WA
> CN87tr
>
>
>

34520. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 14:44:45 UTC
From: Geoff McAlpin
Topic: 34512 Message: 34520

Buying two Daiwa meters would cost a bit to a lot more than the single twin meter. What would be your reasoning for getting two?

On Saturday, October 25, 2014, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I would by 2 daiwa meters instead (one for shortwave and one for vhf/uhf)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
> ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>]
> > Gesendet: Samstag, 25. Oktober 2014 06:11
> > An: ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> > Betreff: Re: [ham-antennas] SWR meter
> >
> >
> >
> > For the last few days I have been looking at this:
> >
> > http://www.theantennafarm.com/catalog/comet-cmx-2300-5589.html
> >
> > The only thing is there aren't many reviews that I can find.
> >
> > On Friday, October 24, 2014, 'Michael D Earls' mikeearls@...
> <javascript:_e(%7B%7D,'cvml','mikeearls@...');>
> > [ham-antennas] <ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:
> >
> >
> >
> >
> >
> >
> >
> > I bought the Daiwa CN-103M for $89 fifteen months ago.

> >
> > http://www.gigaparts.com/Product-Lines/SWR-Watt-Meters/Daiwa-CN-
> > 103M.html
> >
> > Still the same price.
> >
> > Others may differ, but it's done a good job for me.
> >
> >
> >
> > Mike Earls
> >
> > AF5MS
> >
> > TSRA Life Member
> >
> > NRA Benefactor Member
> >
> >
> >
> > From: ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');> [mailto:
> ham- <javascript:_e(%7B%7D,'cvml','ham-');>
> > antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','antennas@yahoogroups.com');>]
> > Sent: Friday, October 24, 2014 7:02 PM
> > To: ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> > Subject: Re: [ham-antennas] SWR meter
> >
> >
> >
> >
> >
> > Right on Matt, but it is a bench mark on the low end of what is
> > available on a budget. For starters it is not bad, just not very good.
> >
> >
> >
> > Mel, K6KBE
> >
> >
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> >
> > _____
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> >
> > --
> >
> > Geoff, NM7V
> > Seattle, WA
> > CN87tr
> >
> >
> >
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34521. RE: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 15:38:16 UTC
From: Michael D Earls
Topic: 34512 Message: 34521

The Comet is $169.

A CN-101 (HF thru 150) and CN-103M (2m/70cm) would be $180 total.

If the dual band is a separate rig, I prefer separate meters,

Mike Earls
AF5MS
TSRA Life Member
NRA Benefactor Member

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, October 25, 2014 9:45 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] SWR meter

Buying two Daiwa meters would cost a bit to a lot more than the single twin meter. What would be your reasoning for getting two?

On Saturday, October 25, 2014, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I would by 2 daiwa meters instead (one for shortwave and one for vhf/uhf)

Dg9bfc

Sigi

34522. Re: New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 16:57:47 UTC
From: A
Topic: 394 Message: 34522

THanks for BAckyard - Wire Ant.- File from LB .Cebik , glad we have the Greats to teach us , "Bill" Orr, Les Moxon ,
"The"-Jerry Sevick , Joe Carr, Stuart D. Cowan ,Joel R. Hallas, and many more ! if you are on this group and i did not mention your name , it is my ignorance not your talent ! 73s, AJ W5HEH another Hillbilly Ham in the Ozarks .

34523. check links section new PDF free Download

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 17:59:10 UTC
From: email4utoo@...
Topic: 34523 Message: 34523

just share link for Jerry Sevick's 5th Edition on Theory and Practice of Transmission lines includes Baluns/ununs - Best version so far- well organized a must see, i checked it with Webroot no issues. If you have problem , then just email me . 73s,
ps HAY i could not afford 88 bucks for it ! Broadcast Engineers are way above my pay grade .

34524. AW: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 20:33:00 UTC
From: siegfried jackstien
Topic: 34512 Message: 34524

```
>
>
> Buying two Daiwa meters would cost a bit to a lot more than the single
> twin meter. What would be your reasoning for getting two?

I would only use the dual meter thingy if i would have a ts2000 or similar
rig (one rig with shortwave and vhf/uhf) ... yes then that dual thingy would
be nice ...

But I have shortwave and vhf/uhf NOT in the same rig ... and so easier
cabling and setup with 2 different meters

...

It is just my personal thought ... better 2 independent meters

Dg9bfc

Sigi
```

34525. AW: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 20:34:21 UTC
From: siegfried jackstien
Topic: 34512 Message: 34525

And if you go to a hamfest to a dealer and ask if he makes a spezial price
if you buy 2 meters ... maybe you get them together for 150 bucks

Or try to locate a used one (has to be functional for sure)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 25. Oktober 2014 15:38
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] SWR meter
>
>
>
> The Comet is $169.
>
> A CN-101 (HF thru 150) and CN-103M (2m/70cm) would be $180 total.
>
> If the dual band is a separate rig, I prefer separate meters,
>
>
>
> Mike Earls
>
> AF5MS
>
> TSRA Life Member
>
> NRA Benefactor Member
>
>
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Saturday, October 25, 2014 9:45 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] SWR meter
>
>
>
>
>
> Buying two Daiwa meters would cost a bit to a lot more than the single
> twin meter. What would be your reasoning for getting two?

>
> On Saturday, October 25, 2014, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
> I would by 2 daiwa meters instead (one for shortwave and one for
> vhf/uhf)
>
> Dg9bfc
>
> Sigi
>
>
>
>

34526. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 20:48:19 UTC
From: Geoff McAlpin
Topic: 34512 Message: 34526

Ah, well, I have a 706mk2g (and limited shack space) so the twin meter
would work great for me. :)

On Saturday, October 25, 2014, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

>
>
> >
> >
> > Buying two Daiwa meters would cost a bit to a lot more than the single
> > twin meter. What would be your reasoning for getting two?
>
> I would only use the dual meter thingy if i would have a ts2000 or similar
> rig (one rig with shortwave and vhf/uhf) ... yes then that dual thingy
> would
> be nice ...
>
> But I have shortwave and vhf/uhf NOT in the same rig ... and so easier
> cabling and setup with 2 different meters
>
> ...
>
> It is just my personal thought ... better 2 independent meters
>
> Dg9bfc
>
> Sigi
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34527. Re: Douiblet Antenna Article from the July, 2001 Bexar Wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 22:15:25 UTC
From: ea7hj@...
Topic: 34512 Message: 34527

Hi IMHO if you have a modern transceiver that this measure RF power and reflected power, why you need a SWR meter ?.
I spend $100 on something else needed for my station. IMHO.

73's

Antonio - ea7hj

34528. Re: [ham-antennas] Re: Douiblet Antenna Article from the July, 2001 Bexar Wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-25 23:48:16 UTC
From: Walt Wilson
Topic: 34512 Message: 34528

I have an Icom 746 Pro with Digital SWR and watt meters built in. I have a nice Diawa but rarely use it. I understand Antonio’s position on this. My external meter is more of a back up than anything else. My next small item will be an external antenna tuner for my Swan 700, but I have built in meters and tuner for the ICOM

From: mailto:ham-antennas@...m
Sent: Saturday, October 25, 2014 6:15 PM
To: ham-antennas@...m
Subject: [ham-antennas] Re: Douiblet Antenna Article from the July, 2001 Bexar Wire

Hi

IMHO if you have a modern transceiver that this measure RF power and reflected power, why you need a SWR meter ?.
I spend $100 on something else needed for my station. IMHO.

73's

Antonio - ea7hj

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5315 / Virus Database: 4189/8453 - Release Date: 10/25/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5315 / Virus Database: 4189/8453 - Release Date: 10/25/14

34529. Re: [ham-antennas] Douiblet Antenna Article from the July, 2001 Bexar Wire

Yahoo group: ham-antennas (2014)
Date: 2014-10-26 01:23:49 UTC
From: Alex Netherton
Topic: 34512 Message: 34529

I have used a doublet for years with a T type transmatch and a balun. I often crack pileups. About 600 pep. 80-10 including WARC!

73

Alex Netherton
BlueRidgeDiscovery.org
Amateur Radio KC4BO
On Oct 24, 2014 12:31 PM, "soona4sail@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> I., happy to see that my link to Mr Cebik,s is available to the US member.s
>
> In addition, here is a link to an article about the lowly doublet, in the
> July 2001 issue of the Bexar Wire, the official newsletter from the San
> Antonio radio club. I hope the club does not mind me sharing this excellent
> newsletter with the group.
>
> I post it because it is interesting reading, especially about the late Mr
> Louis Varney,s secondary thoughts on his G5RV design.I suspect not many
> amateurs know about this. The article begins on page 2 of the Bexar Wire
> link, and Mr Varney,s thoughts are the top of page 3.
>
> 73 John
>
> http://w5sc.org/Docs/BexarWire/200107BexarWire.pdf
>
>
>

34530. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-26 03:06:28 UTC
From: Kevin Kleinfelter
Topic: 34512 Message: 34530

At that price range, shop the used market. It is better to get a good used meter than a bad new meter. IMHO.
Kevin / K4KPK

On Fri, Oct 24, 2014 at 6:07 PM, Monte montholder@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Is there a reliable SWR meter for less than $100 that will deal work with
> 2m and 70cm?
>
> YES I am new at this, got my Tech in September and passed my general oct
> 20. I would like to cobble some things to together to test. Any assistance
> would be appreciated.
>
> mholder
> KE0BTB
>
>

34531. Re: [ham-antennas] SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-26 03:33:28 UTC
From: Richard Solomon
Topic: 34512 Message: 34531

Look for the MIRAGE MP1 and MP2. They can be found over on e-Pay
for under $100. They have detachable couplers so you don't need to route
the coax to and from the operating position.

73, Dick, W1KSZ

On Sat, Oct 25, 2014 at 8:06 PM, Kevin Kleinfelter
kleinfelter.groups@... [ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

>
>
> At that price range, shop the used market. It is better to get a good
> used meter than a bad new meter. IMHO.
> Kevin / K4KPK
>
> On Fri, Oct 24, 2014 at 6:07 PM, Monte montholder@yahoo.com
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> Is there a reliable SWR meter for less than $100 that will deal work with
>> 2m and 70cm?
>>
>> YES I am new at this, got my Tech in September and passed my general oct
>> 20. I would like to cobble some things to together to test. Any assistance
>> would be appreciated.
>>
>> mholder
>> KE0BTB
>>
>
>
>

34532. Re: SWR meter

Yahoo group: ham-antennas (2014)
Date: 2014-10-26 07:43:05 UTC
From: jc_2aussie
Topic: 1368 Message: 34532

I am only an F call in Australia , which is a basic licence , hwoever i have found that using meters which cover multiple bands , as with radios that do the same , you tend to end up with units that are compromises.
They due to space , harmonics , rf etc are not quiet as efficient as a frequency specific unit.
 I would opt for a hf 1.8 to 30 mhz , and a dUal band 2m to 70cm

Just my preferences
Jeff
vk4fnrs

Sent from Samsung tablet

34533. Six and Ten meter Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-28 02:44:53 UTC
From: p_chap@...
Topic: 34533 Message: 34533

Good evening everyone. With the occasional openings on six and ten and never knowing which direction, an omni directional seems a good choice for limited playtime. Anyone have experience with the Par Electronics Omni-angle units? Highly rated on eham and low price seems to be a good niche fill antenna for my needs. I am not trying for DXCC on those bands, just a little fun at a cost that does not surpass home brew by a ridiculous margin. Comments?

34534. Re: [ham-antennas] Six and Ten meter Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-28 03:57:18 UTC
From: Matthew King
Topic: 34533 Message: 34534

Not real sure of the pricing of those loops, but you might check into the Diamond CP610 vertical 6m/10m antenna. It is a 5/8th wave on 10m, and 2 5/8's on 6m, so there's a bit of gain on both frequencies.

It can be had for about $229 from various sources.

I don't own one, but I'm seriously considering one for my Yaesu FT-8900R to replace the two independent ground plane antennas that I currently have.

Good luck with it!

73

Matt
KK4CPS

On Mon, Oct 27, 2014 at 10:44 PM, p_chap@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Good evening everyone. With the occasional openings on six and ten and
> never knowing which direction, an omni directional seems a good choice for
> limited playtime. Anyone have experience with the Par Electronics
> Omni-angle units? Highly rated on eham and low price seems to be a good
> niche fill antenna for my needs. I am not trying for DXCC on those bands,
> just a little fun at a cost that does not surpass home brew by a ridiculous
> margin. Comments?
>
>

34535. Re: [ham-antennas] Six and Ten meter Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-28 04:22:47 UTC
From: Keith Heimbold
Topic: 34533 Message: 34535

I have a M2 6m loop at 18' and tonight I heard FK6CP on 6m at 579 and 58 depending on mode. I built a homebrew cobweb antenna for 10m. Both work great! For DX openings I would opt for horizontally polarized antennas versus vertical but that is my opinion.

Good luck!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Oct 27, 2014, at 7:44 PM, "p_chap@bellsouth.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Good evening everyone. With the occasional openings on six and ten and never knowing which direction, an omni directional seems a good choice for limited playtime. Anyone have experience with the Par Electronics Omni-angle units? Highly rated on eham and low price seems to be a good niche fill antenna for my needs. I am not trying for DXCC on those bands, just a little fun at a cost that does not surpass home brew by a ridiculous margin. Comments?
>
>

34536. AW: [ham-antennas] Six and Ten meter Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-28 09:20:29 UTC
From: siegfried jackstien
Topic: 34533 Message: 34536

Why not homebrew "something" ??

Would give double fun

The fun that you built your antenna yourself ... and the fun to be a bit proud of the results afterwards with your homebrewed antenna :-)

I would build a fanned dipole for 10 and 6 (or better 2 of them ... reason below) and then I would buy a cb antenna (a 5/8 wl would be best) ... shorten it a bit to be resonant on 10 instead of 11m ... and then I would use the vertical as a "pole for a wire vertical that is added to the 10m element (fed in parallel at the base)

That 6m element would then be built with a small coil at the base and with 5/8 wl length (should give some gain)

Now you may ask the reason why to build 2 fanned dipoles???

Ok ...

Use the fanned dipoles as radials for the vertical elements

With some relays at the base you can feed the east-west or the north-south dipole(s) ... or the vertical(s)

Omnidirectonal vertical ... or 2 dipoles in 2 directions ...

And that all for the price of a cb antenna ... plus some relays and some wire

....

What do YOU think about THAT idea?!?

Cb antenna 50 bucks ... some wire and relays ... junk box

A weekend in the garden with a friend and an antenna analyzer

Some beer and steaks ... :-)

Go figure who has more fun ... the homebrewer or the buyer of a commercial antenna

When it comes to big monster beams .. ok then homebrewing is not easy (nor is it really cheap) and you better buy such a thingy... but when it comes to simple antennas that could be easy homebrewed ... yes then I would go that way

Dg9bfc

Sigi

Ps ... if you wanna go the easy way then an inverted v for 10 and 6 would also fit your needs ... cheap and easy ... and also near omnidirectional

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 28. Oktober 2014 02:45
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Six and Ten meter Antenna question
>
>
>
> Good evening everyone. With the occasional openings on six and ten and
> never knowing which direction, an omni directional seems a good choice for
> limited playtime. Anyone have experience with the Par Electronics Omni-
> angle units? Highly rated on eham and low price seems to be a good niche
> fill antenna for my needs. I am not trying for DXCC on those bands, just a
> little fun at a cost that does not surpass home brew by a ridiculous
> margin. Comments?
>
>

34537. Re: [ham-antennas] Six and Ten meter Antenna question

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 02:13:50 UTC
From: Wayne Helms N4HWH
Topic: 34533 Message: 34537

P Chap
I have used a Par 6 meter omni for four years now for rovering during contest time. Great portable antenna for camping, hiking, or mountain topping during a contest. Have run 150 watts through it ok but not made for hi power. Put it up as high as you can.

Wayne Helms N4HWH

On Mon, Oct 27, 2014 at 10:44 PM, p_chap@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Good evening everyone. With the occasional openings on six and ten and
> never knowing which direction, an omni directional seems a good choice for
> limited playtime. Anyone have experience with the Par Electronics
> Omni-angle units? Highly rated on eham and low price seems to be a good
> niche fill antenna for my needs. I am not trying for DXCC on those bands,
> just a little fun at a cost that does not surpass home brew by a ridiculous
> margin. Comments?
>
>

--
73 de N4HWH
Wayne Helms
Kannapolis, NC
EM 95

34538. Help with inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 08:35:13 UTC
From: lilhawk236@...
Topic: 34538 Message: 34538

I am putting up an inverted L and I am not sure what to cut it for. I do know that I am trying to get it for 160m. My radials will run along the top of my fence, I will only be able to go side-to-side and not down.

Question 1: What should I cut an Inverted L to; 135' or 234'?

Question 2: Should I cut a 160m dipole and bend it at the center?

Question 3: Will it be ok to feed it with ladder line?

I have the permission of a neighbor to use one of his tress. Great neighbor

KD8DVY/Harold

34539. Re: [ham-antennas] Help with inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 09:50:17 UTC
From: Don Sanders
Topic: 34538 Message: 34539

Harold,
You can make it most any length, depends on your tuner.
Quarter wave- 135 with 2 horizontal 135 foot radials will work well in 160 but may be hard to load on 80. But make it 165 to 170 foot and it should load well on 160, 80 and 40.

Half wave dipole= will be good but you need a 150 foot support for center if one leg is vertical and one horizontal in an "L". Parallel line, 450 ohm or higher, is good feed line. Radiation will be mostly at 90 degrees NVIS if installed flat-top and more omnidirectional if inverted vee.
Most DXers use as high vertical section as possible and rest horizontal "L" of 160 + length fed at base of vertical. Requires a good ground plane. But several have reported good results with 2 or 4 elevated radials.

Another inverted "L" type is made from 1/2 inch or larger coax. It is cut to 1/4 wave, one end is shorted and has a 110 foot wire attached. This end is elevated as high verticaly and the rest horizontal. The coax feedline center goes to the shield at the bottom and the shield of feed line goes to the center of the ant coax and they go to the radials.
Same type antenna can be made with 450 ladderline instead of coax. The 10 foot wire at the end is to tune the antenna by trimming , if necessary.
Yes, it can also be fed with the ladderline.

I hope this is helpful. I use a 88 foot inverted "L" for 80 to 20 meters fed at the center (apex) with 300 ohm line.

Dr Don HC4/W4BWS

Dr. Don W4BWS

On Wed, Oct 29, 2014 at 3:35 AM, lilhawk236@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I am putting up an inverted L and I am not sure what to cut it for. I do
> know that I am trying to get it for 160m. My radials will run along the top
> of my fence, I will only be able to go side-to-side and not down.
>
> Question 1: What should I cut an Inverted L to; 135' or 234'?
>
> Question 2: Should I cut a 160m dipole and bend it at the center?
>
> Question 3: Will it be ok to feed it with ladder line?
>
> I have the permission of a neighbor to use one of his tress. Great
> neighbor

>
> KD8DVY/Harold
>
>
>
>

34540. RE: [ham-antennas] Help with inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 12:45:28 UTC
From: Scott Myers
Topic: 34538 Message: 34540

Why the radials along the top of a fence? It will be prone to les problems with the radials on the ground and the feed point just inches above the ground and radial junction.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, October 29, 2014 4:35 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Help with inverted L

I am putting up an inverted L and I am not sure what to cut it for. I do know that I am trying to get it for 160m. My radials will run along the top of my fence, I will only be able to go side-to-side and not down.

Question 1: What should I cut an Inverted L to; 135' or 234'?

Question 2: Should I cut a 160m dipole and bend it at the center?

Question 3: Will it be ok to feed it with ladder line?

I have the permission of a neighbor to use one of his tress. Great neighbor

KD8DVY/Harold

34541. Re: [ham-antennas] Help with inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 12:50:44 UTC
From: Don Sanders
Topic: 34538 Message: 34541

Radials on the ground are not resonant and ground coupling requires many radials for good operation. Two or 4 radials raised at least 1 meter above ground and resonant at the main operating freq will usually perform well., many papers have been written explaining the research into this area.

Dr. Don W4BWS

On Wed, Oct 29, 2014 at 7:45 AM, 'Scott Myers' ac8de@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Why the radials along the top of a fence? It will be prone to les
> problems with the radials on the ground and the feed point just inches
> above the ground and radial junction.
>
>
>
> 73,
>
> Scott AC8DE
>
>
>
> *From:* ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>
> *Sent:* Wednesday, October 29, 2014 4:35 AM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Help with inverted L
>
>
>
>
>
> I am putting up an inverted L and I am not sure what to cut it for. I do
> know that I am trying to get it for 160m. My radials will run along the top
> of my fence, I will only be able to go side-to-side and not down.
>
> Question 1: What should I cut an Inverted L to; 135' or 234'?
>
> Question 2: Should I cut a 160m dipole and bend it at the center?
>
> Question 3: Will it be ok to feed it with ladder line?
>
> I have the permission of a neighbor to use one of his tress. Great
> neighbor

>
> KD8DVY/Harold
>
>
>
>
>

34542. Re: [ham-antennas] Help with inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 12:59:54 UTC
From: Myron WVØH
Topic: 34538 Message: 34542
Attachments: 1 described; binary payloads are missing from this source WARC

Harold,

I had an inverted L for 80m strung up with a 33 foot telescoping pole and the rest of the wire was strung over to a tree and was horizontal. While an essentially a 33 foot vertical for 80m was just good enough, the longer the center vertical part the better as the horizontal parts is just tuning and contributes very little to far field radiation. I used only two slightly elevated 34 foot radials stapled along the top of the fence along the property boundary up about 4 feet above ground.

Then I wanted it to become a dual band 80-40m inverted L and built a small trap as I was only at QRP a levels, so I built a trap out of a 500V silver mica and a T80 iron powder toroid. I placed it at the 32 foot level near the top of the pole just past the top and bout four inches into the vertical section. Since it was a trap with a 4 to 1 Xl to Xc ratio quite a bit of loading on the 80m portion and shortened (and reduced 80m BW) but made this a really compact, sweet little dual band 40/80m inverted L. You may consider doing the same for 160/80, as the trap could be made larger for 100-W and mounted on another pole or hoisted up in a tree and the wire end could be supported off in another tree.

Myron WVØH
Printed on Recycled Data

> On Oct 29, 2014, at 3:50 AM, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Harold,
> You can make it most any length, depends on your tuner.
> Quarter wave- 135 with 2 horizontal 135 foot radials will work well in 160 but may be hard to load on 80. But make it 165 to 170 foot and it should load well on 160, 80 and 40.
>
> Half wave dipole= will be good but you need a 150 foot support for center if one leg is vertical and one horizontal in an "L". Parallel line, 450 ohm or higher, is good feed line. Radiation will be mostly at 90 degrees NVIS if installed flat-top and more omnidirectional if inverted vee.
> Most DXers use as high vertical section as possible and rest horizontal "L" of 160 + length fed at base of vertical. Requires a good ground plane. But several have reported good results with 2 or 4 elevated radials.
>
> Another inverted "L" type is made from 1/2 inch or larger coax. It is cut to 1/4 wave, one end is shorted and has a 110 foot wire attached. This end is elevated as high verticaly and the rest horizontal. The coax feedline center goes to the shield at the bottom and the shield of feed line goes to the center of the ant coax and they go to the radials.
> Same type antenna can be made with 450 ladderline instead of coax. The 10 foot wire at the end is to tune the antenna by trimming , if necessary. Yes, it can also be fed with the ladderline.
>

> I hope this is helpful. I use a 88 foot inverted "L" for 80 to 20 meters fed at the center (apex) with 300 ohm line.
>
> Dr Don HC4/W4BWS
>
> Dr. Don W4BWS
>
>> On Wed, Oct 29, 2014 at 3:35 AM, lilhawk236@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> I am putting up an inverted L and I am not sure what to cut it for. I do know that I am trying to get it for 160m. My radials will run along the top of my fence, I will only be able to go side-to-side and not down.
>>
>> Question 1: What should I cut an Inverted L to; 135' or 234'?
>>
>> Question 2: Should I cut a 160m dipole and bend it at the center?
>>
>> Question 3: Will it be ok to feed it with ladder line?
>>
>> I have the permission of a neighbor to use one of his tress. Great neighbor
>>
>> KD8DVY/Harold
>
>

34543. Phasing Noise Eliminator

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 13:12:12 UTC
From: Joe
Topic: 34543 Message: 34543
Attachments: 1 described; binary payloads are missing from this source WARC

I bet someone homebrewed these first before the commercial guys started offering them.

But has anyone one recently homebrewed one of these? The Phasing Noise eliminators. Like this one from MFJ
http://www.mfjenterprises.com/Product.php?productid=MFJ-1026

OR This one from DX engineering.
http://www.dxengineering.com/search/part-type/antenna-phasing-and-noise-cancelling/product-line/dx-engineering-ncc-1-receive-antenna-variable-phasing-controllers?autoview=SKU&sortby=Default&sortorder=Ascending

Anyone? Schematics?

Joe WB9SBD
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

34544. Re: [ham-antennas] Phasing Noise Eliminator

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 13:16:29 UTC
From: Paul V Birke PEng
Topic: 34543 Message: 34544
Attachments: 1 described; binary payloads are missing from this source WARC

there is also the WIMO device
http://www.eham.net/reviews/detail/11503

seems to work well

p

On Wednesday, October 29, 2014 9:12 AM, "Joe nss@mwt.net [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:

I bet someone homebrewed these first before the commercial guys started offering them.

But has anyone one recently homebrewed one of these? The Phasing
Noise eliminators. Like this one from MFJ
http://www.mfjenterprises.com/Product.php?productid=MFJ-1026

OR This one from DX engineering.
http://www.dxengineering.com/search/part-type/antenna-phasing-and-noise-cancelling/product-line/dx-engineering-ncc-1-receive-antenna-variable-phasing-controllers?autoview=SKU&sortby=Default&sortorder=Ascending

Anyone? Schematics?

Joe WB9SBD

--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

34545. Re: [SPAM] [ham-antennas] Phasing Noise Eliminator

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 14:08:03 UTC
From: Kenneth G. Gordon
Topic: 34543 Message: 34545

On 29 Oct 2014 at 8:12, Joe nss@... [ham-antennas] wrote:

> I bet someone homebrewed these first before the commercial guys started offering
> them.

Mike Murphy, WU2D, published an extensive article on noise phasers in Electric Radio Magazine in February, 2014. He included several circuits, beginning with a completely passive one, and ending up with one which included preamps for both the noise antenna and the main antenna.

He also explained exactly how they work and how to properly make them work.

In addition, he published photos of the results when used with his R-390A, showing the noise level having been dropped by at least 30 dB. The results were quite dramatic. The reading on the "S" meter of his R-390 dropped from about 42 dB to about 12 dB.

Copies of that magazine are available from Ray at www.ermag.com for a nominal fee.

I would strongly suggest that anyone who is contemplating buying or using a "noise phaser" read his article.

Properly used, noise phasers can do a good job on single sources of noise.

Ken W7EKB

34546. S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 20:40:21 UTC
From: Ken Asmus
Topic: 34546 Message: 34546

I have an S9V31 vertical that I want to use only on 40M (and possibly phase a 2nd). Current configuration has it mounted about 8 feet above ground with 4 - 1/4 wave sloping radials.

The antenna appears to be resonant around 8 Mhz with a 2:1 band from 7.3 to 8.4

I read in the manual there is a kit to convert this antenna to 40M only but can not find any details on this of how to do it.

Anyone can assist on how to lower the resonant freq to about 7.1 Mhz?

Thanks and 73,
Ken VA3KA

34547. Re: [ham-antennas] S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 22:15:43 UTC
From: kd8bbk@...
Topic: 34546 Message: 34547

Hello ken,
I have the same antenna that I use on 40 meters only. I run only cw
no ssb here. The antenna is about 2 feet short of being quarter wave on 40
meters. No need for a " KIT". Couple of things you can do.
1) Make coil for at the base of the antenna to finish the length.
Take some insulated wire and wrap about 2.5 feet of it on a piece of 3" or
larger pvc pipe and then trim it to match the swr. Also the more radials
you put down will also help lower the swr some.
2) You can also lengthen the wire at the top of the antenna but
this is not easily done.
Good luck and hope this helps you out. The antenna works very good
for dx. I have about 68 radials down on mine and with the coil added to the
bottom the swr is 1:1 around my operating frequency.

Best 73's Tony

In a message dated 10/29/2014 4:40:27 P.M. Eastern Daylight Time,
ham-antennas@yahoogroups.com writes:

I have an S9V31 vertical that I want to use only on 40M (and possibly
phase a 2nd). Current configuration has it mounted about 8 feet above ground
with 4 - 1/4 wave sloping radials.

The antenna appears to be resonant around 8 Mhz with a 2:1 band from 7.3
to 8.4

I read in the manual there is a kit to convert this antenna to 40M only
but can not find any details on this of how to do it.

Anyone can assist on how to lower the resonant freq to about 7.1 Mhz?

Thanks and 73,

Ken VA3KA

34548. Re: [ham-antennas] S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-29 22:30:33 UTC
From: Mel Farrer
Topic: 34546 Message: 34548

Hello Ken,
The simple answer is to put a small inductor between the feed line from the vertical to the feed point and adjust the inductance with a shorting strap to lower the resonance of the antenna. It seems that from the instruction manual the radials are a little short for 40 M. The match really depends on the ground conductivity. However, I would put in a small coil, say 10 turns on a 1-1/2" dia PVC form to start. Good luck.
Mel, K6KBE

From: "Ken Asmus ken.asmus@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, October 29, 2014 1:40 PM
Subject: [ham-antennas] S9V31 as a dedicated 40M antenna

I have an S9V31 vertical that I want to use only on 40M (and possibly phase a 2nd). Current configuration has it mounted about 8 feet above ground with 4 - 1/4 wave sloping radials.

The antenna appears to be resonant around 8 Mhz with a 2:1 band from 7.3 to 8.4

I read in the manual there is a kit to convert this antenna to 40M only but can not find any details on this of how to do it.

Anyone can assist on how to lower the resonant freq to about 7.1 Mhz?

Thanks and 73,
Ken VA3KA <!--

34549. Re: [ham-antennas] S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 02:06:56 UTC
From: Rich Schmuke
Topic: 34546 Message: 34549

Stop by your local weld shop and ask for 3/32, 1/8" or so diameter TIG , or heli-arc welding filler rod. They are 36" long. A 17-7, 17-4, 15-5 or 13-8 type SS rod are the best. I have made many antenna with this materials. It might even be free for one rod. Add this to the top of you antenna and set for 33 feet overall length with a small hose clamp to hold the welding rod.
http://s1102.photobucket.com/user/KD0ZZ/media/DSC00811.jpg.html
Feed at bottom direct from coax

With your elevated radials you have enough , also make 33 ft. Slopping radial will give you a 1:1 match

Rich, KdØzz

On Wed, Oct 29, 2014 at 5:30 PM, Mel Farrer farrerfolks@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hello Ken,
>
> The simple answer is to put a small inductor between the feed line from
> the vertical to the feed point and adjust the inductance with a shorting
> strap to lower the resonance of the antenna. It seems that from the
> instruction manual the radials are a little short for 40 M. The match
> really depends on the ground conductivity. However, I would put in a
> small coil, say 10 turns on a 1-1/2" dia PVC form to start. Good luck.
>
> Mel, K6KBE
>
> ---
> *From:* "Ken Asmus ken.asmus@... [ham-antennas]" <
> ham-antennas@yahoogroups.com>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Wednesday, October 29, 2014 1:40 PM
> *Subject:* [ham-antennas] S9V31 as a dedicated 40M antenna
>
>
> I have an S9V31 vertical that I want to use only on 40M (and possibly
> phase a 2nd). Current configuration has it mounted about 8 feet above
> ground with 4 - 1/4 wave sloping radials.
>
> The antenna appears to be resonant around 8 Mhz with a 2:1 band from 7.3
> to 8.4
>
> I read in the manual there is a kit to convert this antenna to 40M only
> but can not find any details on this of how to do it.

>
> Anyone can assist on how to lower the resonant freq to about 7.1 Mhz?
>
> Thanks and 73,
> Ken VA3KA
>
>
>
>

34550. Re: [ham-antennas] S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 13:05:32 UTC
From: dalecole3502@...
Topic: 34546 Message: 34550

Ken, check out this site which talks about using the S9v31 as a single band antenna on 40; It's actually the instruction manual and is located a few pages down in the instruction manual;

http://www.ldgelectronics.com/assets/manuals/S9v31%20Manual%20Rev%20B%20BW.pdf
Dale K8TS

----- Original Message -----

From: "ham-antennas" <ham-antennas@yahoogroups.com>
To: "ham-antennas" <ham-antennas@yahoogroups.com>
Sent: Wednesday, October 29, 2014 4:40:21 PM
Subject: [ham-antennas] S9V31 as a dedicated 40M antenna

I have an S9V31 vertical that I want to use only on 40M (and possibly phase a 2nd). Current configuration has it mounted about 8 feet above ground with 4 - 1/4 wave sloping radials.

The antenna appears to be resonant around 8 Mhz with a 2:1 band from 7.3 to 8.4

I read in the manual there is a kit to convert this antenna to 40M only but can not find any details on this of how to do it.

Anyone can assist on how to lower the resonant freq to about 7.1 Mhz?

Thanks and 73,
Ken VA3KA

34551. End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 19:46:18 UTC
From: David Welker
Topic: 34551 Message: 34551

Last week there was a diagram of an end fed antenna with a length of ladder line then a single wire off of one side of the ladder line. I thought I had saved this but can't find it now. Does anyone have this diagam and could you post it again so I can copy it.
73 Dave

34552. Re: [ham-antennas] End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 20:05:36 UTC
From: Alex Netherton
Topic: 34551 Message: 34552

Called a Zepp. This was the antenna used on the Zeppelins in the early part of the 20th Century, just a length of ladder line with a half wave antenna hooked to one end of it and floating free. The other end of the ladder line was not terminated. You need to use a tuner/matcher, or you can use it on one band and stub feed it. I have used a double Zepp - two half wave elements on ladder line.

Get a piece of twin lead or ladder line. Determine your lowest band of operation. Cut a half wave chunk of wire for it using the formula L=468/Frequency in Mhz. Attach it to one side of the twin lead/ladder line/window line. Attach the other end of the ladder line to a matcher, the matcher to your rig.

MFJ makes these antennas <http://www.mfjenterprises.com/Product.php?productid=MFJ-6115> with the aforementioned stub, making them single band, but the way I described, with a matcher, allows them to be used on all bands above the one for which you cut it.

73

Alex Netherton
http://blueridgediscovery.org
Please help at Gofundme.com <http://www.gofundme.com/d8cwmo>
Amateur Radio call W5ALX (Vanity Call)

On Thu, Oct 30, 2014 at 3:46 PM, David Welker k3si@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Last week there was a diagram of an end fed antenna with a length of
> ladder line then a single wire off of one side of the ladder line. I
> thought I had saved this but can't find it now. Does anyone have this
> diagam and could you post it again so I can copy it.
> 73 Dave
>
>

34553. Re: [ham-antennas] End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 20:47:32 UTC
From: Don Sanders
Topic: 34551 Message: 34553

David you may be referring to the 65 foot wire fed with 17 foot of parallel line.
Or it can be 85 foot of wire and a 17 foot wire on the ground.

Dr. Don W4BWS

On Thu, Oct 30, 2014 at 2:46 PM, David Welker k3si@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Last week there was a diagram of an end fed antenna with a length of
> ladder line then a single wire off of one side of the ladder line. I
> thought I had saved this but can't find it now. Does anyone have this
> diagam and could you post it again so I can copy it.
> 73 Dave
>
>

34554. Re: End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 22:17:09 UTC
From: mu0chn@...
Topic: 34551 Message: 34554

Don that sounds like a w3edp

34555. Re: [ham-antennas] Re: End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 22:21:43 UTC
From: Don Sanders
Topic: 34551 Message: 34555

Yup, I could not remember the call,senior moment.

Dr. Don W4BWS

On Thu, Oct 30, 2014 at 5:17 PM, mu0chn@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Don that sounds like a w3edp
>
>

34556. Re: [ham-antennas] Re: End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-30 23:04:24 UTC
From: Mel Farrer
Topic: 34551 Message: 34556

While I have used the end fed Zepps, I prefer the double extended Zepp configuration. Just needs a lot more room. hi.
Mel, K6KBE

From: "Don Sanders w4bws1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, October 30, 2014 3:21 PM
Subject: Re: [ham-antennas] Re: End feed

  Yup, I could not remember the call,senior moment.
Dr. Don W4BWS

On Thu, Oct 30, 2014 at 5:17 PM, mu0chn@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  Don that sounds like a w3edp

34557. Re: [ham-antennas] End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-31 04:23:59 UTC
From: David Welker
Topic: 34551 Message: 34557

---Thanks that was it.I couldn't remember the lenghts involved.My try one next summer on vacation just for fun. 73 Dave----------
On Thu, 10/30/14, Don Sanders w4bws1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Subject: Re: [ham-antennas] End feed
To: ham-antennas@yahoogroups.com
Date: Thursday, October 30, 2014, 4:47 PM

David you may be referring to
the 65 foot wire fed with 17 foot of parallel line.Or
it can be 85 foot of wire and a 17 foot wire on the
ground.
Dr. Don W4BWS

On Thu, Oct 30, 2014 at
2:46 PM, David Welker k3si@...
[ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

Last week there was a diagram of an end fed antenna
with a length of ladder line then a single wire off of one
side of the ladder line. I thought I had saved this but
can't find it now. Does anyone have this diagam and
could you post it again so I can copy it.

73 Dave

34558. Re: End feed

Yahoo group: ham-antennas (2014)
Date: 2014-10-31 15:52:09 UTC
From: John Flynn
Topic: 34551 Message: 34558

This one?

http://www.qsl.net/w5rin/Projects/Antennas/ae5vv/W3EDPAntenna.pdf

73

John K4ARQ

--
John Flynn
Tallahassee, Florida
USA

34559. Re: S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-31 16:53:36 UTC
From: A
Topic: 34546 Message: 34559

Greetings, i spoke to one fellow who prompted me to hook up a Top Hat to increase efficiency , but he i believe attached it lower than the top , what i am presenting is research this for an optimum Vertical since you are going to the trouble anyways- try couple of methods and then you will be very satisfied by your own results - also consider raising it to the Full 43-45' with a simple pipe mast ,like Top Fence pipe mast, Galvanized, Aluminum, or Heavy Fiberglass mast like the Military units, it is only another 12-14' , and if you already raised it some then even less , yes extend the wire . Sloped Radials use 14-18 ga wire ,(no need to waste copper i have read about OMs using 20ga), i tried 22ga no go ! I also tried a Petoway Coil , they are not fun to wind ! hihi. I also installed next to our Metal Roof covered Qth, on Rcv ok but no one heard me ! Now i am using an OCF 138 ft Dipole up about 25-30 , VERY Good Results ! on 40m Barefoot Xcvr, DX to Italy , Cuba, So America, Germany , yes some during Sunstorm about a month ago, i hear and speak with the Ozies frequently as well . My interest is not DX but Nets, and emergency fast implementation ,that is why i got the SV31' ,also for portable Fun. Do let us know the Results, for now i am planning a very large Loop , will be hard to beat the OCF performance and i have the most of the QSL cards to prove it , hihi.

73s, AJ W5HEH

34560. Re: S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-10-31 18:18:50 UTC
From: Ken Asmus
Topic: 34546 Message: 34560

Thanks to all the suggestions on lowering the resonant freq of my S9V31.

After a little experimentation I added 4 feet of wire wound on a 3" diameter form to the bottom of the antenna as suggested by a couple of posts.

This works fine. The resonant freq is now around 7.1 and the entire 40M band is now <2:1

Thanks again!

Now to add a 2nd S9V31 and phase them!!

73,
Ken VA3KA (looking for FT4TA on 40!)

34561. RE: [ham-antennas] Re: S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 03:54:36 UTC
From: w3nrl
Topic: 34546 Message: 34561

Sir,
I used a fiberglass which 30 feet and wrapped 12 gauge wire around in an upward spiral from bottom to top then 2 top hats 82 feet, then about 3500 feet of counterpoint vary in lengths from 8 feet to 70 feet. I know this is over kill but I had fun. Anyway my logbook says it all.
Just my little project
Have fun
Best of 73
Good do
W3nrl
Nick

Sent from my Samsung Galaxy Tab®4

-------- Original message --------
From: "A email4utoo@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
Date:10/31/2014 12:53 (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: S9V31 as a dedicated 40M antenna

Greetings, i spoke to one fellow who prompted me to hook up a Top Hat to increase efficiency , but he i believe attached it lower than the top , what i am presenting is research this for an optimum Vertical since you are going to the trouble anyways- try couple of methods and then you will be very satisfied by your own results - also consider raising it to the Full 43-45' with a simple pipe mast ,like Top Fence pipe mast, Galvanized, Aluminum, or Heavy Fiberglass mast like the Military units, it is only another 12-14' , and if you already raised it some then even less , yes extend the wire . Sloped Radials use 14-18 ga wire ,(no need to waste copper i have read about OMs using 20ga), i tried 22ga no go ! I also tried a Petoway Coil , they are not fun to wind ! hihi. I also installed next to our Metal Roof covered Qth, on Rcv ok but no one heard me ! Now i am using an OCF 138 ft Dipole up about 25-30 , VERY Good Results ! on 40m Barefoot Xcvr, DX to Italy , Cuba, So America, Germany , yes some during Sunstorm about a month ago, i hear and speak with the Ozies frequently as well . My interest is not DX but Nets, and emergency fast implementation ,that is why i got the SV31' ,also for portable Fun. Do let us know the Results, for now i am planning a very large Loop , will be hard to beat the OCF performance and i have the most of the QSL cards to prove it , hihi.

73s, AJ W5HEH

34562. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 07:35:52 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 34562

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

34563. Prosistel LPA2010

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 21:03:20 UTC
From: tmbrjnkr@...
Topic: 34563 Message: 34563

I am thinking of buying one of these from Array Solutions. Does anyone have one of these and can give a report on how easy it is to assemble, how rugged it is and how well it performs?

Frank VE7AWV

34564. New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 21:17:44 UTC
From: Keith Heimbold
Topic: 34564 Message: 34564

I put up a 75' long (approx) this morning that is 20' high and 50'+ horizontal with a 4:1 balun. Tunes well with internal TS590S tuner on all bands (40 to 10), but 30m which is why I put it up. It is actually working pretty well.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34565. Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 21:30:07 UTC
From: Keith Heimbold
Topic: 34564 Message: 34565

Forgot the question. How do I get 30m to tune better without losing all the other bands.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 1, 2014, at 2:17 PM, "Keith Heimbold" <ag6az@...> wrote:
>
> I put up a 75' long (approx) this morning that is 20' high and 50'+ horizontal with a 4:1 balun. Tunes well with internal TS590S tuner on all bands (40 to 10), but 30m which is why I put it up. It is actually working pretty well.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos

34566. AW: [ham-antennas] Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 21:54:21 UTC
From: siegfried jackstien
Topic: 34564 Message: 34566

I would try to add a few feet or shorten it a few feet

Experiment a bit is the thing here ... cause you wanna use that "compromise" on all bands with tuning over coax and a 1:4 ... then it is not easy to find a length that fits all needs (also depends on metal objects close, how built, how much is vertical and how much is horizontal etc.)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 1. November 2014 21:30
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: New antenna - inverted L
>
>
>
> Forgot the question. How do I get 30m to tune better without losing all
> the other bands.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> > On Nov 1, 2014, at 2:17 PM, "Keith Heimbold" <ag6az@...> wrote:
> >
> > I put up a 75' long (approx) this morning that is 20' high and 50'+
> horizontal with a 4:1 balun. Tunes well with internal TS590S tuner on all
> bands (40 to 10), but 30m which is why I put it up. It is actually working
> pretty well.
> >
> > Keith
> > AK6ZZ
> >
> > Sent from my iPhone please excuse typos
>
>
>

34567. Re: AW: [ham-antennas] Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-01 22:46:33 UTC
From: Mel Farrer
Topic: 34564 Message: 34567

Also, you didn't say if you were using a good ground or counterpoise. It will make a difference and did you measure the antenna match on 30? The numbers will tell you if you are -j or +j. That tells you which way to go on the length as Sigi suggests,

Mel, K6KBE

From: "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 1, 2014 2:54 PM
Subject: AW: [ham-antennas] Re: New antenna - inverted L

  I would try to add a few feet or shorten it a few feet

Experiment a bit is the thing here ... cause you wanna use that "compromise"
on all bands with tuning over coax and a 1:4 ... then it is not easy to find
a length that fits all needs (also depends on metal objects close, how
built, how much is vertical and how much is horizontal etc.)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 1. November 2014 21:30
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: New antenna - inverted L
>
>
>
> Forgot the question. How do I get 30m to tune better without losing all
> the other bands.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> > On Nov 1, 2014, at 2:17 PM, "Keith Heimbold" <ag6az@...> wrote:
> >
> > I put up a 75' long (approx) this morning that is 20' high and 50'+
> horizontal with a 4:1 balun. Tunes well with internal TS590S tuner on all
> bands (40 to 10), but 30m which is why I put it up. It is actually working
> pretty well.

> >
> > Keith
> > AK6ZZ
> >
> > Sent from my iPhone please excuse typos
>
>
>

34568. Re: AW: [ham-antennas] Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 12:00:02 UTC
From: Ken
Topic: 34564 Message: 34568

And don't forget to try it without the balun when you make changes. If the feed point is low impedance, a 4:1 balun will make it worse.

Ken WA8JXM

On Nov 1, 2014, at 5:54 PM, 'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas] wrote:

> I would try to add a few feet or shorten it a few feet
>
> Experiment a bit is the thing here ... cause you wanna use that "compromise"
> on all bands with tuning over coax and a 1:4 ... then it is not easy to find
> a length that fits all needs (also depends on metal objects close, how
> built, how much is vertical and how much is horizontal etc.)
>
> Dg9bfc
>
> Sigi

34569. Re: AW: [ham-antennas] Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 14:00:47 UTC
From: Keith Heimbold
Topic: 34564 Message: 34569

Ken,

I will try that as well. I decreased the top section and have a section that is coming down on the other end vertically and now all bands tune (80 to 6) with my external tuner. Not sure of how effective this antenna will be. I have some short radials on the ground but plan to put in a ground rod today and get some more wire going for the radials.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 2, 2014, at 4:00 AM, "Ken wa8jxm@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> And don't forget to try it without the balun when you make changes. If the feed point is low impedance, a 4:1 balun will make it worse.
>
> Ken WA8JXM
>
> On Nov 1, 2014, at 5:54 PM, 'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas] wrote:
>
> > I would try to add a few feet or shorten it a few feet
> >
> > Experiment a bit is the thing here ... cause you wanna use that "compromise"
> > on all bands with tuning over coax and a 1:4 ... then it is not easy to find
> > a length that fits all needs (also depends on metal objects close, how
> > built, how much is vertical and how much is horizontal etc.)
> >
> > Dg9bfc
> >
> > Sigi
>
>

34570. Re: AW: [ham-antennas] Re: New antenna - inverted L

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 15:44:52 UTC
From: rolandbrade@...
Topic: 34564 Message: 34570

I recently made an inverted L to replace my HF9V.
Having a short garden I made a trap inverted L.
I used the standard dimensions as used in the W3DZZ trap dipole. It is working very well.
My vertical section is 40 foot and the rest horizontal. I have also put an 80 metre trap in it and extended the length to cover 160 as well.
I now have an antenna that tunes on ALL bands to 6 metres. For a time I was running it with the HF9V still up to do some comparisons and it outperforms the very good HF9V especially on 160 metres. being trapped you can tune it with an analyser. As soon as it stops raining I will upload some photos of it to the files section.
Basically the vertical section at the base is now 2 inch scaffold pole, coming down to 1 1/4 at the top.
I would recommend this antenna to anyone wanting to put out a good signal from a small plot.
One thing that is important is a good radial system. My back yard is covered in them. The don't have to be straight, you can zigzag the radials. For the radials I use very cheap fence wire. The type I use are insulated so they don't rust. This housing estate has fences round every garden and the perimeter so I have tapped into these at the lowest wire. My longest run is about 600 feet. It was noticiable the difference when I connected up to this. Cheap, easy to make, no fancy matching needed. Mayube just a home made 1:1 balun and you are away.

Roley G3VIR

---In ham-antennas@yahoogroups.com, <ag6az@...> wrote :

Ken,

I will try that as well. I decreased the top section and have a section that is coming down on the other end vertically and now all bands tune (80 to 6) with my external tuner. Not sure of how effective this antenna will be. I have some short radials on the ground but plan to put in a ground rod today and get some more wire going for the radials.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Nov 2, 2014, at 4:00 AM, "Ken wa8jxm@... mailto:wa8jxm@... [ham-antennas]" <ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com> wrote:

And don't forget to try it without the balun when you make changes. If the feed point is low impedance, a 4:1 balun will make it worse.

Ken WA8JXM

On Nov 1, 2014, at 5:54 PM, 'siegfried jackstien' siegfried.jackstien@...
mailto:siegfried.jackstien@... [ham-antennas] wrote:

> I would try to add a few feet or shorten it a few feet
>
> Experiment a bit is the thing here ... cause you wanna use that "compromise"
> on all bands with tuning over coax and a 1:4 ... then it is not easy to find
> a length that fits all needs (also depends on metal objects close, how
> built, how much is vertical and how much is horizontal etc.)
>
> Dg9bfc
>
> Sigi

34571. Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 20:25:21 UTC
From: kg5cna@...
Topic: 34571 Message: 34571

I have searched and searched trying to find info on this antenna. I know you would fully extend the antenna for 2 meter but do you have to lower it for 70 cm? I have a smiley antenna and you do raise and lower it for the different bands. Any help would be appreciated.

34572. AW: [ham-antennas] Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 20:31:31 UTC
From: siegfried jackstien
Topic: 34571 Message: 34572

I would guess that it works also on 70 cm when fully extended (3/4 wave)

D9bfc

Sigi

Ps ... any chance to measure with an swr metre??

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 2. November 2014 20:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Diamond rh-770 HT Antenna
>
>
>
> I have searched and searched trying to find info on this antenna. I know
> you would fully extend the antenna for 2 meter but do you have to lower it
> for 70 cm? I have a smiley antenna and you do raise and lower it for the
> different bands. Any help would be appreciated.
>
>

34573. Re: AW: [ham-antennas] Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 20:45:08 UTC
From: dave ammerman
Topic: 34571 Message: 34573

I dont have a way to connect it to a swr meter, I had thought about that too.

On Sunday, November 2, 2014 2:34 PM, "'siegfried jackstien' siegfried.jackstien@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  I would guess that it works also on 70 cm when fully extended (3/4 wave)

D9bfc

Sigi

Ps ... any chance to measure with an swr metre??

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 2. November 2014 20:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Diamond rh-770 HT Antenna
>
>
>
> I have searched and searched trying to find info on this antenna. I know
> you would fully extend the antenna for 2 meter but do you have to lower it
> for 70 cm? I have a smiley antenna and you do raise and lower it for the
> different bands. Any help would be appreciated.
>
>

34574. RE: [ham-antennas] Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 20:53:34 UTC
From: John Murphy
Topic: 34571 Message: 34574

I found this on Diamond□s website:
http://www.diamond-ant.co.jp/english/amateur/antenna/ante_3hand/ante_hand1.html

H770: 144/430MHz(2m/70cm)

Length:93cm (retracted 22.3cm) 10 stages / Weight:85g
Gain:3.0dB(144MHz),5.5dB(430MHz) / Max.power rating:20W FM
Impedance:50ohms / VSWR:Less than 1.5:1 / Connector:BNC-P
Type:1/2wave radialless(144MHz),2x5/8wave radialless(430MHz),300MHz
receiving only

Seems to me that fully extended it works on both 2 mtr as well as 70cm.

73 de KCØJPO/AFA8JP
John Murphy

"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

Personal Email: <mailto:jmurphy7411@gmail.com> jmurphy7411@...

From: ham-antennas@...m [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, November 02, 2014 1:32 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Diamond rh-770 HT Antenna

I would guess that it works also on 70 cm when fully extended (3/4 wave)

D9bfc

Sigi

Ps ... any chance to measure with an swr metre??

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 2. November 2014 20:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Diamond rh-770 HT Antenna
>
>
>
> I have searched and searched trying to find info on this antenna. I know
> you would fully extend the antenna for 2 meter but do you have to lower it

> for 70 cm? I have a smiley antenna and you do raise and lower it for the
> different bands. Any help would be appreciated.
>
>

34575. Re: [ham-antennas] Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-02 20:58:35 UTC
From: dave ammerman
Topic: 34571 Message: 34575

I do think you are right about fully extending it for both bands. Thanks for your help.

On Sunday, November 2, 2014 2:54 PM, "'John Murphy' jmurphy7411@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I found this on Diamond’s website:
http://www.diamond-ant.co.jp/english/amateur/antenna/ante_3hand/ante_hand1.html
H770: 144/430MHz(2m/70cm)Length:93cm (retracted 22.3cm) 10 stages / Weight:85g
Gain:3.0dB(144MHz),5.5dB(430MHz) / Max.power rating:20W FM
Impedance:50ohms / VSWR:Less than 1.5:1 / Connector:BNC-P
Type:1/2wave radialless(144MHz),2x5/8wave radialless(430MHz),300MHz receiving only Seems to me that fully extended it works on both 2 mtr as well as 70cm. 73 de KCØJPO/AFA8JP
John Murphy"When all else fails...Amateur Radio"PIO Adams County (CO)
ARESARES/RACES/AFMARS Nothwest Area, Region 8Personal Email: jmurphy7411@gmail.com
From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, November 02, 2014 1:32 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Diamond rh-770 HT Antenna I would guess that it works also on 70 cm when fully extended (3/4 wave)

D9bfc

Sigi

Ps ... any chance to measure with an swr metre??

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 2. November 2014 20:25
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Diamond rh-770 HT Antenna
>
>
>
> I have searched and searched trying to find info on this antenna. I know
> you would fully extend the antenna for 2 meter but do you have to lower it
> for 70 cm? I have a smiley antenna and you do raise and lower it for the
> different bands. Any help would be appreciated.
>
>

34576. RE: [ham-antennas] Re: S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-03 05:57:07 UTC
From: JO VR2YQK
Topic: 34546 Message: 34576

HI Nick,

Thats awesome, and if you have any photos to share?

Jo VR2YQK

2014/11/1 上午11:54 於 "w3nrl w3nrl@msn.com [ham-antennas]" <ham-antennas@yahoogroups.com> 寫道：

Sir,

I used a fiberglass which 30 feet and wrapped 12 gauge wire around in an upward spiral from bottom to top then 2 top hats 82 feet, then about 3500 feet of counterpoint vary in lengths from 8 feet to 70 feet. I know this is over kill but I had fun. Anyway my logbook says it all.

Just my little project

Have fun

Best of 73

Good do

W3nrl

Nick

Sent from my Samsung Galaxy Tab®4

-------- Original message --------
From: "A email4utoo@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
Date:10/31/2014 12:53 (GMT-05:00)
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: S9V31 as a dedicated 40M antenna

Greetings, i spoke to one fellow who prompted me to hook up a Top Hat to increase efficiency , but he i believe attached it lower than the top , what i am presenting is research this for an optimum Vertical since you are going to the trouble anyways- try couple of methods and then you will be very satisfied by your own results - also consider raising it to the Full 43-45' with a simple pipe mast ,like Top Fence pipe mast, Galvanized, Aluminum, or Heavy Fiberglass mast like the Military units, it is only another 12-14' , and if you already raised it some then even less , yes extend the wire . Sloped Radials use 14-18 ga wire ,(no need to waste copper i have read about OMs using 20ga), i tried 22ga no go ! I also tried a Petoway Coil , they are not fun to wind ! hihi. I also installed next to our Metal Roof covered Qth, on Rcv ok but no one heard me ! Now i am using an OCF 138 ft Dipole up about 25-30 , VERY Good Results ! on 40m Barefoot Xcvr, DX to Italy , Cuba, So America, Germany , yes some during Sunstorm about a month ago, i hear and speak with the Ozies frequently as well . My interest is not DX but Nets, and emergency

fast implementation ,that is why i got the SV31' ,also for portable Fun. Do let us know the Results, for now i am planning a very large Loop , will be hard to beat the OCF performance and i have the most of the QSL cards to prove it , hihi.

73s, AJ W5HEH

34577. AW: AW: [ham-antennas] Diamond rh-770 HT Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-03 08:56:26 UTC
From: siegfried jackstien
Topic: 34571 Message: 34577

Ahh .. i just looked for specs

It is 2x 5/8 on 70 and halfwave on 2m

I did not know that is has a centre coil

Yepp fully extended for both bands

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 2. November 2014 20:45
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Diamond rh-770 HT Antenna
>
>
>
> I dont have a way to connect it to a swr meter, I had thought about that
> too.
>
>
> On Sunday, November 2, 2014 2:34 PM, "'siegfried jackstien'
> siegfried.jackstien@freenet.de [ham-antennas]" <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
> I would guess that it works also on 70 cm when fully extended (3/4 wave)
>
> D9bfc
>
> Sigi
>
> Ps ... any chance to measure with an swr metre??
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Sonntag, 2. November 2014 20:25
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Diamond rh-770 HT Antenna
> >
> >

> >
> > I have searched and searched trying to find info on this antenna. I know
> > you would fully extend the antenna for 2 meter but do you have to lower
> it
> > for 70 cm? I have a smiley antenna and you do raise and lower it for the
> > different bands. Any help would be appreciated.
> >
> >
>
>
>
>
>
>

34578. Re: [ham-antennas] Re: S9V31 as a dedicated 40M antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-03 11:51:41 UTC
From: Rich Schmuke
Topic: 34546 Message: 34578

I have a made a portable 40 vertical for field day, I used EMT and did a guy wire support at 20ft, a short section of smaller EMT then a old CB fiberglass whip at the top with a black band marking for CW or SSB where the smaller EMT slid into the larger. A 1" wooden dowel rod does a good job of help keeping the joint stiff . I also ran this as a full size vertical on top of my pole barn.

http://s1102.photobucket.com/user/KD0ZZ/library/40M%20vertical

Rich, KdØzz

On Sun, Nov 2, 2014 at 11:57 PM, JO VR2YQK vr2yqk@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> HI Nick,
>
> Thats awesome, and if you have any photos to share?
>
> Jo VR2YQK
> 2014/11/1 上午11:54 於 "w3nrl w3nrl@... [ham-antennas]" <
> ham-antennas@yahoogroups.com> 寫道：
>
>
>
> Sir,
> I used a fiberglass which 30 feet and wrapped 12 gauge wire around in an
> upward spiral from bottom to top then 2 top hats 82 feet, then about 3500
> feet of counterpoint vary in lengths from 8 feet to 70 feet. I know this
> is over kill but I had fun. Anyway my logbook says it all.
> Just my little project
> Have fun
> Best of 73
> Good do
> W3nrl
> Nick
>
>
>
>
> Sent from my Samsung Galaxy Tab®4
>
>
> -------- Original message --------

> From: "A email4utoo@... [ham-antennas]" <
> ham-antennas@yahoogroups.com>
> Date:10/31/2014 12:53 (GMT-05:00)
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Re: S9V31 as a dedicated 40M antenna
>
>
>
> Greetings, i spoke to one fellow who prompted me to hook up a Top Hat to
> increase efficiency , but he i believe attached it lower than the top ,
> what i am presenting is research this for an optimum Vertical since you are
> going to the trouble anyways- try couple of methods and then you will be
> very satisfied by your own results - also consider raising it to the Full
> 43-45' with a simple pipe mast ,like Top Fence pipe mast, Galvanized,
> Aluminum, or Heavy Fiberglass mast like the Military units, it is only
> another 12-14' , and if you already raised it some then even less , yes
> extend the wire . Sloped Radials use 14-18 ga wire ,(no need to waste
> copper i have read about OMs using 20ga), i tried 22ga no go ! I also
> tried a Petoway Coil , they are not fun to wind ! hihi. I also installed
> next to our Metal Roof covered Qth, on Rcv ok but no one heard me ! Now i
> am using an OCF 138 ft Dipole up about 25-30 , VERY Good Results ! on 40m
> Barefoot Xcvr, DX to
> Italy , Cuba, So America, Germany , yes some during Sunstorm about a month
> ago, i hear and speak with the Ozies frequently as well . My interest is
> not DX but Nets, and emergency fast implementation ,that is why i got the
> SV31' ,also for portable Fun. Do let us know the Results, for now i am
> planning a very large Loop , will be hard to beat the OCF performance and i
> have the most of the QSL cards to prove it , hihi.
>
> 73s, AJ W5HEH
>
>
>

34579. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-03 20:37:13 UTC
From: schwartzj22@...
Topic: 34284 Message: 34579

To all and Andy,

Does any one have a 4nec2 model file (or EZNEC) for the G7FEK antenna?
This is not a routine wire antenna to model.

any help is appreciated,
Joel - N3GSE

34580. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 03:17:46 UTC
From: kenf01@...
Topic: 34284 Message: 34580

Check this link: 80m Antenna for small gardens | G7FEK Amateur Radio
http://www.g7fek.co.uk/blogus/newsshow.php?page=80m_Antenna_for_small_gar_49493

80m Antenna for small gardens | G7FEK Amateur Radio
http://www.g7fek.co.uk/blogus/newsshow.php?page=80m_Antenna_for_small_gar_49493 Comment by 'Bob,KF7WMM' on 31 Aug 2014 - comment

View on www.g7fek.co.uk
http://www.g7fek.co.uk/blogus/newsshow.php?page=80m_Antenna_for_small_gar_49493
Preview by Yahoo

There is a link to the files.

Ken W3CAT

34581. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 16:10:38 UTC
From: schwartzj22@...
Topic: 34284 Message: 34581

Thanks Ken,

I studied all G7FEK's info. In the EZNEC file I saw that in wire 6 he put in an impedance of 20 ohms of resistance and zero reactance. This is at the feedpoint. I've not seen this before. Any idea what this is?

Tks,
Joel - N3GSE

34582. AW: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 16:12:41 UTC
From: siegfried jackstien
Topic: 34284 Message: 34582

Ground loss?!?

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 4. November 2014 16:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: cheap & easy 80 meter
>
>
>
> Thanks Ken,
>
> I studied all G7FEK's info. In the EZNEC file I saw that in wire 6 he put
> in an impedance of 20 ohms of resistance and zero reactance. This is at
> the feedpoint. I've not seen this before. Any idea what this is?
>
>
> Tks,
> Joel - N3GSE
>
>

34583. Re: AW: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 17:27:16 UTC
From: Keith Heimbold
Topic: 34284 Message: 34583

Wow that is a really cool looking antenna. I think I will give it a shot.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 4, 2014, at 8:15 AM, "'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Ground loss?!?
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Dienstag, 4. November 2014 16:11
> > An: ham-antennas@yahoogroups.com
> > Betreff: [ham-antennas] Re: cheap & easy 80 meter
> >
> >
> >
> > Thanks Ken,
> >
> > I studied all G7FEK's info. In the EZNEC file I saw that in wire 6 he put
> > in an impedance of 20 ohms of resistance and zero reactance. This is at
> > the feedpoint. I've not seen this before. Any idea what this is?
> >
> >
> > Tks,
> > Joel - N3GSE
> >
> >
>
>

34584. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 17:42:11 UTC
From: Don Sanders
Topic: 34284 Message: 34584

Possibly ground looses cause lower impedance since he uses only one 65 foor above ground radial. With a ground screen 1 meter wide and 30 to 40 foot long, 2 pieces crossed at center under the antenna vertical plus a couple lomg wire radials the impedance should be higher and less ground losses. This is the same with most verticals.
If you wanted to use it with out the ground screen and tuner, or only the internal tuner, the impedance can be matched better with a 1/4 wave of 75 ohm line between the base and the 50 ohm line. This will bring the 20 ohms to nearly 40 ohms. Most transmitters can live with that.

Dr Don HC4/W4BWS

Dr. Don W4BWS

On Tue, Nov 4, 2014 at 11:10 AM, schwartzj22@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Thanks Ken,
>
> I studied all G7FEK's info. In the EZNEC file I saw that in wire 6 he put
> in an impedance of 20 ohms of resistance and zero reactance. This is at the
> feedpoint. I've not seen this before. Any idea what this is?
>
> Tks,
> Joel - N3GSE
>
>
>

34585. AW: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 17:48:40 UTC
From: siegfried jackstien
Topic: 34284 Message: 34585

You should use 2 75 ohms in parallel ... THAT would bring 20 ohms in the 50 ohms range

Dg9bfc

Sigi

Ps 1/4 wave 75 is used to transform 100 to 50 (butternut on 20m is an example)

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 4. November 2014 17:42
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: cheap & easy 80 meter
>
>
>
> Possibly ground looses cause lower impedance since he uses only one 65
> foor above ground radial. With a ground screen 1 meter wide and 30 to 40
> foot long, 2 pieces crossed at center under the antenna vertical plus a
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> Dr Don HC4/W4BWS
>
> Dr. Don W4BWS
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> On Tue, Nov 4, 2014 at 11:10 AM, schwartzj22@... [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
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> he put in an impedance of 20 ohms of resistance and zero reactance. This
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>
> Tks,
> Joel - N3GSE
>
>
>
>
>

34586. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 17:56:22 UTC
From: schwartzj22@...
Topic: 34284 Message: 34586

I think I am missing something really fundamental. I never put an impedance in at the antenna. I just run the model and it determines the impedance at the antenna.

I still do not understand why this model puts a resistive impedance in at the source.
At first I thought it was an impedance to simulate a balun to curb common mode but not just 20 ohms. It is must be there for some other reason.

Tks,
Joel - N3GSE

34587. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 18:16:18 UTC
From: kenf01@...
Topic: 34284 Message: 34587

Joel and others,

Any thoughts about a shortened version of this antenna for use on 40 and up?

Ken W3CAT

34588. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 18:45:29 UTC
From: schwartzj22@...
Topic: 34284 Message: 34588

Ken,

I don't know about a shortened version of this antenna but thee are other really good ones for 40 and up.

A simple 69.5 foot dipole fed with 450 ohm ladder line or fed with really good low loss coax as an OCF with a 60/40 split.

Joel - N3GSE

34589. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-04 18:48:43 UTC
From: Don Sanders
Topic: 34284 Message: 34589

What?? Shortened? Do you mean shorter than 24 to 27 feet?

Well the original idea was to have an antenna for 80 in a small garden. So when it worked he added 40. You can have 40 to 10 without 80 if desired. Just replace the 80 with a 30 meter wire and add a 20 and 17 meter wires supported by the upper wires.

If you want a 20 to 10 antenna vertical, I just finished an offcenter fed vertical that does well 20 to 10. The vertical is a 7 meter 1 inch aluminum curtain pole and at the base I have 1 inch PVC 3 meter long and a 3/4 inch 3 meter pvc in each end. They support 14 foot horizontal wires. The horizontal wires connect to the coax shield and the coax center connects to the vertical aluminum.
I use 75 ohm TV coax and the LDG 100 PRO tuner. With it mounted with the horiz wires 2 foot off ground I get fantastic reports on 15, 12 and 10. 20 works well and perhaps better when I raise it to 3 meters above ground. 17 meters is high SWR so I will add a second vertical wire for 17 and try that. More work is needed to find the best compromise lengths of the horiz wires but I'm close.

Dr Don HC4/W4BWS

Dr. Don W4BWS

On Tue, Nov 4, 2014 at 1:16 PM, kenf01@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Joel and others,
>
> Any thoughts about a shortened version of this antenna for use on 40 and
> up?
>
> Ken W3CAT
>
>
>

34590. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-05 02:59:39 UTC
From: schwartzj22@...
Topic: 34284 Message: 34590

Sigi and all others,

I think I see the light. The 20 ohms inserted in the EZNEC model for the G7FEK wire #6 that goes to ground is there to simulate the ground being lossy to the tune of 20 ohms. Doing this would give a more realistic model result then if the 20 ohms were not present. If the 20 ohms were not present I think the model would be using zero ohms ground resistance which would be a perfect ground. Is the choice of 20 ohms just a guess at the ground resistance or is there more to it?

Am I correct about all this?

Tks,
Joel - N3GSE

34591. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-05 04:52:37 UTC
From: Myron WVØH
Topic: 34284 Message: 34591

Joel,

I believe that is the best explanation so far. (You've hit the nail on the head). But it may not matter as the accuracy of the model will be severely limited by the inability to model that piece of 450 Ω window line carrying unequal currents by virtue of unequal antenna lengths attached to it. True, the bottom two wires are shorted together but they diverge as you go up. You can't put in a TL in there because that assumes equal currents, (unequal phase progression here in this design). You can't place two wires next to each other, because that will cause erroneous results. So this may not be modeled accurately with any NEC version, a known limitation. I've tried to model adjacent, close spaced wires in the past and usually end up in frustration, at least with my version of EZNEC+ 4.something.

But all is not lost. Taking what we have learned from our past experience we can usually predict how that antenna may act. On 80, it's somewhat short and short antennas usually end up having a fairly low input Z, and if mounted low, an NVIS radiator with a reduced efficiency because of the proximity to earth and heating of associated worms. There will be radiation from all parts of that antenna without a Guanella balun reducing common mode and forcing equal currents up/down the feedline. And since there is asymmetry to the whole works, there will be lobes and nulls galore on the higher bands. We can do better with a more symmetrical antenna by saving that window line for a better purpose to feed some sort of a doublet arrangement and concentrate on getting it as high as possible.

Myron WVØH
Printed on Recycled Data

> On Nov 4, 2014, at 7:59 PM, schwartzj22@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Sigi and all others,
>
> I think I see the light. The 20 ohms inserted in the EZNEC model for the G7FEK wire #6 that goes to ground is there to simulate the ground being lossy to the tune of 20 ohms. Doing this would give a more realistic model result then if the 20 ohms were not present. If the 20 ohms were not present I think the model would be using zero ohms ground resistance which would be a perfect ground. Is the choice of 20 ohms just a guess at the ground resistance or is there more to it?
>
> Am I correct about all this?
>
> Tks,
> Joel – N3GSE
>
>

34592. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-05 15:55:24 UTC
From: schwartzj22@...
Topic: 34284 Message: 34592

Myron,

Yes the EZNEC model when converted to 4nec2 has problems when it is run. I am taking a shot at modifying the model and have now got it to run with no segmentation errors and no warnings.

What looks like 450 ohm ladder line I have correctly spaced as just normal antenna wire so there is no error associated with wires being too close. And the segmentation is now correct for 4nec2. There is still a problem with the average gain test and with the convergence test. I am not sure I can correct this but I am still trying.

The antenna efficiency is low (35%) and the radiation efficiency is even lower (16%). This antenna does indeed model as a vertical antenna with ground being very important. On 80M however, this space saving antenna does well with its low angle of radiation. I agree with you about other antennas so I just might not finish with my modeling mods for this antenna.

Tks,
Joel - N3GSE

34593. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-05 18:53:41 UTC
From: Myron WVØH
Topic: 34284 Message: 34593

Joel,

I know about the average gain test but hadn't heard about the "convergence test" (or if I did, I quickly forgot). Did Cebik talk about this in his 4 month write up in QST back in 2000/2001?

Myron WVØH
Printed on Recycled Data

> On Nov 5, 2014, at 8:55 AM, schwartzj22@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> the average gain test and with the convergence test.

34594. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-05 21:13:11 UTC
From: schwartzj22@...
Topic: 34284 Message: 34594

Myron,

It's in Cebik's Part 4 QST Feb 2001. I am not sure if the Conv test shows there is a problem with the antenna structure or it exceeds the limitations of the NEC core. The Conv test is in the Optimizer section.

Tks,
Joel - N3GSE

34595. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 17:40:44 UTC
From: farrerfolks@...
Topic: 34284 Message: 34595

Maybe a silly question Joel, but what is the convergence test suppose to show?? Thanks.

Mel, K6KBE

34596. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 18:39:52 UTC
From: schwartzj22@...
Topic: 34284 Message: 34596

Mel,

I am not an expert at this. Background is chemistry and all this stuff is for pure fun. From what I read, the convergence test runs the model at increasing number of segments. If the model is a good one, there should be little difference in the results from the runs.

I have modified the EZNEC file that G7FEK provides which I converted to a .NEC file and it runs without errors and both the AGT and convergence test look good.

Interesting that the first run before modification and with all the errors when run with 4nec2 has pretty much the same results compared to the run with my modified and error free .NEC file. For me it was a good exercise in learning.

Tks,
Joel - N3GSE

34597. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 18:54:12 UTC
From: Mel Farrer
Topic: 34284 Message: 34597

Thanks, Is this something the result difference you get from running high accuracy vs MIMNEC? I find a big difference near ground and non >1/2 w/l AGL

Mel, K6KBE

From: "schwartzj22@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 6, 2014 10:39 AM
Subject: [ham-antennas] Re: cheap & easy 80 meter

Mel,
I am not an expert at this. Background is chemistry and all this stuff is for pure fun.
From what I read, the convergence test runs the model at increasing number of segments. If the model is a good one, there should be little difference in the results from the runs.
I have modified the EZNEC file that G7FEK provides which I converted to a .NEC file and it runs without errors and both the AGT and convergence test look good.
Interesting that the first run before modification and with all the errors when run with 4nec2 has pretty much the same results compared to the run with my modified and error free .NEC file. For me it was a good exercise in learning.
Tks,Joel - N3GSE

34598. Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 21:22:36 UTC
From: Jim Upson
Topic: 34598 Message: 34598

Hi ..... my first time posting...and a relative newbie.....I am in need of making the most efficient trap dipole possible (QRP operating). I am thinking that I'll build the following to fit into 30 foot inverted-v configuration:

A) one trapped dipole to work 20/40 meters....
B) and another trapped dipole for 17/30 meters....

So I would appreciate your input regarding what trap/coil type is the MOST efficient (lowest losses) to make....and which, if any, are not even appropriate for my multi-band trap dipoles. The one's I am aware of are:

1) wire coils/traps.....such as: Phil Salas Build your own coils <http://www.ad5x.com/images/Articles/CoilRevB.pdf> , or Unadilla pre-made traps <http://www.unadilla.com/pricelist/traps>
2) wire traps..... such as: Phil Salas 12/17 Trap Dipole <http://www.ad5x.com/images/Articles/Trap%20Dipole%201217RevA.pdf>
3) coax wound ..... either single or 2 coaxes wound together <http://9k2ra.net/wp-content/uploads/2011/12/Trap-Dipole-Antenna.pdf>
4) close wound magnet wire.....as found on Alpha-Delta DX-ee <http://www.alphadeltacom.com/pg1.html> or MFJ-17754 <http://www.mfjenterprises.com/Product.php?productid=MFJ-17754>

My GUESS is that the most efficient are in order shown above...e.g., wire coils, wire traps, coax traps, magnet wire traps....But...I have no idea....

Can you provide insight or better solutions?

Requirements: attic only (30x60)....only 18 feet off-ground....so I know DX will be compromised...but doable. I noted that the DX-ee and MFJ-17754 will fit in a manner that perfectly aligns NE/SW from Delaware....(my house front points due north). I know....I know...not the greatest scenario....hence my request for your help...what will be most efficient.

73, Jim, K3JRU

34599. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 21:36:09 UTC
From: James Bennett
Topic: 34598 Message: 34599

Jim -

Have you considered making a doublet? No need for lossy traps. Multi-band in ONE antenna wire. Make the two legs as long as possible, but equal in length, run a short length of coax from the back of your radio to a 1:1 or 4:1 balun, and then ladder line (450-ohm stuff works fine) to the apex of the antenna. The only requirement is that you need a tuner; either an external tuner, or one built into the radio, which most rigs have these days. I think you'd be quite pleased with the results. I've used one here at this QTH for the past four years; have managed to complete 8BWAS (eight band worked all states), and countless DX countries. Granted, my antenna is longer (88 feet) and higher (45 feet), but you'll have no problem making a lot of QSO's with one of these antennas.

Just my 2-centavos worth.

73, Jim / W6JHB
Folsom, CA

> On Thursday, Nov 6, 2014, at Thursday, 1:22 PM, Jim Upson jim72upson@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> Hi ..... my first time posting...and a relative newbie.....I am in need of making the most efficient trap dipole possible (QRP operating). I am thinking that I'll build the following to fit into 30 foot inverted-v configuration:
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> 2) wire traps..... such as: Phil Salas 12/17 Trap Dipole <http://www.ad5x.com/images/Articles/Trap%20Dipole%201217RevA.pdf>
> 3) coax wound ..... either single or 2 coaxes wound together <http://9k2ra.net/wp-content/uploads/2011/12/Trap-Dipole-Antenna.pdf>
> 4) close wound magnet wire.....as found on Alpha-Delta DX-ee <http://www.alphadeltacom.com/pg1.html> or MFJ-17754 <http://www.mfjenterprises.com/Product.php?productid=MFJ-17754>
>
> My GUESS is that the most efficient are in order shown above...e.g., wire coils, wire traps, coax traps, magnet wire traps....But...I have no idea....
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> Can you provide insight or better solutions?
>
> Requirements: attic only (30x60)....only 18 feet off-ground....so I know DX will be compromised...but doable. I noted that the DX-ee and MFJ-17754 will fit in a manner that perfectly aligns NE/SW from Delaware....(my house front points due north). I know....I know...not the greatest scenario....hence my request for your help...what will be most efficient.
>
> 73, Jim, K3JRU
>
>

34600. Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-06 23:30:54 UTC
From: schwartzj22@...
Topic: 34284 Message: 34600

Mel,

My modifications were basically minor just to get 4nec2 to get no errors. So the comparison I referred to was for g7fek's posted file on his website converted to 4nec2 which gave errors vs. this converted file, which I modified and then got no errors.

I did not do other comparisons such as big changes in height, etc.

Tks,
Joel - N3GSE

34601. Re: Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 00:31:30 UTC
From: soona4sail@...
Topic: 34598 Message: 34601

I agree with James. The best bang for your buck will definitely be the doublet antenna. It is a simple, all band antenna, that will not break the bank.....and it works extremely well. Check out the plans on this ham universe website. Good luck.

The All Band HF Doublet - 80 thru 10 Meter Ladder Line Multiband Antenna
http://www.hamuniverse.com/hfdoublet.html

http://www.hamuniverse.com/hfdoublet.html

The All Band HF Doublet - 80 thru 10 Meter Ladder Line M...
http://www.hamuniverse.com/hfdoublet.html Shown with standard TV type 300 ohm ribbon line Details and construction

View on www.hamuniverse.com http://www.hamuniverse.com/hfdoublet.html
Preview by Yahoo

73 John

34602. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 00:52:12 UTC
From: Don Sanders
Topic: 34598 Message: 34602

I also agree with James. The doublet fed with 450 or 300 ohm line from a balun and coax to you transceiver is most efficient antenna. I have used them for 60 years. If your space is 60 feet long, make the antenna 60 to 70 feet long, then bend the last couple feet on each end and you wont know it is not straight.
Make the apex high in the center and drop ends to the corners of the space.
You may find a band that has trouble loading and may need a 1 to 1 balun, ugly balun or other, for that band or maybe 2.
Ypur fortunate as many dont have that much space.

Don HC4/W4BWS

Dr. Don W4BWS

On Thu, Nov 6, 2014 at 4:36 PM, James Bennett w6jhb@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Jim -
>
> Have you considered making a doublet? No need for lossy traps. Multi-band
> in ONE antenna wire. Make the two legs as long as possible, but equal in
> length, run a short length of coax from the back of your radio to a 1:1 or
> 4:1 balun, and then ladder line (450-ohm stuff works fine) to the apex of
> the antenna. The only requirement is that you need a tuner; either an
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> Just my 2-centavos worth.
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> 73, Jim / W6JHB
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> jim72upson@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
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> Hi ..... my first time posting...and a relative newbie.....I am in need
> of making the most efficient trap dipole possible (QRP operating). I am
> thinking that I'll build the following to fit into 30 foot inverted-v

> configuration:
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> A) one trapped dipole to work 20/40 meters....
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> efficient (lowest losses) to make....and which, if any, are not even
> appropriate for my multi-band trap dipoles. The one's I am aware of are:
>
> 1) wire coils/traps.....such as: Phil Salas Build your own coils
> <http://www.ad5x.com/images/Articles/CoilRevB.pdf> , or Unadilla pre-made
> traps <http://www.unadilla.com/pricelist/traps>
> 2) wire traps..... such as: Phil Salas 12/17 Trap Dipole
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> 3) coax wound ..... either single or 2 coaxes wound together
> <http://9k2ra.net/wp-content/uploads/2011/12/Trap-Dipole-Antenna.pdf>
> 4) close wound magnet wire.....as found on Alpha-Delta DX-ee
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> My GUESS is that the most efficient are in order shown above...e.g., wire
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> DX will be compromised...but doable. I noted that the DX-ee and MFJ-17754
> will fit in a manner that perfectly aligns NE/SW from Delaware....(my house
> front points due north). I know....I know...not the greatest
> scenario....hence my request for your help...what will be most efficient.
>
> 73, Jim, K3JRU
>
>
>
>

34603. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 05:15:26 UTC
From: jim72upson@...
Topic: 34598 Message: 34603

Thank you all for your replies....!! I do appreciate your insight.

Actually I also was planning to put up a doublet...and then do a/b comparison with the traps....as part of my self-imposed 'training'.....I found very encouraging blogs about using Alpha-Delta DX-ee in ranch style house attics like mine....so I thought I'd try to make my own version....

> With that said....do you know if one of the 4 various coils/traps is superior to the rest?
1) wire coils/traps.....such as: Phil Salas Build your own coils
http://www.ad5x.com/images/Articles/CoilRevB.pdf , or Unadilla pre-made traps
http://www.unadilla.com/pricelist/traps
2) wire traps..... such as: Phil Salas 12/17 Trap Dipole
http://www.ad5x.com/images/Articles/Trap%20Dipole%201217RevA.pdf
3) coax wound ..... either single or 2 coaxes wound together
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4) close wound magnet wire.....as found on Alpha-Delta DX-ee
http://www.alphadeltacom.com/pg1.html or MFJ-17754
http://www.mfjenterprises.com/Product.php?productid=MFJ-17754

> Regarding doublets....my plan was to install it as an inverted-L....e.g., with half of it either vertical or sloping, and the other half running horizontal across the peak of my roof line..18-feet above ground.....FYI...it was going to be a 44' doublet....e.g., two 22' sections from the feed-point. With it inverted L, it will mean the feed-line will run ~45-degrees away from the feed-point vs. the normal 90-degrees....OR....should I just run it horizontal?

Well...thanks again for any insight you have to either the trap/coil question and/or the doublet question.

73, Jim K3JRU

34604. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 05:55:02 UTC
From: Alex Netherton
Topic: 34598 Message: 34604

Most hams these days don't liket traps. They are lossy, narrow band, heavy, aggravating to make, and can be expensive, to name a few. A true doublet fed with balanced line is low loss, wide band, and very efficient. The doublet begins to have directional characteristics past half wave. The only loss in the system is in the tuner, and that is minimal.

73
W5ALX
On Nov 7, 2014 12:15 AM, "jim72upson@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Thank you all for your replies....!! I do appreciate your insight.
>
> Actually I also was planning to put up a doublet...and then do a/b
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> > With that said....do you know if one of the 4 various coils/traps is
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> 1) wire coils/traps.....such as: Phil Salas Build your own coils
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> traps <http://www.unadilla.com/pricelist/traps>
> 2) wire traps..... such as: Phil Salas 12/17 Trap Dipole
> <http://www.ad5x.com/images/Articles/Trap%20Dipole%201217RevA.pdf>
> 3) coax wound ..... either single or 2 coaxes wound together
> <http://9k2ra.net/wp-content/uploads/2011/12/Trap-Dipole-Antenna.pdf>
> 4) close wound magnet wire.....as found on Alpha-Delta DX-ee
> <http://www.alphadeltacom.com/pg1.html> or MFJ-17754
> <http://www.mfjenterprises.com/Product.php?productid=MFJ-17754>
>
>
> > Regarding doublets....my plan was to install it as an
> inverted-L....e.g., with half of it either vertical or sloping, and the
> other half running horizontal across the peak of my roof line..18-feet
> above ground.....FYI...it was going to be a 44' doublet....e.g., two 22'
> sections from the feed-point. With it inverted L, it will mean the
> feed-line will run ~45-degrees away from the feed-point vs. the normal
> 90-degrees....OR....should I just run it horizontal?
>
>
> Well...thanks again for any insight you have to either the trap/coil

> question and/or the doublet question.
>
> 73, Jim K3JRU
>
>

34605. Re: Traps / Coils / Cheap 80mt antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 09:21:56 UTC
From: jc_2aussie
Topic: 34605 Message: 34605

I used a doublet for sevral years in a very small yard 36ft x 45ft, invarious configurations, and while id did reasonably well on 80mt it was not as efficient on highr bands . The doublet was 140ft approimatly and 20 ft above ground fed with open line feeder, but no balun (this may have been the cause of the inefficiency)
I now have a 150ft loop with open line feed and a balun, i can now get the USA on 40mt band when the band opens up , .
My advice is to experiment, and see what suits your location , and needs the best.

My 2cents worth.
Jeff
VK4FNRS

Sent from Samsung tablet

34606. Re: Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 09:40:21 UTC
From: jmcd904@...
Topic: 34598 Message: 34606

I have B&W traps for 20,40. and 80 the rest will be tune able

34607. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 13:45:21 UTC
From: Myron WVØH
Topic: 34598 Message: 34607

Jim,

Yes, do experiment. Don't let ham-lore stop you from building traps and the like. Most hams shun traps but yet swear by an end fed half wave antenna and yet they are, component wise, identical. Anytime you parallel a capacitor and inductor to create an end fed situation you have exactly the same combination of components that comprise a trap.

And contrary to popular belief the higher the trap Q the broader the SWR for the antenna.

I've had success building 20m QRP traps out of T50-6 cores and 500V silver mica caps. Your |Z|=Q*XL, meaning you get higher trap impedance (and Q) by maximizing the inductive reactance for a given resonant frequency. In my situation on 20m, that means having an inductance of around 3-4μH for a 30-40pF capacitance. But you are limited by the ability to get a high Q inductor with the core material and size. Usually the trap Q is limited by the inductor Q but in the case of the Unadilla traps it may be the other way around. I'm currently analyzing why those traps are poor performers. It could be that there is a chunk of aluminum extending through the center of the coil or the low Q capacitor formed by shoving two tubes of aluminum together with unknown dielectric cemented together with lossy epoxy, I am not sure why but they should have much higher Q than they exhibit. And that's another thing, you rally need a Q meter or impedance analyzer to know what the Q of a component is doing. Network analyzers, antenna analyzers and the like favor impedances near 50 Ω thus cannot accurately characterize high Q components, but impedance analyzers are built to provide accurate readings at impedance extremes. Lots of info on impedance analyzers on the Agilent (er, Keysight) website.

A trap can exhibit good performance if designed properly but unfortunately there are many designs out there that are not.

Myron WVØH
Printed on Recycled Data

> On Nov 6, 2014, at 10:55 PM, Alex Netherton anetherton@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Most hams these days don't liket traps. They are lossy, narrow band, heavy, aggravating to make, and can be expensive, to name a few. A true doublet fed with balanced line is low loss, wide band, and very efficient. The doublet begins to have directional characteristics past half wave. The only loss in the system is in the tuner, and that is minimal.
>
> 73
> W5ALX
>
>> On Nov 7, 2014 12:15 AM, "jim72upson@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> Thank you all for your replies....!! I do appreciate your insight.
>>
>> Actually I also was planning to put up a doublet...and then do a/b comparison with the traps....as part of my self-imposed 'training'.....I found very encouraging blogs about

using Alpha-Delta DX-ee in ranch style house attics like mine....so I thought I'd try to make my own version....
>>
>> > With that said....do you know if one of the 4 various coils/traps is superior to the rest?
>> 1) wire coils/traps.....such as: Phil Salas Build your own coils , or Unadilla pre-made traps
>> 2) wire traps..... such as: Phil Salas 12/17 Trap Dipole
>> 3) coax wound ..... either single or 2 coaxes wound together
>> 4) close wound magnet wire.....as found on Alpha-Delta DX-ee or MFJ-17754
>>
>>
>> > Regarding doublets....my plan was to install it as an inverted-L....e.g., with half of it either vertical or sloping, and the other half running horizontal across the peak of my roof line..18-feet above ground.....FYI...it was going to be a 44' doublet....e.g., two 22' sections from the feed-point. With it inverted L, it will mean the feed-line will run ~45-degrees away from the feed-point vs. the normal 90-degrees....OR....should I just run it horizontal?
>>
>>
>> Well...thanks again for any insight you have to either the trap/coil question and/or the doublet question.
>>
>> 73, Jim K3JRU
>
>

34608. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 15:49:18 UTC
From: jim72upson@...
Topic: 34598 Message: 34608

Hummmm... I thought I sent a reply, but can't find it....sorry if this is a duplicate.

Myron..thanks for your reply...I do think it kind-of supports the euphoric responses for people who use the DX-EE trapped antenna...here is one such posting I liked from Mike kb7iuv http://kb7iuv.blogspot.com/2013/12/modifying-alpha-delta-dx-ee-40-20-15-10.html.

I have an AADE L/C IIb http://www.antennex.com/preview/Folder04/Oct501/lcmeter.html meter....will that do the correct measurements as you discussed ?

Thanks again !

73, Jim K3JRU

34609. Re: [ham-antennas] Traps / Coils

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 15:57:46 UTC
From: Mel Farrer
Topic: 34598 Message: 34609

I have another method for making traps. First get the right ratio from the handbook then I make the trap as a series tank and one end to a analyzer the other end to 50 ohms. When the trap is adjusted properly, the analyzer with be 1:1 on frequency. Simple. On the HF bands, I make a series network from the analyzer center terminal to the coil to the cap to a 2 w 50 ohm carbon resistor to shell on the analyzer.

Mel, K6KBE

From: "jim72upson@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 7, 2014 7:49 AM
Subject: Re: [ham-antennas] Traps / Coils

  Hummmm... I thought I sent a reply, but can't find it....sorry if this is a duplicate.
Myron..thanks for your reply...I do think it kind-of supports the euphoric responses for people who use the DX-EE trapped antenna...here is one such posting I liked from Mike kb7iuv.
I have an AADE L/C IIb meter....will that do the correct measurements as you discussed ?
Thanks again !
73, Jim K3JRU

34610. Re: [ham-antennas] Re: cheap & easy 80 meter

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 20:46:57 UTC
From: Keith Heimbold
Topic: 34284 Message: 34610

I put up this antenna today and so far I don't know how it compares to my inverted L which is now the radials for the antenna. It is not tuned well on 40m so I will have to figure that out. So far it is spot on for 30,20, 17, and 10 and tunable with my internal ts590s internal tuner on 80, 40 and 15. I used 28' of ladderline.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 3, 2014, at 7:17 PM, "kenf01@gmail.com [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> Check this link:
>
> 80m Antenna for small gardens | G7FEK Amateur Radio
> 80m Antenna for small gardens | G7FEK Amateur Radio
> Comment by 'Bob,KF7WMM' on 31 Aug 2014 - comment
> View on www.g7fek.co.uk
> Preview by Yahoo
>
>
> There is a link to the files.
>
> Ken W3CAT
>
>

34611. Question for he group

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 21:15:42 UTC
From: John Murphy
Topic: 34611 Message: 34611

I am not new here, having been on this group for about 1 ½ years now, and I have gained some good knowledge. A post did catch my eye, the thread about the cheap & easy 80 meter antenna. Currently I have this up: http://www.hy-gain.com/Product.php?productid=AV-18VS . Yes I know it is not perfect, but HOA□s being what they are, I submitted a request and got permission. Anything is better than nothing to get on the air. The thread about the cheap and easy 80 meter antenna got me to thinking about possibly changing my antenna situation. Here is my idea:

I would like to take about 60 feet of a thin (invisible) wire from the top of my antenna and run it to the front part of my home. The wire would be horizontal, and, I think, that would give me better propagation on 80, 60, and 40 meters. The antenna right now is ground mounted and works ok on 20 & up, but I would like better performance on the three lower bands as well.

My radio is a Kenwood TS-2000 with internal tuner, so currently I have the shorting clip on the coil of the antenna set at the 20 meter position, and it does tune all bands but I was hoping with my idea of getting better performance on the three lower bands.

Any suggestions would be considered and I was hoping someone could give guidance on this idea (at least before I go climbing on the roof to do something that might not be feasible).

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio□s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

34612. Re: [ham-antennas] Question for he group

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 21:21:31 UTC
From: Alex Netherton
Topic: 34611 Message: 34612

How about a Zepp through a more beefy tuner? I use a double Zepp, or Doublet that, rather than wearing myself out, bought from MFJ (MFJ-1777 http://www.mfjenterprises.com/Product.php?productid=MFJ-1777). The Zepp antenna is sort of the original end fed, and can be tuned for any band up from the fundamental.

Alex Netherton
Asheville NC
http://blueridgediscovery.org
Amateur Radio W5ALX
On 11/7/2014 4:16:20 PM, 'John Murphy' jmurphy7411@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I am not new here, having been on this group for about 1 ½ years now, and I have gained some good knowledge. A post did catch my eye, the thread about the cheap & easy 80 meter antenna. Currently I have this up: http://www.hy-gain.com/Product.php?productid=AV-18VS [http://www.hy-gain.com/Product.php?productid=AV-18VS] . Yes I know it is not perfect, but HOA's being what they are, I submitted a request and got permission. Anything is better than nothing to get on the air. The thread about the cheap and easy 80 meter antenna got me to thinking about possibly changing my antenna situation. Here is my idea:

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Any suggestions would be considered and I was hoping someone could give guidance on this idea (at least before I go climbing on the roof to do something that might not be feasible).

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing
GMRS Licensee WQOW801
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USAF Security Police, 1973-84
Owner, Oil Country Radio's
701-421-1134
Business Email: ocr58763@... [mailto:ocr58763@...]
Personal Email: jmurphy7411@gmail.com [mailto:jmurphy7411@...]

34613. RE: [ham-antennas] Question for he group

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 21:33:14 UTC
From: John Murphy
Topic: 34611 Message: 34613

Sorry Alex, don't have the room for 102 ft doublet, otherwise I would put up my full size 80 meter dipole. Did you read the part about HOAs? (Hopefully the HB 4969 will get passed soon, and we can do away with these silly restrictions)..

73 de KC0JPO/AFA8JP

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, November 07, 2014 2:22 PM
To: 'John Murphy' jmurphy7411@... [ham-antennas]
Subject: Re: [ham-antennas] Question for he group

How about a Zepp through a more beefy tuner? I use a double Zepp, or Doublet that, rather than wearing myself out, bought from MFJ (MFJ-1777 http://www.mfjenterprises.com/Product.php?productid=MFJ-1777). The Zepp antenna is sort of the original end fed, and can be tuned for any band up from the fundamental.

Alex Netherton

Asheville NC

http://blueridgediscovery.org

Amateur Radio W5ALX

On 11/7/2014 4:16:20 PM, 'John Murphy' jmurphy7411@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I am not new here, having been on this group for about 1 ½ years now, and I have gained some good knowledge. A post did catch my eye, the thread about the cheap & easy 80 meter antenna. Currently I have this up: http://www.hy-gain.com/Product.php?productid=AV-18VS . Yes I know it is not perfect, but HOA's being what they are, I submitted a request and got permission. Anything is better than nothing to get on the air. The thread about the cheap and easy 80 meter antenna got me to thinking about possibly changing my antenna situation. Here is my idea:

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My radio is a Kenwood TS-2000 with internal tuner, so currently I have the shorting clip on the coil of the antenna set at the 20 meter position, and it does tune all bands but I was hoping with my idea of getting better performance on the three lower bands.

Any suggestions would be considered and I was hoping someone could give guidance on this idea (at least before I go climbing on the roof to do something that might not be feasible).

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
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Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@...

34614. Re: [ham-antennas] Question for he group

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 21:35:25 UTC
From: Ken
Topic: 34611 Message: 34614

Sounds like a good plan to me. Of course since you are feeding against ground, the better ground system or counterpoise you have, the better. Hopefully your HOA isn't concerned about invisible buried wires, is it?

As for your antenna not being "perfect", there is no such thing as a perfect antenna. Even a 4 element 40 or 80m beam isn't a perfect antenna. All antennas are compromises of one sort or another.

73,
Ken WA8JXM

Yes, back eons ago when we lived in an apartment, I had about 200' of 28ga wire strung out the window :)
On Nov 7, 2014, at 4:15 PM, 'John Murphy' jmurphy7411@... [ham-antennas] wrote:

> I am not new here, having been on this group for about 1 ½ years now, and I have gained some good knowledge. A post did catch my eye, the thread about the cheap & easy 80 meter antenna. Currently I have this up: http://www.hy-gain.com/Product.php?productid=AV-18VS . Yes I know it is not perfect, but HOA’s being what they are, I submitted a request and got permission. Anything is better than nothing to get on the air. The thread about the cheap and easy 80 meter antenna got me to thinking about possibly changing my antenna situation. Here is my idea:
>
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>
> My radio is a Kenwood TS-2000 with internal tuner, so currently I have the shorting clip on the coil of the antenna set at the 20 meter position, and it does tune all bands but I was hoping with my idea of getting better performance on the three lower bands.
>

34615. Re: [ham-antennas] Question for he group

Yahoo group: ham-antennas (2014)
Date: 2014-11-07 22:09:47 UTC
From: Mel Farrer
Topic: 34611 Message: 34615

John,
 What you propose can be considered an end fed Marconi. Does not need to be resonant with the coil at the bottom to make up the difference. I regularly use a trailer tongue mounted 33' vertical with a coil and when the situation presents itself, add random wire to the top. In the trailer park everyone sees the vertical but not the extra #18 gray bare nickle plated wire. Sneaky but works MUCH better on the low bands. Give it a try.

Mel, K6KBE

From: "'Alex Netherton' anetherton@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "'John Murphy' jmurphy7411@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: Friday, November 7, 2014 1:21 PM
Subject: Re: [ham-antennas] Question for he group

  How about a Zepp through a more beefy tuner? I use a double Zepp, or Doublet that, rather than wearing myself out, bought from MFJ (MFJ-1777 http://www.mfjenterprises.com/Product.php?productid=MFJ-1777). The Zepp antenna is sort of the original end fed, and can be tuned for any band up from the fundamental.
Alex NethertonAsheville NChttp://blueridgediscovery.orgAmateur Radio W5ALX
On 11/7/2014 4:16:20 PM, 'John Murphy' jmurphy7411@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote: I am not new here, having been on this group for about 1 ½ years now, and I have gained some good knowledge. A post did catch my eye, the thread about the cheap & easy 80 meter antenna. Currently I have this up: http://www.hy-gain.com/Product.php?productid=AV-18VS . Yes I know it is not perfect, but HOA’s being what they are, I submitted a request and got permission. Anything is better than nothing to get on the air. The thread about the cheap and easy 80 meter antenna got me to thinking about possibly changing my antenna situation. Here is my idea: I would like to take about 60 feet of a thin (invisible) wire from the top of my antenna and run it to the front part of my home. The wire would be horizontal, and, I think, that would give me better propagation on 80, 60, and 40 meters. The antenna right now is ground mounted and works ok on 20 & up, but I would like better performance on the three lower bands as well.
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John Murphy, B.S. C.J.; B.S. BusMgmt; MBA MarketingGMRS Licensee WQOW801PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"PIO Adams County (CO) ARESARES/RACES/AFMARS Nothwest Area, Region 8USAF Security Police, 1973-84Owner, Oil Country Radio’s701-421-1134Business Email: ocr58763@... Email: jmurphy7411@gmail.com

34616. Re: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 03:36:53 UTC
From: Robert Ahrens
Topic: 33357 Message: 34616

Well, this has been in my in-box awaiting me taking the time to watch it.
Finally did. Fascinating!

-Bob, NT5A

On Fri, Jul 25, 2014 at 8:45 AM, k9jfk@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi...
> A great explanation and physical demonstration of wave theory is here,
> done by Bell Labs and Dr. JN Shive.
>
>
> AT&T Archives : Similarities of Wave Behavior (Bonus Edition)
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
> [image: image]
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
> In this 1959 film, Dr. J.N. Shive demonstrates the similarities among
> waves of sound, light, and physical space
> View on techchannel.att.com
> <http://techchannel.att.com/play-video.cfm/2011/3/7/AT&T-Archives-Similarities-of-Wave-B
ehavior>
> Preview by Yahoo
>
>
>
> Lots of other good things at that site. AT&T put most of the "old" film
> archives on line a couple of years ago.
>
>
> 73, Jimmie, K9JFK
>
>
>

34617. Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 14:50:29 UTC
From: wd4aon@...
Topic: 34617 Message: 34617

Hello All,
I have a summer home in upstate NY state USA that was a one-room schoolhouse built in 1839, built on a tiny, hillside lot. Since this is an historic building in a rural neighborhood, my only zoning/architectural control committee is She Who Must Be Obeyed. A 'wire antenna' has been authorized. At my age (72) I'm not going to do any experimentation climbing in the trees.
The lot is triangular, running uphill to a point at the rear. Two very large old maple trees are disposed about 20 feet apart at the front. They are about 35 feet to their peaks. I have just had an eyebolt and rope installed in the taller one that provides a clear run to a much higher locust tree at the rear point pof the lot. The distance between the eyebolt and the locust tree is about 70 feet. The top of the locust tree is probably about 40-50 feet higher than the top of the maple tree due to the greater height of the locust tree and the uphill slope of the underlying hillside. The line between the trees is roughly East to West.
I can get a fan dipole up for 40M through 6M, a Zepp, a doublet, or a triangular loop (fed at any of various points). I have a couple outdoor autotuners capable of handling the power I expect to use. I pretty much need to feed the antenna via autotuner fed by coax. The autotuner can be located very close to the loop feed point, and I have a length of 450-ohm windowline for the other atnennas.
I'd like to try to get on 80M, but that might involve a compromise shortened/loaded dipole in the attic where I can get to it for adjustments.
First question: If I use the fan dipole, Zepp, or doublet, what is the effect of the upward slope on impedances, directionality, etc., given the increasing elevation above ground at the intended bands?
Second question, what is the collective opinion(s) on which type of antenna to try first?
Anxiously awaiting some reasoned responses,
73
Terry
de wd4aon@arrl.net

34618. Re: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 15:44:41 UTC
From: mholder
Topic: 33357 Message: 34618

I just watched this and it is great. I am an 'old' science teacher/ recently reclassified as technology director. It is a constant source of irritation to hear things like 'children earn differently today' and 'I can't teach without technology'. My belief is we put men on the moon with guys educated in o e room school houses and chalkboards. I think chalkboards still have a place, I think old overhead projectors are great for shooting magnetic fields and I believe one of the three teachers that have been in my old room threw out a decide very similar to the one he used in that film. It was too 'old fashioned'.
Thanks for the link, I'm going to go out and get to working on some of my old fashioned stuff.

mholder
living in the past in
saline county no
(Well, except for this email thing)

Sent from my iPhone

> On Nov 7, 2014, at 9:36 PM, Robert Ahrens robertahrens52@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Well, this has been in my in-box awaiting me taking the time to watch it. Finally did. Fascinating!
>
> -Bob, NT5A
>
>> On Fri, Jul 25, 2014 at 8:45 AM, k9jfk@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> Hi...
>> A great explanation and physical demonstration of wave theory is here, done by Bell Labs and Dr. JN Shive.
>>
>>
>> AT&T Archives : Similarities of Wave Behavior (Bonus Edition)
>>
>>
>> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...
>> In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space
>> View on techchannel.att.com
>> Preview by Yahoo
>>
>>
>> Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.
>>

>>
>>
>> 73, Jimmie, K9JFK
>
>

34619. AW: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 15:45:30 UTC
From: siegfried jackstien
Topic: 34617 Message: 34619

Try a ladderline fed doublet ... works all bands (also useable on 80 or topband

If you can not erect a triangular loop ... what about a triangular dipole (bent dipole)???

Feed from upper point and downwards to your 2 trees in the front (bent innerwards from there and then connect the 2 ends with some thin rope

Climbing trees is not needed if you have an "antenna launcher" (compressed air tennis ball cannon)

www.antennalaunchers.com

(just stole the idea and built my own one)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 8. November 2014 14:50
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Odd antenna configuration question
>
>
>
> Hello All,
> I have a summer home in upstate NY state USA that was a one-room
> schoolhouse built in 1839, built on a tiny, hillside lot. Since this is
> an historic building in a rural neighborhood, my only zoning/architectural
> control committee is She Who Must Be Obeyed. A 'wire antenna' has been
> authorized. At my age (72) I'm not going to do any experimentation
> climbing in the trees.
> The lot is triangular, running uphill to a point at the rear. Two very
> large old maple trees are disposed about 20 feet apart at the front. They
> are about 35 feet to their peaks. I have just had an eyebolt and rope
> installed in the taller one that provides a clear run to a much higher
> locust tree at the rear point pof the lot. The distance between the
> eyebolt and the locust tree is about 70 feet. The top of the locust tree
> is probably about 40-50 feet higher than the top of the maple tree due to
> the greater height of the locust tree and the uphill slope of the
> underlying hillside. The line between the trees is roughly East to West.
> I can get a fan dipole up for 40M through 6M, a Zepp, a doublet, or a
> triangular loop (fed at any of various points). I have a couple outdoor
> autotuners capable of handling the power I expect to use. I pretty much

> need to feed the antenna via autotuner fed by coax. The autotuner can be
> located very close to the loop feed point, and I have a length of 450-ohm
> windowline for the other atnennas.
> I'd like to try to get on 80M, but that might involve a compromise
> shortened/loaded dipole in the attic where I can get to it for
> adjustments.
> First question: If I use the fan dipole, Zepp, or doublet, what is the
> effect of the upward slope on impedances, directionality, etc., given the
> increasing elevation above ground at the intended bands?
> Second question, what is the collective opinion(s) on which type of
> antenna to try first?
> Anxiously awaiting some reasoned responses,
> 73
> Terry
> de wd4aon@...
>
>

34620. Re: [ham-antennas] jim burns

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 17:05:44 UTC
From: mholder
Topic: 33357 Message: 34620

Sorry, that should say:

> mholder. ke0btb
> living in the past in
> saline county 'mo'
> (Well, except for this email thing)

Sent from my iPhone

> On Nov 8, 2014, at 9:44 AM, mholder montholder@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> I just watched this and it is great. I am an 'old' science teacher/ recently reclassified as technology director. It is a constant source of irritation to hear things like 'children earn differently today' and 'I can't teach without technology'. My belief is we put men on the moon with guys educated in o e room school houses and chalkboards. I think chalkboards still have a place, I think old overhead projectors are great for shooting magnetic fields and I believe one of the three teachers that have been in my old room threw out a decide very similar to the one he used in that film. It was too 'old fashioned'.
> Thanks for the link, I'm going to go out and get to working on some of my old fashioned stuff.
>
> mholder
> living in the past in
> saline county no
> (Well, except for this email thing)
>
> Sent from my iPhone
>
>> On Nov 7, 2014, at 9:36 PM, Robert Ahrens robertahrens52@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Well, this has been in my in-box awaiting me taking the time to watch it. Finally did. Fascinating!
>>
>> -Bob, NT5A
>>
>>> On Fri, Jul 25, 2014 at 8:45 AM, k9jfk@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>>>
>>> Hi...
>>> A great explanation and physical demonstration of wave theory is here, done by Bell Labs and Dr. JN Shive.
>>>
>>>

>>> AT&T Archives : Similarities of Wave Behavior (Bonus Edition)
>>>
>>>
>>> AT&T Archives : Similarities of Wave Behavior (Bonus Edi...
>>> In this 1959 film, Dr. J.N. Shive demonstrates the similarities among waves of sound, light, and physical space
>>> View on techchannel.att.com
>>> Preview by Yahoo
>>>
>>>
>>> Lots of other good things at that site. AT&T put most of the "old" film archives on line a couple of years ago.
>>>
>>>
>>>
>>> 73, Jimmie, K9JFK
>
>

34621. New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 17:34:23 UTC
From: Goldtr8 (KD8NNU)
Topic: 34621 Message: 34621

Dear Group
I need to make a noise finding antenna that I can take in my vehicle to look for a source of noise on 160m and 80m bands. My google searches have not yielded much information on something I can use on these bands or what I found was not clear to me on how to make one. My plan would be to make something and then use my mobile setup to drive and try to find the source.

Please any recommendations will be highly welcome.

What I do believe is that its something that gets turned on in the night hours as its not there during the day and there are times at night when it goes away.

Thank in advance for your help.

Cheers
Don

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

34622. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 17:48:38 UTC
From: Mike
Topic: 34621 Message: 34622

mag loop .... there will be a null when you turn it .... and that null
will be on the side of the loop ....

On 11/08/2014 09:34 AM, 'Goldtr8 (KD8NNU)' goldtr8@...
[ham-antennas] wrote:
>
> Dear Group
> I need to make a noise finding antenna that I can take in my vehicle
> to look for a source of noise on 160m and 80m bands. My google
> searches have not yielded much information on something I can use on
> these bands or what I found was not clear to me on how to make one.
> My plan would be to make something and then use my mobile setup to
> drive and try to find the source.
> Please any recommendations will be highly welcome.
> What I do believe is that its something that gets turned on in the
> night hours as its not there during the day and there are times at
> night when it goes away.
> Thank in advance for your help.
> Cheers
> Don
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>

--
Mike KC7NOA

34623. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 17:53:41 UTC
From: Myron WVØH
Topic: 34621 Message: 34623
Attachments: 1 described; binary payloads are missing from this source WARC

Don,

You might get away with taking an AM transistor radio, tune it to a high unused frequency and sniff around with that.

I ran the numbers on a 1-foot magnetic loop for your experimenting too.

Myron WVØH
Printed on Recycled Data

> On Nov 8, 2014, at 10:34 AM, 'Goldtr8 (KD8NNU)' goldtr8@charter.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Dear Group
> I need to make a noise finding antenna that I can take in my vehicle to look for a source of noise on 160m and 80m bands. My google searches have not yielded much information on something I can use on these bands or what I found was not clear to me on how to make one. My plan would be to make something and then use my mobile setup to drive and try to find the source.
>
> Please any recommendations will be highly welcome.
>
> What I do believe is that its something that gets turned on in the night hours as its not there during the day and there are times at night when it goes away.
>
> Thank in advance for your help.
>
> Cheers
> Don
>
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>

34624. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 18:30:47 UTC
From: Mel Farrer
Topic: 34621 Message: 34624

You might also look at the HF fox hunt antenna here: Arrow Antenna FHL-VHF Fox Hunt Loop
| |
| | | | | | | |
| Arrow Antenna FHL-VHF Fox Hunt LoopArrow Antennas FHL |
| |
| View on www.cheapham.com | Preview by Yahoo |
| |
| |

Mel, K6KBE

From: "Myron WVØH s9plus@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>; "goldtr8@..." <goldtr8@...>
Sent: Saturday, November 8, 2014 9:53 AM
Subject: Re: [ham-antennas] New RF interference killing RX at my QTH

Don,
You might get away with taking an AM transistor radio, tune it to a high unused frequency and sniff around with that.
I ran the numbers on a 1-foot magnetic loop for your experimenting too.

Myron WVØHPrinted on Recycled Data
On Nov 8, 2014, at 10:34 AM, 'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Dear GroupI need to make a noise finding antenna that I can take in my vehicle to look for a source of noise on 160m and 80m bands. My google searches have not yielded much information on something I can use on these bands or what I found was not clear to me on how to make one. My plan would be to make something and then use my mobile setup to drive and try to find the source. Please any recommendations will be highly welcome. What I do believe is that its something that gets turned on in the night hours as its not there during the day and there are times at night when it goes away. Thank in advance for your help. CheersDon ~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

34625. AW: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 18:53:24 UTC
From: siegfried jackstien
Topic: 34621 Message: 34625

Hmmm central heating system that is powered from night time (cheaper) power???

And when it is not tooo cold the unit does not switch on (or maybe a solar heating system is also used and in a sunny day the heat pump does not need to be switched on at night) ...

Just a shoot in the dark (but you should keep your ears also open when driving around)

Dg9bfc

Sigi

Ps ... any mw radio should work ... ferrite rod antenna can be used to null out signal

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 8. November 2014 17:34
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] New RF interference killing RX at my QTH
>
>
>
> Dear Group
> I need to make a noise finding antenna that I can take in my vehicle to
> look for a source of noise on 160m and 80m bands. My google searches have
> not yielded much information on something I can use on these bands or what
> I found was not clear to me on how to make one. My plan would be to make
> something and then use my mobile setup to drive and try to find the
> source.
>
> Please any recommendations will be highly welcome.
>
> What I do believe is that its something that gets turned on in the night
> hours as its not there during the day and there are times at night when it
> goes away.
>
> Thank in advance for your help.
>
> Cheers
> Don
>
>
> ~73

> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
>

34626. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 19:41:19 UTC
From: David Struebel
Topic: 34621 Message: 34626

If the noise is coming from the power lines you will find that it travels quite a distance on HF frequencies making the isolation of the source difficult.
On VHF and higher power line noise does not travel as far, hence listening on 2 meters with a receiver capable of AM reception or an aviation scanner in the 120 Mhz range will give you a better shot at it.

MFJ makes a power line noise meter which comes in both a simple dipole type antenna arrangement mounted on the instrument or with a external small beam antenna for getting a better direction indication.

http://www.mfjenterprises.com/Product.php?productid=MFJ-852

The ARRL web page has a lot of information, to start
http://www.arrl.org/power-line-noise-faq

Of course the noise could be caused by other sources... look for switching power supplies including those found in plug in "wall wart" power supplies on consumer electronics like routers, laptop power supplies etc..... Dimmer switches, thermostats, almost anything that is powered.

The first thing I would do is to turn off the power going to your main power distribution box in your home and see if the noise is still there.. If not, the source is somewhere in your home.
If it is still present start looking elsewhere.

Dave WB2FTX
On 11/8/2014 12:34 PM, 'Goldtr8 (KD8NNU)' goldtr8@...
[ham-antennas] wrote:
>
> Dear Group
> I need to make a noise finding antenna that I can take in my vehicle
> to look for a source of noise on 160m and 80m bands. My google
> searches have not yielded much information on something I can use on
> these bands or what I found was not clear to me on how to make one.
> My plan would be to make something and then use my mobile setup to
> drive and try to find the source.
> Please any recommendations will be highly welcome.
> What I do believe is that its something that gets turned on in the
> night hours as its not there during the day and there are times at
> night when it goes away.
> Thank in advance for your help.
> Cheers
> Don
> ~73

> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5557 / Virus Database: 4189/8533 - Release Date: 11/08/14
>

34627. Re: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 21:10:23 UTC
From: Original Woodchuck
Topic: 34617 Message: 34627

On Sat, Nov 08, 2014 at 06:50:29AM -0800, wd4aon@... [ham-antennas] wrote:
> Hello All,
> I have a summer home in upstate NY state USA that was a one-room schoolhouse built in 1839, built on a tiny, hillside lot. Since this is an historic building in a rural neighborhood, my only zoning/architectural control committee is She Who Must Be Obeyed. A 'wire antenna' has been authorized. At my age (72) I'm not going to do any experimentation climbing in the trees.
> The lot is triangular, running uphill to a point at the rear. Two very large old maple trees are disposed about 20 feet apart at the front. They are about 35 feet to their peaks. I have just had an eyebolt and rope installed in the taller one that provides a clear run to a much higher locust tree at the rear point pof the lot. The distance between the eyebolt and the locust tree is about 70 feet. The top of the locust tree is probably about 40-50 feet higher than the top of the maple tree due to the greater height of the locust tree and the uphill slope of the underlying hillside. The line between the trees is roughly East to West.

You need to eliminate the effects of the hillside in any calculations.
Radio waves don't respond to the gravity of the earth in any significant
way. So if you have a 20 degree slope and a 30 degree slope to the antenna,
you really have a 10 degree slope over local terrain for the antenna.
This assumes the hillside is uniformly sloped over several wavelengths.

> I can get a fan dipole up for 40M through 6M, a Zepp, a doublet, or a triangular loop (fed at any of various points). I have a couple outdoor autotuners capable of handling the power I expect to use. I pretty much need to feed the antenna via autotuner fed by coax. The autotuner can be located very close to the loop feed point, and I have a length of 450-ohm windowline for the other atnennas.
> I'd like to try to get on 80M, but that might involve a compromise shortened/loaded dipole in the attic where I can get to it for adjustments.

You could load the outdoor antenna, too. You might get away with a relay
or two, too, to switch the loading in/out from the shack. After all,
you're going to have control cable and power to the autotuner, right?
But we're starting to talk about quite a bit of weight up at a typical
dipole feed point. It might sag more than you like. You might need heavier
or copper clad steel wire to take the tension needed to reduce
sag, or a mast or other skyhook at the feedpoint.

> First question: If I use the fan dipole, Zepp, or doublet, what is the effect of the upward slope on impedances, directionality, etc., given the increasing elevation above ground at the intended bands?

Very little effect, IMHO. The antenna will tend to favor the downhill
direction, slightly. Impedance will change, maybe go down a bit, relative
to one parallel with the ground and at the same average height. THis depends
on the height. I only ran a dipole at 15 meters height at its feedpoint.

Note that you will have an elevation angle downhill that is relative
to terrain, not distant horizon. I.e. "DX"-favoring. Uphill, the opposite.

> Second question, what is the collective opinion(s) on which type of antenna to try first?

No opinion.

Dave AB3NR

34628. Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 21:22:04 UTC
From: soona4sail@...
Topic: 34621 Message: 34628

Hi. We have identified a source of interference coming from new, or newer home furnaces, heap pumps, etc. It turns out that many of the newer domestic heating units for houses have Chinese made switching power supplies that drives the fan, or exhaust fan. You mentioned yoiur interference comes in the evening.

I wonder if you, or a neighbour, has a new furnace, AC unit, heapt pump????

73 John Good luck.

34629. Re: Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 21:29:24 UTC
From: farrerfolks@...
Topic: 34617 Message: 34629

Hi Terry,

First off welcome to the group.

Second, we are nitpickers about needing to know what you want to use the antenna for????
What bands, etc.
The group is loaded with hams with alot of experience in antenna design, but as a general rule we avoid open ended requests for help when we don't have enough information to really help you. So if your passion is 160 vs say 10 meters, the answers will be considerably different. Let us know what you want to do. Good luck on what seems like a neat QTH, with rock walls he he.

Cheers,

Mel, K6KBE

34630. First impressions G7FEK antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 21:42:41 UTC
From: Keith Heimbold
Topic: 34630 Message: 34630

I built the G7FEK as close to spec as I could and I have a couple interesting observations. The antenna appears to be pretty good on 80m where I almost worked barefoot this morning the W1AW/KH8 barefoot 100W this morning with it at about 25' Inverted V configuration (he heard my Zulu Zulu and kilo) and I heard a Japanese station very loud on 75m. I was very surprised.

I put both a 1:1 and 4:1 balun at the feedpoint and been experimenting on which bands tune better with the two different feed points. I have built a lot wire antennas since we moved and this one seems better than the inverted L so it will stay awhile. More experiments to come. I am not done trying things out yet, a horizontal loop will come before too long.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34631. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 21:56:56 UTC
From: David Cole
Topic: 34621 Message: 34631

Hi,
I would start by characterizing the RFI... See:

http://nk7z.net/rfi-now/

For information on tools to do this, and some processes. There is a
part II up already, and a Part III which I am working on...

Also see Tom Thompson's site for how to construct a really good loop at:

http://tomthompson.com/radio/ReceivingLoop/loop.html

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sat, 2014-11-08 at 12:34 -0500, 'Goldtr8 (KD8NNU)'
goldtr8@... [ham-antennas] wrote:
>
>
> Dear Group
> I need to make a noise finding antenna that I can take in my vehicle
> to look for a source of noise on 160m and 80m bands. My google
> searches have not yielded much information on something I can use on
> these bands or what I found was not clear to me on how to make one.
> My plan would be to make something and then use my mobile setup to
> drive and try to find the source.
>
> Please any recommendations will be highly welcome.
>
> What I do believe is that its something that gets turned on in the
> night hours as its not there during the day and there are times at
> night when it goes away.
>
> Thank in advance for your help.
>
> Cheers
> Don
>

```
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
>
>
```

34632. Re: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 22:14:42 UTC
From: Gerald Bishop
Topic: 34617 Message: 34632

Try an O/C fed dipole. aM VERY MUCH SURPRISED WITHTHE ONE i JUST PUT UP. CENTER IS AT 35 FT,ONE END IS ABOUT 25 ,FOR THE MOMENT,AND OTER GOES STRAIGHT FOR A BIT AND THEN 90 DEG,RIGHT ANGLE FOR 20 FT AND IS ABOUT 20 UP,FPOR NOW. bEEN WORKING ALL OVER THE WORLD TODAY 80 THRU 10 MTRES !! cAN TUNE 160 AT 1850,BUT NOWONE SEEMS TO BE THERE - sORRY ABOUT THE CAPS DE jERRY W8KQ

----- Original Message -----
From: "Original Woodchuck marmota@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "wd4aon@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: Saturday, November 08, 2014 4:10 PM
Subject: Re: [ham-antennas] Odd antenna configuration question

> On Sat, Nov 08, 2014 at 06:50:29AM -0800, wd4aon@... [ham-antennas]
> wrote:
>> Hello All,
>> I have a summer home in upstate NY state USA that was a one-room
>> schoolhouse built in 1839, built on a tiny, hillside lot. Since this is
>> an historic building in a rural neighborhood, my only
>> zoning/architectural control committee is She Who Must Be Obeyed. A
>> 'wire antenna' has been authorized. At my age (72) I'm not going to do
>> any experimentation climbing in the trees.
>> The lot is triangular, running uphill to a point at the rear. Two very
>> large old maple trees are disposed about 20 feet apart at the front.
>> They are about 35 feet to their peaks. I have just had an eyebolt and
>> rope installed in the taller one that provides a clear run to a much
>> higher locust tree at the rear point pof the lot. The distance between
>> the eyebolt and the locust tree is about 70 feet. The top of the locust
>> tree is probably about 40-50 feet higher than the top of the maple tree
>> due to the greater height of the locust tree and the uphill slope of the
>> underlying hillside. The line between the trees is roughly East to West.
>
> You need to eliminate the effects of the hillside in any calculations.
> Radio waves don't respond to the gravity of the earth in any significant
> way. So if you have a 20 degree slope and a 30 degree slope to the
> antenna,
> you really have a 10 degree slope over local terrain for the antenna.
> This assumes the hillside is uniformly sloped over several wavelengths.
>
>> I can get a fan dipole up for 40M through 6M, a Zepp, a doublet, or a
>> triangular loop (fed at any of various points). I have a couple outdoor
>> autotuners capable of handling the power I expect to use. I pretty much
>> need to feed the antenna via autotuner fed by coax. The autotuner can be
>> located very close to the loop feed point, and I have a length of 450-ohm
>> windowline for the other atnennas.

>> I'd like to try to get on 80M, but that might involve a compromise
>> shortened/loaded dipole in the attic where I can get to it for
>> adjustments.
>
> You could load the outdoor antenna, too. You might get away with a relay
> or two, too, to switch the loading in/out from the shack. After all,
> you're going to have control cable and power to the autotuner, right?
> But we're starting to talk about quite a bit of weight up at a typical
> dipole feed point. It might sag more than you like. You might need
> heavier
> or copper clad steel wire to take the tension needed to reduce
> sag, or a mast or other skyhook at the feedpoint.
>
>> First question: If I use the fan dipole, Zepp, or doublet, what is the
>> effect of the upward slope on impedances, directionality, etc., given the
>> increasing elevation above ground at the intended bands?
>
> Very little effect, IMHO. The antenna will tend to favor the downhill
> direction, slightly. Impedance will change, maybe go down a bit, relative
> to one parallel with the ground and at the same average height. THis
> depends
> on the height. I only ran a dipole at 15 meters height at its feedpoint.
>
> Note that you will have an elevation angle downhill that is relative
> to terrain, not distant horizon. I.e. "DX"-favoring. Uphill, the
> opposite.
>
>> Second question, what is the collective opinion(s) on which type of
>> antenna to try first?
>
> No opinion.
>
> Dave AB3NR
>
>
> ---
> Posted by: Original Woodchuck <marmota@...>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
> to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be
> cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---
>
> Yahoo Groups Links

>
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34633. Extra Tuner Heath Sa2060a

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 22:35:40 UTC
From: email4utoo@...
Topic: 34633 Message: 34633

I have extra tuner , XYL says make room , cause i am building an amp in our , "Hobby Room", yah i call it the Shack , but we ,"Share " it , hihi. i have two in very good condition, Sa2060a, yah the ones with the meters on the front and balun inside , comes with original manual not bs download copy. Full limit well made , has connectors for ladder line, single wire , coax, and bypass switch. clean inside non smoker, rather got to someone here to use and needs one of the Best ever made . Many say with tune a hanger, a tuna can, or a Rock if you can put a connector in it , hihi. email me off site , good on QRZd, we own our own place and i frequent the HHHnet ,and 40 meters . 73s, AJ W5HEH

34634. Re: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-08 22:44:00 UTC
From: email4utoo@...
Topic: 34617 Message: 34634

yah i like mine as well, 138ft long about 44ft one side OCF up maybe 30ft , i work 80-10 ,barefoot, most of the time with internal tuner . does yours use a 4-1 Balun ? I spoke to BC last night on 40m, and have QSLs from OZ , Italy , and Panama on the way, also spoke to DE, cuba, Carribean, all on 40 barefoot , just now building an amp slowly to use occasionally . Also planning to build a Full wave loop soon before winter hits . Enjoy the OCF , 73s, AJ W5HEH

34635. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 00:26:51 UTC
From: Goldtr8 (KD8NNU)
Topic: 34621 Message: 34635

Its not in my house I but something external. Its not a plasma TV as I know that noise well as I have one of those suckers that I want to get rid of but the XYL is a problem with that right now.

It is ground wave received as its strong on my inverted V dipole and vertical but is not present on my big loop which is horizontally polarized. I understand from reading on w8ji that ground wave interference looses it horizontal polarization as it travels over ground. It is also not present on 40m and above on any of my antennas but only on 80m and 160m.

Right now I am thinking its is fairly close to my home within a couple of miles as I can tune to one of the dominant frequencies in my mobile rig and it gets louder in the area in which I live. However it has to be present to hear it and early in the evening its not heard at the house or on the mobiles.

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, November 08, 2014 4:22 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: New RF interference killing RX at my QTH

Hi. We have identified a source of interference coming from new, or newer home furnaces, heap pumps, etc. It turns out that many of the newer domestic heating units for houses have Chinese made switching power supplies that drives the fan, or exhaust fan. You mentioned yoiur interference comes in the evening.

I wonder if you, or a neighbour, has a new furnace, AC unit, heapt pump????

73 John Good luck.

34636. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 01:35:10 UTC
From: David V Colton
Topic: 34621 Message: 34636

Gud Luk to u OM!!! I have been "living" with a 60" Panasonic Plasma that moved in next door on Sept 28th.
It's running 50 to 60 db over on 160 & 80 meters, with an S-2 to S-3 on certain spots of 40 Meters. I tried every trick I know, and improved my station ground down to 3 ohms with a Megger. (I put in a Wheatstone ground...at a cost of $100+) That improved it by about 10 db. After her STILL saying it wasn't HER problem...I filed a complaint with the FCC. 40 days later I had a mobile RFI vehicle at my house. She hasn't been served with official papers-yet. But they left a notice on her front door of "illegal spurious RF radiation." The field engineers that were here told me that they had to report back their findings to the bureaucratic "bosses" at the office. IF they send her a registered letter, she will have 45 days to respond...before they go to the "next level."
FYI- The vehicle that was here last Wednesday (11-5) was a completely unmarked Suburban, with regular Maryland plates on it. I also found out that the FCC doesn't "own" the vehicles on paper. They are registered to the Dept of Homeland Defense. Go Figure. The 8 bay antenna array's are mounted in a fiberglass roof over the rear of the Suburban. They can electronically be phased and/or attenuated by computer control. In my case...the TV was 30 ft. from my house, and they had to electronically "cut" the signal by 40 db...just to get a null by turning the TV in 20 degree increments in a clockwise rotation. I WAS impressed! They also said Panasonic & Toshiba were the worst offenders. They have zero shielding on their plasma TV's. I asked how they got type 15 acceptance....all I got was "smiles."
They were here a total of 22-23 minutes. needless to say...I own't be getting a Christmas card from her this year!
It may take AWHILE for my solution to wind it's way thru the bureaucracy of the system...but you got to start somewhere.
Gud Luk...I REALLY mean that!
73,
Dave-KJ4PF

-----Original Message-----
From: 'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Nov 8, 2014 7:26 pm
Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Its not in my house I but something external. Its not a plasma TV as I know that noise well as I have one of those suckers that I want to get rid of but the XYL is a problem with that right now.

It is ground wave received as its strong on my inverted V dipole and vertical but is not present on my big loop which is horizontally polarized. I understand from reading on w8ji that ground wave interference looses it horizontal polarization as it travels over ground. It is also not present on 40m and above on any of my antennas but only on 80m and 160m.

Right now I am thinking its is fairly close to my home within a couple of miles as I can tune to one of the dominant frequencies in my mobile rig and it gets louder in the area in

which I live. However it has to be present to hear it and early in the evening its not heard at the house or on the mobiles.

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

34637. Re: Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 02:39:25 UTC
From: wd4aon@...
Topic: 34617 Message: 34637

Mel,
Sorry, I'm not interested in 160M, 220 MHz and anything above 440 Mhz. o/w, 75, 40, 20, 25, 10 and maybe 6, and the WARC bands if a freebie. No rock walls, but the 175-year-old brick walls are all still straight and square. Slate-y subsoil, marble bases for the brick walls.
73
Terry

34638. Re: AW: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 02:40:57 UTC
From: wd4aon@...
Topic: 34617 Message: 34638

Sehr geerhter Herr Sigi,

Thanks for your suggestions. I was hoping for commentary from Europe since the gardens there are often small like my schoolhouse property.

I was thinking of trying a triangular loop, fed at/near the top of the maple tree, horizontally across to the locust tree, up to the top of the locust, and back diagonally down to the feed at the top of the maple tree. If I recall my antenna theory (from 1960), that would be horizontally polarized with the maximum height at the far corner. Alternatively, a triangle could be fed from the eave of the schoolhouse (at about 14 feet) diagonally in both azimuth and elevation up to the maple top and then diagonally up to the locust top, and then diagonally in both azimuth and elevation back to point of origin at the eave. A lot of it would be partly horizontal going out from the feed point to the top ends. This would give weather protection to the autotuner, easy access, but who knows what characteristics?

The doublet would allow the autotuner to mount at the eave, and my available windowline could feed the doublet. However, the doublet would run upwards from the low end to the high end at a significant angle, and since the doublet style is to be equally balanced to be effective, how would I make it have equal impedances with unequal ground reference distances? And what directionality characteristics?

The two maple trees in the front yard would form a very narrow angle to the locust tree, which is at the most remote distance from the shack and hardest to string the feed line. Also, the run from the locust to the maple which does not yet have an eyebolt runs in a line where the bell tower lies. Further, medium high voltage power lines run through the maples on the street side, and I don't want to go messing with high voltage power lines, so I can't shoot a line over with a tennis cannon.

I have no midpoint to hang the doublet/dipole center from.

What I was really hoping for was some commentary about the directionality, and other characteristics resulting from the end to end angle with respect to the ground reference.

Was sagen Sie?

Mit freundliche grusse und 73,
Terry
de wd4aon@arrl.net

34639. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 04:15:43 UTC
From: David Cole
Topic: 34621 Message: 34639

What is a Wheatstone ground?
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sat, 2014-11-08 at 20:35 -0500, David V Colton DVC3565@...
[ham-antennas] wrote:
> Gud Luk to u OM!!! I have been "living" with a 60" Panasonic Plasma
> that moved in next door on Sept 28th. It's running 50 to 60 db over on
> 160 & 80 meters, with an S-2 to S-3 on certain spots of 40 Meters. I
> tried every trick I know, and improved my station ground down to 3
> ohms with a Megger. (

34640. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 04:26:40 UTC
From: Julie Bunker
Topic: 34621 Message: 34640

I have been watching this thread with interest. Last Sunday evening, 11-2-14, when I turned my transceiver on, I was met with sever RFI. This has been going on all week at all hours of the day. I am receiving it across the 160M, 80M, and 40M bands. Each band has a reading of 20 to 40 over on the S-meter. I have not been able to transmit successfully since this began except intermittently. It seems that my transmissions are very light and lost in the noise. So now, I am frantically searching through my RFI Book to see what I can glean. If any of you have any ideas for a starting point I would definitely like to hear about it. Well, off to find my portable am radio!!

Julie - KV7JB

34641. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 04:37:51 UTC
From: Mike
Topic: 34621 Message: 34641

"It seems that my transmissions are very light and lost in the noise"

That's odd ... your Tx power should not be affected by RFI .... if
that's the case .. it might be a radio problem ....

On 11/08/2014 08:26 PM, Julie Bunker quilterlizzie@...
[ham-antennas] wrote:
>
> I have been watching this thread with interest. Last Sunday evening,
> 11-2-14, when I turned my transceiver on, I was met with sever RFI.
> This has been going on all week at all hours of the day. I am receiving
> it across the 160M, 80M, and 40M bands. Each band has a reading of 20
> to 40 over on the S-meter. I have not been able to transmit
> successfully since this began except intermittently. It seems that my
> transmissions are very light and lost in the noise. So now, I am
> frantically searching through my RFI Book to see what I can glean. If
> any of you have any ideas for a starting point I would definitely like
> to hear about it. Well, off to find my portable am radio!!
>
> Julie - KV7JB
>
>

--
Mike KC7NOA

34642. RE: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 04:59:29 UTC
From: Larry Taylor
Topic: 34621 Message: 34642

I use to do this for a power company and look for TVI's that Hams would call in.. The best Antenna we found was a bent peace of antenna rod that was laying flat on the roof but not touching it. Mag mount ant on the roof would also work folded flat. We used a Zenith Short Wave Receiver and start out on the lower freq's and when we got closer you could pick it up on the higher freq's. Another power company would just drive around using their AM band radio tuned to a none radio station channel and listen there. With the power company the main problem was loose hardware that's in the powerline magnetic field. Street lights that flicker on and off. The Majority of the TVI were at homes. Here is a list of things I found. Door bell transformers, Light dimmers turn down but not off, Fish tank heaters, Electric blankets, Electric heating pads, old thermostat used on heater. Things that had Bi Metal contacts to turn and off items. The very first thing I would do would take a portable radio out to the power meter and put it nearby. When the noise was happening turn off 1 breaker at a time until there all off. This eliminates your home. You know it could be in your neighbors home too, so stay good friends with them and get there permission if you plan on doing the same thing with their breakers.

Larry KF6JBG

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Saturday, November 08, 2014 9:34 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] New RF interference killing RX at my QTH

Dear Group

I need to make a noise finding antenna that I can take in my vehicle to look for a source of noise on 160m and 80m bands. My google searches have not yielded much information on something I can use on these bands or what I found was not clear to me on how to make one. My plan would be to make something and then use my mobile setup to drive and try to find the source.

Please any recommendations will be highly welcome.

What I do believe is that its something that gets turned on in the night hours as its not there during the day and there are times at night when it goes away.

Thank in advance for your help.

Cheers

Don

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

34643. RE: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 05:06:14 UTC
From: Joe Wolfe
Topic: 34621 Message: 34643

500 watts into the antenna on 6 meters will do a good job of getting them to turn the set off! We had a plasma move in next door to me, several years ago..50 Mhz suddenly got hot..(AHEM).2 days later, Best Buy was out, picking up the TV and delivering a different type. *It* was quiet! <<EVIL GRIN>>

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
at my QTH

34644. Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 06:03:30 UTC
From: schwartzj22@...
Topic: 34644 Message: 34644

To all,

In the files section K6KBE listed in his folder K6KBE EZNEC files an OCF antenna file called OCFportabledipole.EZ.

In the design on segment 9 on wire #1 there is a reactance of 20 ohms. What is the purpose of this reactance?

Tks,

Joel – N3GSE

34645. RE: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 07:28:53 UTC
From: Julie Bunker
Topic: 34621 Message: 34645

OK, I turned off all of the power in my unit (I live in a 4-plex). The interference could still be heard on the am radio. Turned the power on gradually and still no change. Went back up to the front of the unit, all of a sudden when I turned just the right way, the interference got stronger. I turned 90 deg to that and less interference. I turned 90 deg again and the interference got stronger (this was 180 deg to the first sounding.) I again turned everything off in the front and turned them on one at a time. The interference did not change. I next went outside (boy does AM radio come in well outside at night) and heard the radio with very little interference. The further I moved away from the building the less interference I got until it was gone. Talked to two of my neighbors, they stated that they have no new electronics in their units. I am open to any and all suggestions.

Julie - KV7JB

34646. AW: AW: [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 11:28:17 UTC
From: siegfried jackstien
Topic: 34617 Message: 34646

Give me your exact location and I take a closer look with google earth ...
then I can tell you maybe a bit more

Not easy to follow your description without having an idea what tree stands
where etc.

AVOID THOSE DAMNED POWER LINES!!!

It is just too dangerous to hang an antenna close to them (but you sure know
that)

About directivity and feeding impedance of your planned setup

I would need some more details to model such a setup in mmana (length and
heights of all points) ...

>
> I was thinking of trying a triangular loop, fed at/near the top of the
> maple tree, horizontally across to the locust tree, up to the top of the
> locust, and back diagonally down to the feed at the top of the maple tree.
> If I recall my antenna theory (from 1960), that would be horizontally
> polarized with the maximum height at the far corner. Alternatively, a
> triangle could be fed from the eave of the schoolhouse (at about 14 feet)
> diagonally in both azimuth and elevation up to the maple top and then
> diagonally up to the locust top, and then diagonally in both azimuth and
> elevation back to point of origin at the eave. A lot of it would be partly
> horizontal going out from the feed point to the top ends. This would give
> weather protection to the autotuner, easy access, but who knows what
> characteristics?
>

TRY THAT OUT AND SEE THE RESULTS ... OR MODEL IT IN MMANA

>
>
>
> The doublet would allow the autotuner to mount at the eave, and my
> available windowline could feed the doublet. However, the doublet would
> run upwards from the low end to the high end at a significant angle, and
> since the doublet style is to be equally balanced to be effective, how
> would I make it have equal impedances with unequal ground reference
> distances? And what directionality characteristics?
>

Doublet is also effective if both ends are not exactly equal

Yes the ladderline will be better balanced with both ends exactly the same
... but if not ... who cares?!?

If you can hang a topband loop then go for it ... if you only have room for
an 80m loop then I would make it a doublet and not a loop (with a good tuner
an 80m doublet can be used on 160)

> The two maple trees in the front yard would form a very narrow angle to
> the locust tree, which is at the most remote distance from the shack and
> hardest to string the feed line. Also, the run from the locust to the
> maple which does not yet have an eyebolt runs in a line where the bell
> tower lies. Further, medium high voltage power lines run through the
> maples on the street side, and I don't want to go messing with high
> voltage power lines, so I can't shoot a line over with a tennis cannon.
>

SAFETY FIRST :-)

>
> I have no midpoint to hang the doublet/dipole center from.
>
>
> What I was really hoping for was some commentary about the directionality,
> and other characteristics resulting from the end to end angle with respect
> to the ground reference.
>
>
>
>
> Was sagen Sie?
>

I need more details ... then i can run some simulations

....

I would say ... if you have a nice location for the tuner ... then start to
go from there ... cause ladderline is nearly lossless you then have
different options what to hang ... and in what direction ... where
feeding-point is located etc...

So ... if you tell me your location ... I take a look in google earth ...
then tell me some heights and distances (after another email exchange maybe)
... and then I do some simulations

Dg9bfc

Sigi

Ps if it is ok for the group we do that here ... if not then we can do that
email exchange offline (off group ... in direct mail)

34647. AW: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 11:44:21 UTC
From: siegfried jackstien
Topic: 34621 Message: 34647

> They were here a total of 22-23 minutes. needless to say...I own't be
> getting a Christmas card from her this year!
> It may take AWHILE for my solution to wind it's way thru the bureaucracy
> of the system...but you got to start somewhere.
But you can send HER an xmas card :-)

Dg9bfc

Sigi
_

34648. AW: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 11:40:17 UTC
From: siegfried jackstien
Topic: 34621 Message: 34648

As you can see your am radio IS DIRECTIONAL!!! ... so ... what about some foxhunting :-)

DG9BFC

SIGI

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 9. November 2014 07:29
> An: ham-antennas@yahoogroups.com
> Betreff: RE: [ham-antennas] New RF interference killing RX at my QTH
>
>
>
> OK, I turned off all of the power in my unit (I live in a 4-plex). The
> interference could still be heard on the am radio. Turned the power on
> gradually and still no change. Went back up to the front of the unit,
> all of a sudden when I turned just the right way, the interference got
> stronger. I turned 90 deg to that and less interference. I turned 90
> deg again and the interference got stronger (this was 180 deg to the
> first sounding.) I again turned everything off in the front and turned
> them on one at a time. The interference did not change. I next went
> outside (boy does AM radio come in well outside at night) and heard the
> radio with very little interference. The further I moved away from the
> building the less interference I got until it was gone. Talked to two
> of my neighbors, they stated that they have no new electronics in their
> units. I am open to any and all suggestions.
>
> Julie - KV7JB
>
>
>

34649. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 12:37:20 UTC
From: Scott McDonald
Topic: 34621 Message: 34649

Hey Julie

Couple thoughts.

Log onto the ARRL website and listen to the Sounds of RFI audio files, there's lots of home appliance files as well as other things.

And since your am radio is working directionally, draw a pic of the building footprint and draw lines thru 3 or 4 nulls to see if they converge somewhere. And if it's easy, put the radio on a painters pole and see if it's up high or down low. None of this works too well if the noise is being radiated thru a cable or power line but you might get lucky.

And then there is the old data log if the interference ever varies. Time of day, day of week, outside temperature, wet dry, etc.

Not sure where you are at but here in Chicago it's not unusual to see seasonal variations when it starts to get cold or warm.

Good luck.

74 Scott ka9p

Make something good happen!

> On Nov 9, 2014, at 1:28 AM, "Julie Bunker quilterlizzie@...m [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> OK, I turned off all of the power in my unit (I live in a 4-plex). The
> interference could still be heard on the am radio. Turned the power on
> gradually and still no change. Went back up to the front of the unit,
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> units. I am open to any and all suggestions.
>
>
> Julie - KV7JB
>
>
> ---
> Posted by: Julie Bunker <quilterlizzie@...>

> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---
>
> Yahoo Groups Links
>
>
>

34650. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 13:50:28 UTC
From: Chuck Schultz
Topic: 34621 Message: 34650

David , I can sympathsize with you and your woman next door . The offending TV in the fellers own home is his fault . His wife surely goes out without him from time to time . Frying a TV reciever should be no challenge and the replacement should be Hobby friendly or ELSE ! I once had a woman next door that would not allow the Feds to insp. She was on Rabbit ears seventy -five miles and across Dallas drom the TV transmitters. She also had telephone problems on her telephones that she got at the local gas station with a fill-up. I once knew a friend that removed tunes from a TV set while his wife was away .....when she returned to a non working TV she called the repairman . The repairman picked up the TV , reinstalled the missing tubes and redelivered the TV to the friends new apartment . We men must stick together ! Chuck Wq5B

On 11/8/2014 7:35 PM, David V Colton DVC3565@... [ham-antennas] wrote:

>
> *Gud Luk to u OM!!! I have been "living" with a 60" Panasonic Plasma
> that moved in next door on Sept 28th.*
>
> *It's running 50 to 60 db over on 160 & 80 meters, with an S-2 to S-3
> on certain spots of 40 Meters. I tried every trick I know, and
> improved my station ground down to 3 ohms with a Megger. (I put in a
> Wheatstone ground...at a cost of $100+) That improved it by about 10
> db. After her STILL saying it wasn't HER problem...I filed a complaint
> with the FCC. 40 days later I had a mobile RFI vehicle at my house.
> She hasn't been served with official papers-yet. But they left a
> notice on her front door of "illegal spurious RF radiation." The field
> engineers that were here told me that they had to report back their
> findings to the bureaucratic "bosses" at the office. IF they send her
> a registered letter, she will have 45 days to respond...before they go
> to the "next level."*
> *FYI- The vehicle that was here last Wednesday (11-5) was a completely
> unmarked Suburban, with regular Maryland plates on it. I also found
> out that the FCC doesn't "own" the vehicles on paper. They are
> registered to the Dept of Homeland Defense. Go Figure. The 8 bay
> antenna array's are mounted in a fiberglass roof over the rear of the
> Suburban. They can electronically be phased and/or attenuated by
> computer control. In my case...the TV was 30 ft. from my house, and
> they had to electronically "cut" the signal by 40 db...just to get a
> null by turning the TV in 20 degree increments in a clockwise
> rotation. I WAS impressed! They also said Panasonic & Toshiba were the
> worst offenders. They have zero shielding on their plasma TV's. I
> asked how they got type 15 acceptance....all I got was "smiles."*
> *They were here a total of 22-23 minutes. needless to say...I own't be
> getting a Christmas card from her this year!*
> *It may take AWHILE for my solution to wind it's way thru the

> **bureaucracy of the system...but you got to start somewhere.*
> *Gud Luk...I REALLY mean that!*
> *73,*
> *Dave-KJ4PF
> *
>
> -----Original Message-----
> From: 'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas]
> <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Sat, Nov 8, 2014 7:26 pm
> Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH
>
> Its not in my house I but something external. Its not a plasma TV as
> I know that noise well as I have one of those suckers that I want to
> get rid of but the XYL is a problem with that right now.
> It is ground wave received as its strong on my inverted V dipole and
> vertical but is not present on my big loop which is horizontally
> polarized. I understand from reading on w8ji that ground wave
> interference looses it horizontal polarization as it travels over
> ground. It is also not present on 40m and above on any of my antennas
> but only on 80m and 160m.
> Right now I am thinking its is fairly close to my home within a couple
> of miles as I can tune to one of the dominant frequencies in my mobile
> rig and it gets louder in the area in which I live. However it has
> to be present to hear it and early in the evening its not heard at the
> house or on the mobiles.
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34652. Re: [ham-antennas] Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 16:43:43 UTC
From: Andy
Topic: 34644 Message: 34652

Sorry, found it. Was looking in K6KBE's antennas directory (wrong place).

Andy

34653. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 16:48:51 UTC
From: David V Colton
Topic: 34621 Message: 34653

Dave:
Look at the following to help you understand just what a Wheatstone Ground is.
Basically I put 3-30 foot copper grounds down in a triangle, spaced 8 foot apart, with a 6 foot ground in the center of the triangle. These are all tied together with #2 copper wire to "bridge" the ground rods together. The system in Florida had Caldwell connectors. Here I just used GOOD compression ground clamps, as I don't plan on it being a permanent install. Your ground wire to your station is fed from the point where all the ground wires are tied to the center ground rod.

Ground Resistance Testing:
http://www.electrotest.co.nz/Technical+Papers++Downloads/Technical+papers.html

The Original article I used to develop the ground system i used in Florida (sand as ground). This is what
Florida Power used in their substations. Good enough for them...was good enough for me:
http://blog.jmtestsystems.com/index.php/6-simple-steps-to-design-an-economical-grounding-system/

You might want to read this MIT article too:
http://web.mit.edu/~jhawk/tmp/p/EST016_Ground_Loops_handout.pdf

Hope these help!
73,
Dave-KJ4PF

-----Original Message-----
From: David Cole dave@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Nov 8, 2014 11:15 pm
Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH

What is a Wheatstone ground?
--
Thanks and 73's,

Posted by: David Cole dave@...

34654. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 16:54:55 UTC
From: David Cole
Topic: 34621 Message: 34654

Dave (KJ4PF),
Thank you for the info and the links!!! I am just about ready to put a
new ground down, and am looking at methods...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-11-09 at 11:48 -0500, David V Colton DVC3565@...
[ham-antennas] wrote:
>
>
> Dave:
> Look at the following to help you understand just what a Wheatstone
> Ground is.
> Basically I put 3-30 foot copper grounds down in a triangle, spaced 8
> foot apart, with a 6 foot ground in the center of the triangle. These
> are all tied together with #2 copper wire to "bridge" the ground rods
> together. The system in Florida had Caldwell connectors. Here I just
> used GOOD compression ground clamps, as I don't plan on it being
> a permanent install. Your ground wire to your station is fed from the
> point where all the ground wires are tied to the center ground rod.
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>
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> Ground Resistance Testing:
> http://www.electrotest.co.nz/Technical+Papers++Downloads/Technical
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> The Original article I used to develop the ground system i used in
> Florida (sand as ground). This is what
> Florida Power used in their substations. Good enough for them...was
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> http://blog.jmtestsystems.com/index.php/6-simple-steps-to-design-an-economical-grounding
-system/
>
>
>

>
> You might want to read this MIT article too:
> http://web.mit.edu/~jhawk/tmp/p/EST016_Ground_Loops_handout.pdf
>
>
> Hope these help!
> 73,
> Dave-KJ4PF
>
>
> -----Original Message-----
> From: David Cole dave@... [ham-antennas]
> <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Sat, Nov 8, 2014 11:15 pm
> Subject: Re: [ham-antennas] Re: New RF interference killing RX at my
> QTH
>
>
> What is a Wheatstone ground?
>

34655. Re: [ham-antennas] Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 16:57:47 UTC
From: Mel Farrer
Topic: 34644 Message: 34655

Joel, the reactance allows you to tune the sweet spot of the antenna around on the band.
Mel, K6KBE

From: "schwartzj22@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, November 8, 2014 10:03 PM
Subject: [ham-antennas] Reactance in an OCF antenna

To all,
In the files section K6KBE listed in his folder K6KBE EZNEC files an OCF antenna file called OCFportabledipole.EZ.
In the design on segment 9 on wire #1 there is a reactance of 20 ohms. What is the purpose of this reactance?
Tks,
Joel – N3GSE

<!--

34656. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 17:06:39 UTC
From: David V Colton
Topic: 34621 Message: 34656

Julie:
Go to YouTube. You can do a search for "RFI Noise on Ham Radio" You can then listen to different noises till you find out WHAT type of interference you have.

You can start here:

http://www.youtube.com/watch?v=Z8KcQdiL8Sw

http://www.youtube.com/watch?v=eH_HhcjdCH0

AND..my problem with my "new" next door neighbor's 60" Panasonic Plasma TV! (Sounds exactly like THIS!)

http://www.youtube.com/watch?v=C16e82vnDxY

-----Original Message-----
From: Julie Bunker quilterlizzie@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Nov 8, 2014 11:26 pm
Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH

I have been watching this thread with interest. Last Sunday evening, 11-2-14, when I turned my transceiver on, I was met with sever RFI. This has been going on all week at all hours of the day. I am receiving it across the 160M, 80M, and 40M bands. Each band has a reading of 20 to 40 over on the S-meter. I have not been able to transmit successfully since this began except intermittently. It seems that my transmissions are very light and lost in the noise. So now, I am frantically searching through my RFI Book to see what I can glean. If any of you have any ideas for a starting point I would definitely like to hear about it. Well, off to find my portable am radio!!

Julie - KV7JB

34657. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 17:15:40 UTC
From: David V Colton
Topic: 34621 Message: 34657

Good Info! Back in the 80's & 90's door bell txfmr's were the number one problem I had. (even though I was a Sheriff's Deputy, I worked for Florida Power (now Duke Power) too.) Cops never get rich...most of us worked a 2nd job to pay the bills.
Today most door bells are wireless and the problem has slowly disappeared. Now where I live, people put up electric fence's to protect their summer garden's from deer. The CHEAP ones create a "popping" noise.
RFI problems change from region to region...they NEVER go away!
73,
Dave-KJ4PF

-----Original Message-----
From: 'Larry Taylor' kf6jbg@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sat, Nov 8, 2014 11:59 pm
Subject: RE: [ham-antennas] New RF interference killing RX at my QTH

I use to do this for a power company and look for TVI's that Hams would call in.. The best Antenna we found was a bent peace of antenna rod that was laying flat on the roof but not touching it. Mag mount ant on the roof would also work folded flat. We used a Zenith Short Wave Receiver and start out on the lower freq's and when we got closer you could pick it up on the higher freq's. Another power company would just drive around using their AM band radio tuned to a none radio station channel and listen there. With the power company the main problem was loose hardware that's in the powerline magnetic field. Street lights that flicker on and off. The Majority of the TVI were at homes. Here is a list of things I found. Door bell transformers, Light dimmers turn down but not off, Fish tank heaters, Electric blankets, Electric heating pads, old t hermostat used on heater. Things that had Bi Metal contacts to turn and off items. The very first thing I would do would take a portable radio out to the power meter and put it nearby. When the noise was happening turn off 1 breaker at a time until there all off. This eliminates your home. You know it could be in your neighbors home too, so stay good friends with them and get there permission if you plan on doing the same thing with their breakers.
Larry KF6JBG

34658. Re: [ham-antennas] New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 17:22:58 UTC
From: David V Colton
Topic: 34621 Message: 34658

Damn! I like your line of thought. Guess I need to become "active" on 6 meters. I just "hope" I can get into her cable feed. Hummm! Maybe a "loose" cable connector (or ground?) <more EVIL grin>
In another year...you won't be able to buy a plasma. But waiting for all the one's out there to DIE...is another problem.

73,
Dave-KJ4PF

-----Original Message-----
From: Joe Wolfe w7rkn.7@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Nov 9, 2014 12:06 am
Subject: RE: [ham-antennas] New RF interference killing RX at my QTH

500 watts into the antenna on 6 meters will do a good job of getting them to turn the set off! We had a plasma move in next door to me, several years ago….50 Mhz suddenly got hot….(AHEM)…2 days later, Best Buy was out, picking up the TV and delivering a different type. *It* was quiet! <<EVIL GRIN>>

34659. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 17:46:45 UTC
From: David V Colton
Topic: 34621 Message: 34659

I should clarify a few things. I used 3/4 inch copper water pipe for my "ground rod's". I soldered a hose connector onto a 2 ft copper pipe, (as my aquifer feed pipe.) I then soldered that to a 10 ft section of copper pipe. Turned on the water and let it slowly aquify into the ground until about 3 feet remained. I then unsoldered the feed pipe, put a connector between the next 10 foot piece, soldered the connector, and did it all over again. it took about an hour per 30 ft ground pipe to "git er done". The ground where I live is pretty hard after the 1st 8 to 10 feet. And I don't even know if civilian's can find/buy a 30 foot solid copper ground rod.
I figured I better clarify...before everyone thinks I "am full of s***" Like my other half is so fond of using, as a term of "endearment" during adult discussions.
The married guys know what I am talking about...you single guys WILL "learn" in time.
73,
Dave-KJ4PF

-----Original Message-----
From: David Cole dave@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Nov 9, 2014 11:55 am
Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Dave (KJ4PF),
Thank you for the info and the links!!! I am just about ready to put a
new ground down, and am looking at methods...
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-11-09 at 11:48 -0500, David V Colton DVC3565@...
[ham-antennas] wrote:

Dave:
Look at the following to help you understand just what a Wheatstone Ground is. Basically I put 3-30 foot copper grounds down in a triangle, spaced 8
foot apart, with a 6 foot ground in the center of the triangle. These are all tied together with #2 copper wire to "bridge" the ground rods together.
The system in Florida had Caldwell connectors. Here I just used GOOD compression ground clamps, as I don't plan on it being a permanent install.
Your ground wire to your station is fed from the point where all the ground wires are tied to the center ground rod.

Ground Resistance Testing:
http://www.electrotest.co.nz/Technical+Papers++Downloads/Technical+papers.html

The Original article I used to develop the ground system i used in Florida (sand as ground). This is what Florida Power used in their substations.
Good enough for them...wasgood enough for me:
http://blog.jmtestsystems.com/index.php/6-simple-steps-to-design-an-economical-grounding-system/

You might want to read this MIT article too:
http://web.mit.edu/~jhawk/tmp/p/EST016_Ground_Loops_handout.pdf

Hope these help!
73,
Dave-KJ4PF

34660. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 18:08:42 UTC
From: Original Woodchuck
Topic: 34621 Message: 34660

On Sun, Nov 09, 2014 at 12:46:45PM -0500, David V Colton DVC3565@... [ham-antennas] wrote:
> I should clarify a few things. I used 3/4 inch copper water pipe for my "ground rod's". I soldered a hose connector onto a 2 ft copper pipe, (as my aquifer feed pipe.) I then soldered that to a 10 ft section of copper pipe. Turned on the water and let it slowly aquify into the ground until about 3 feet remained. I then unsoldered the feed pipe, put a connector between the next 10 foot piece, soldered the connector, and did it all over again. it took about an hour per 30 ft ground pipe to "git er done". The ground where I live is pretty hard after the 1st 8 to 10 feet. And I don't even know if civilian's can find/buy a 30 foot solid copper ground rod.

.....

I wish water would dissolve rock. This hillside in PA is rather
challenging. The deepest I could get was about 6 ft using a large Bosch
(two handed) electric jack hammer, capable of mushrooming 5/8" copper-clad
steel rods. Rocks, more rocks, parts of old mountains, large ones,
little ones, hard ones, harder ones...

Dave AB3NR

34661. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 18:11:24 UTC
From: Joe
Topic: 34621 Message: 34661
Attachments: 1 described; binary payloads are missing from this source WARC

I wonder,

what if any study has ever been done in grounding, what is better or if
it makes any difference even,

Say a ground rod like this 30 feet down, just one, a 30 foot long one.
in other words 30 feet deep?

Compared to a same diameter copper conductor also 30 feet long, but not
vertical bur buried say 1 foot down.

it still has 30 feet of earth touching.

Anyone?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 11/9/2014 11:46 AM, David V Colton DVC3565@... [ham-antennas] wrote:
>
>
> *I should clarify a few things. I used 3/4 inch copper water pipe for
> my "ground rod's". I soldered a hose connector onto a 2 ft copper
> pipe, (as my aquifer feed pipe.) I then soldered that to a 10 ft
> section of copper pipe. Turned on the water and let it slowly aquify
> into the ground until about 3 feet remained. I then unsoldered the
> feed pipe, put a connector between the next 10 foot piece, soldered
> the connector, and did it all over again. it took about an hour per 30
> ft ground pipe to "git er done". The ground where I live is pretty
> hard after the 1st 8 to 10 feet. And I don't even know if civilian's
> can find/buy a 30 foot solid copper ground rod.*
> *I figured I better clarify...before everyone thinks I "am full of
> s***" Like my other half is so fond of using, as a term of
> "endearment" during adult discussions.*
> *The married guys know what I am talking about...you single guys WILL
> "learn" in time.*
> *73,*
> *Dave-KJ4PF *
>
>
> -----Original Message-----
> From: David Cole dave@... [ham-antennas]

> <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Sun, Nov 9, 2014 11:55 am
> Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH
>
> Dave (KJ4PF),
> Thank you for the info and the links!!! I am just about ready to put a
> new ground down, and am looking at methods...
> --
> Thanks and 73's,
> For equipment, and software setups and reviews see:
> www.nk7z.net <http://www.nk7z.net>
> for MixW support see;
> http://groups.yahoo.com/neo/groups/mixw/info
> for Dopplergram information see:
> http://groups.yahoo.com/neo/groups/dopplergram/info
> for MM-SSTV see:
> http://groups.yahoo.com/neo/groups/MM-SSTV/info
>
> On Sun, 2014-11-09 at 11:48 -0500, David V Colton DVC3565@...
> <mailto:DVC3565@...>
> [ham-antennas] wrote:
>
> Dave:
> Look at the following to help you understand just what a
> Wheatstone Ground is. Basically I put 3-30 foot copper grounds down in
> a triangle, spaced 8
> foot apart, with a 6 foot ground in the center of the triangle.
> These are all tied together with #2 copper wire to "bridge" the ground
> rods together.
> The system in Florida had Caldwell connectors. Here I just used GOOD
> compression ground clamps, as I don't plan on it being a permanent
> install.
> Your ground wire to your station is fed from the point where all the
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> Ground Resistance Testing:
> http://www.electrotest.co.nz/Technical+Papers++Downloads/Technical_+papers.html
> _
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> The Original article I used to develop the ground system i used
> in Florida (sand as ground). This is what Florida Power used in their
> substations.
> Good enough for them...wasgood enough for me:
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-system/
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> You might want to read this MIT article too:
> http://web.mit.edu/~jhawk/tmp/p/EST016_Ground_Loops_handout.pdf
> <http://web.mit.edu/%7Ejhawk/tmp/p/EST016_Ground_Loops_handout.pdf>
>
>
> Hope these help!
> 73,
> Dave-KJ4PF
>
>
>
>

34662. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 18:13:31 UTC
From: Joe
Topic: 34621 Message: 34662
Attachments: 1 described; binary payloads are missing from this source WARC

And even if you were to get through those rocks, they are terrible
conductors, so your grounding benefit from all that work is little to none.
Hense the question I just posted,, if not deep how about horizontally?
Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 11/9/2014 12:08 PM, Original Woodchuck marmota@...
[ham-antennas] wrote:
> On Sun, Nov 09, 2014 at 12:46:45PM -0500, David V Colton DVC3565@... [ham-antennas]
wrote:
>> I should clarify a few things. I used 3/4 inch copper water pipe for my "ground rod's".
I soldered a hose connector onto a 2 ft copper pipe, (as my aquifer feed pipe.) I then
soldered that to a 10 ft section of copper pipe. Turned on the water and let it slowly
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> .....
>
> I wish water would dissolve rock. This hillside in PA is rather
> challenging. The deepest I could get was about 6 ft using a large Bosch
> (two handed) electric jack hammer, capable of mushrooming 5/8" copper-clad
> steel rods. Rocks, more rocks, parts of old mountains, large ones,
> little ones, hard ones, harder ones...
>
> Dave AB3NR
>
>
> ------------------------------------
> Posted by: Original Woodchuck <marmota@...>
> ------------------------------------
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724
members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for
suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com

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> ------------------------------------
>
> Yahoo Groups Links
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34663. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 18:25:36 UTC
From: David V Colton
Topic: 34621 Message: 34663
Attachments: 1 described; binary payloads are missing from this source WARC

Interesting! Now you got me THINKING!
As far as for Power Company's and 60 Hz. Vertical grounds are the way to go.
For RF, most radio and TV stations go horizontal with their grounds.

For me, my RF "problem" is saturation from a plasma TV 30 ft away (next door.)
I will say the better ground, and a few other "tricks" did cut the RFI...by about 10-15 db.
But that only brought it "down" to 40+ db.
I am waiting to see what action the FCC administration takes with her, after their "visit" last Wednesday. (11/5.) Clearly her TV is in violation of the FCC Part 15 Acceptance sticker they say is on the TV.
Dave-KJ4PF

-----Original Message-----
From: Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Sun, Nov 9, 2014 1:11 pm
Subject: Re: [ham-antennas] Re: New RF interference killing RX at my QTH

I wonder,

what if any study has ever been done in grounding, what is better or if it makes any difference even,

Say a ground rod like this 30 feet down, just one, a 30 foot long one. in other words 30 feet deep?

Compared to a same diameter copper conductor also 30 feet long, but not vertical bur buried say 1 foot down.

it still has 30 feet of earth touching.

Anyone?

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

34664. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 19:09:03 UTC
From: David Cole
Topic: 34621 Message: 34664

Could you expand on the "visit" from teh FCC part of that a bit please?
--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Sun, 2014-11-09 at 13:25 -0500, David V Colton DVC3565@...
[ham-antennas] wrote:
>
>
> Interesting! Now you got me THINKING!
> As far as for Power Company's and 60 Hz. Vertical grounds are the way
> to go.
> For RF, most radio and TV stations go horizontal with their grounds.
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> (next door.)
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> I am waiting to see what action the FCC administration takes with her,
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> Dave-KJ4PF
>
>
>
> -----Original Message-----
> From: Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Sun, Nov 9, 2014 1:11 pm
> Subject: Re: [ham-antennas] Re: New RF interference killing RX at my
> QTH
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> Compared to a same diameter copper conductor also 30 feet long, but
> not vertical bur buried say 1 foot down.
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> Anyone?
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> Joe WB9SBD
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> The Original Rolling Ball Clock
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>
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34665. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 19:14:29 UTC
From: Original Woodchuck
Topic: 34621 Message: 34665

On Sun, Nov 09, 2014 at 12:13:31PM -0600, Joe nss@... [ham-antennas] wrote:
> And even if you were to get through those rocks, they are terrible
> conductors, so your grounding benefit from all that work is little
> to none.
> Hense the question I just posted,, if not deep how about horizontally?
> Joe WB9SBD

Depth beyond a foot or so doesn't get you anything, supposedly, for
a RF ground, but it is what you want for lightning and power ground.
Going horizontally or diagonally is less desirable. So I hear, anyway.

Dave AB3NR

34666. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 19:29:51 UTC
From: Geoff McAlpin
Topic: 34621 Message: 34666

Right.

Our electric co (and the NEC IIRC) says that if you can't get the entire 10' ground rod in, then in get as much as you can then bend the rest over - or try diagonally. An alternative is to use a large sq in copper plate burried about 18" deep.Around here we have lots of granite in the ground due to glacial activity so it is difficult at times to get our ground rods the full 10', though I was lucky when I moved my elec svc for the house, I used a rotohammer with a ground rod driving attachment and got all mine in the full length.
On Nov 9, 2014 11:14 AM, "Original Woodchuck marmota@embarqmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> On Sun, Nov 09, 2014 at 12:13:31PM -0600, Joe nss@... [ham-antennas]
> wrote:
> > And even if you were to get through those rocks, they are terrible
> > conductors, so your grounding benefit from all that work is little
> > to none.
> > Hense the question I just posted,, if not deep how about horizontally?
> > Joe WB9SBD
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> Depth beyond a foot or so doesn't get you anything, supposedly, for
> a RF ground, but it is what you want for lightning and power ground.
> Going horizontally or diagonally is less desirable. So I hear, anyway.
>
> Dave AB3NR
>
>

34667. [ham-antennas] Odd antenna configuration question

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 21:13:24 UTC
From: Geoff McAlpin
Topic: 34617 Message: 34667

Would you be able to put up an inverted L?

I am currently working on this antenna:

http://www.qsl.net/hb9mtn/hb9mtn_h-pole.html

I just built my 600 ohm feed line last night and the cross arms yesterday
were drilled to accept the antenna wire. Hopefully I'll be able to get the
rest assembled this week.

On Saturday, November 8, 2014, wd4aon@...
<javascript:_e(%7B%7D,'cvml','wd4aon@...');> [ham-antennas] <
ham-antennas@...m
<javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:

>
>
>
> Sehr geerhter Herr Sigi,
>
>
> Thanks for your suggestions. I was hoping for commentary from Europe
> since the gardens there are often small like my schoolhouse property.
>
>
> I was thinking of trying a triangular loop, fed at/near the top of the
> maple tree, horizontally across to the locust tree, up to the top of the
> locust, and back diagonally down to the feed at the top of the maple tree.
> If I recall my antenna theory (from 1960), that would be horizontally
> polarized with the maximum height at the far corner. Alternatively, a
> triangle could be fed from the eave of the schoolhouse (at about 14 feet)
> diagonally in both azimuth and elevation up to the maple top and then
> diagonally up to the locust top, and then diagonally in both azimuth and
> elevation back to point of origin at the eave. A lot of it would be partly
> horizontal going out from the feed point to the top ends. This would give
> weather protection to the autotuner, easy access, but who knows what
> characteristics?
>
>
> The doublet would allow the autotuner to mount at the eave, and my
> available windowline could feed the doublet. However, the doublet would run
> upwards from the low end to the high end at a significant angle, and since
> the doublet style is to be equally balanced to be effective, how would I
> make it have equal impedances with unequal ground reference distances? And
> what directionality characteristics?
>

>
> The two maple trees in the front yard would form a very narrow angle to
> the locust tree, which is at the most remote distance from the shack and
> hardest to string the feed line. Also, the run from the locust to the maple
> which does not yet have an eyebolt runs in a line where the bell tower
> lies. Further, medium high voltage power lines run through the maples on
> the street side, and I don't want to go messing with high voltage power
> lines, so I can't shoot a line over with a tennis cannon.
>
>
> I have no midpoint to hang the doublet/dipole center from.
>
>
> What I was really hoping for was some commentary about the
> directionality, and other characteristics resulting from the end to end
> angle with respect to the ground reference.
>
>
> Was sagen Sie?
>
>
> Mit freundliche grusse und 73,
>
> Terry
>
> de wd4aon@...
>
>
>

--
Geoff, NM7V
Seattle, WA
CN87tr

34668. Re: Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 21:40:41 UTC
From: schwartzj22@...
Topic: 34644 Message: 34668

Mel,

Wow, this raises more questions for me. Sorry about all these questions. I have done lot of modeling but have not yet employed resistance or reactance in the models.

Is this a reactance that is part of the actual physical antenna?
Is this a reactance that is only part of the modeling?
Is this reactance capacitive or inductive?
By sweet spot do you mean that by plugging in a specific amount of reactance (I guess either capacitive or inductive) in the model you can tune within a band for low SWR?
Once you know that right value of reactance do you then physically modify the antenna?

Tks,
Joel - N3GSE

34669. Re: [ham-antennas] Re: Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 22:02:41 UTC
From: Mel Farrer
Topic: 34644 Message: 34669

OK Joel,
First, I have built and tested the antenna with a AIRDUX coil with a jumper strap to set the frequency of interest. Later I put in a variable inductor with a gear motor drive. I have re-moted the control so I can tune the antenna from the operating position. It is a permanent part of the antenna now. Yes the reactance is part of the total wire list.
Yes, depending on where you design the antenna, you can use either cap or ind. I have done both. If you want to use a cap design it for the bottom of the band, for inductor, design it for the top of the band.

I leave the reactance in. I do not change the physical antenna. Pictures and word document explaining the design available of the fixed and variable version. Glad to share.

Mel, K6KBE
From: "schwartzj22@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 9, 2014 1:40 PM
Subject: [ham-antennas] Re: Reactance in an OCF antenna

  Mel,
Wow, this raises more questions for me. Sorry about all these questions. I have done lot of modeling but have not yet employed resistance or reactance in the models.
Is this a reactance that is part of the actual physical antenna?Is this a reactance that is only part of the modeling?Is this reactance capacitive or inductive?By sweet spot do you mean that by plugging in a specific amount of reactance (I guess either capacitive or inductive) in the model you can tune within a band for low SWR?Once you know that right value of reactance do you then physically modify the antenna?
Tks,Joel – N3GSE

34670. Re: [ham-antennas] Re: Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 22:13:11 UTC
From: schwartzj22@...
Topic: 34644 Message: 34670

Thanks Mel - Now I get it! No need for more info. My antenna building needs to be very simple. Tks,
Joel - N3GSE

34671. Re: [ham-antennas] Re: Reactance in an OCF antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-09 22:18:40 UTC
From: Mel Farrer
Topic: 34644 Message: 34671

No problem. Glad to help on modelling design work on unusual needs.
Mel, K6KBE

From: "schwartzj22@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Sunday, November 9, 2014 2:13 PM
Subject: Re: [ham-antennas] Re: Reactance in an OCF antenna

Thanks Mel - Now I get it! No need for more info. My antenna building needs to be very simple.Tks,Joel - N3GSE

34672. Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 01:41:44 UTC
From: Goldtr8 (KD8NNU)
Topic: 34672 Message: 34672

Well I made some progress tonight on the way home.

I used my mobile rig with hamsticks to listen while driving on the way home from work. I tuned to 3.902 which is a very strong frequency that gets trashed at the home QTH and used a 40m hamstick as the receiving antenna. The idea for this setup was to be able to attenuate the signal as I got closer to it.

Anyway while driving home with the pre-amp on the IC-7000 when suddenly the noise was present and strong less than 1 mile from my house. I drove around until it got real loud and turned the pre-amp off and it went away. I then drove around with the pre-amp on until it was at about an s7 on the meter then turned the preamp off as I was close and then drove around until there was about 1 s-unit showing on the meter. I could hear the noise with the pre-amp off when close and the s meter small reading confirmed that I was real close.

The noise is clearly in one subdivision close to my house but I can not tell what is the source at this time. I also know the noise does not show up on the AM radio in the car although bad power poles do show up.

So to me major progress has been made, now I need to identify where in the subdivision or maybe what house this trash is coming from. Next short term step is to listen to the links several folks have sent to me to see if any of them match what I am hearing so I know what I am looking for.

I will keep the list updated as I learn more about the problem.

Cheers and thanks for the tips so far.

Don

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-
-----Original Message-----
From: Jim Brown
Sent: Saturday, November 08, 2014 3:22 PM
To: topband@...
Subject: Re: Topband: New RF interference killing RX at my QTH

On Sat,11/8/2014 9:33 AM, Goldtr8 (KD8NNU) wrote:
> I need to make a noise finding antenna that I can take in my vehicle to
> look for a source of noise on 160m and 80m bands.

Several useful tools. 1) Tecsun PL380 -- a nice AM/FM/Shortwave portable, DSP IF, has built-in loopstick antenna. About $45. 2) A ham talkie that has wideband RX. My Kenwood TH-F6A does that and has a built-in loopstick antenna.

73, Jim K9YC

_____
Topband Reflector Archives - http://www.contesting.com/_topband

34673. Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 13:54:45 UTC
From: ke7zag@...
Topic: 34672 Message: 34673

Hi Don,

Look for a utility water transfer pump station or a sewer pump station. All the new pumps are Variable Frequency Drive (VFD) to save energy costs and that generates RF if not properly filtered at the source. The other issue to watch is that such pumps do not run constantly, so will shut off and then ramp up slowly when required, so the interference may change frequencies and/or intensity as such pumps cycle.

The same can be true for local water and irrigation wells in rural areas.

Conventional water and sewer transfer pumps can do the same sort of thing when the internal laminations start working loose and shifting the magnetic fields randomly.

Commercial utility power regulators can be a source of such interference too. Generally they will be a series of three pole mounted transformer looking devices installed along a rural power line, but not near any residences or major structures.

73's
Randy

34674. AW: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 15:23:54 UTC
From: siegfried jackstien
Topic: 34672 Message: 34674

Hello Don

You have found a location where the noise is really strong??? So then try to pinpoint it with a small receiving loop (fox hunting style)

That loop does not need to be resonant (cause you do NOT wanna transmit with it)

A 3-4 feet wire ... turned into a loop ... and then connected to a short coax should do the job

Sometimes these noise sources also show up in vhf or uhf area (if you are really close!) so then also a beam and a "scanner" could be used to find exactly the noise source

Good luck

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 11. November 2014 01:42
> An: topband@...; ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Topband: New RF interference killing RX at my
> QTH
>
>
>
> Well I made some progress tonight on the way home.
>
> I used my mobile rig with hamsticks to listen while driving on the way
> home
> from work. I tuned to 3.902 which is a very strong frequency that gets
> trashed at the home QTH and used a 40m hamstick as the receiving antenna.
> The idea for this setup was to be able to attenuate the signal as I got
> closer to it.
>
> Anyway while driving home with the pre-amp on the IC-7000 when suddenly
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> noise was present and strong less than 1 mile from my house. I drove
> around until it got real loud and turned the pre-amp off and it went away.
> I then drove around with the pre-amp on until it was at about an s7 on the
> meter then turned the preamp off as I was close and then drove around

> until
> there was about 1 s-unit showing on the meter. I could hear the noise with
> the pre-amp off when close and the s meter small reading confirmed that I
> was real close.
>
> The noise is clearly in one subdivision close to my house but I can not
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> what is the source at this time. I also know the noise does not show up on
> the AM radio in the car although bad power poles do show up.
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> subdivision or maybe what house this trash is coming from. Next short term
> step is to listen to the links several folks have sent to me to see if any
> of them match what I am hearing so I know what I am looking for.
>
> I will keep the list updated as I learn more about the problem.
>
> Cheers and thanks for the tips so far.
>
> Don
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
> -----Original Message-----
> From: Jim Brown
> Sent: Saturday, November 08, 2014 3:22 PM
> To: topband@...
> Subject: Re: Topband: New RF interference killing RX at my QTH
>
> On Sat,11/8/2014 9:33 AM, Goldtr8 (KD8NNU) wrote:
> > I need to make a noise finding antenna that I can take in my vehicle to
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>
> Several useful tools. 1) Tecsun PL380 -- a nice AM/FM/Shortwave
> portable, DSP IF, has built-in loopstick antenna. About $45. 2) A ham
> talkie that has wideband RX. My Kenwood TH-F6A does that and has a
> built-in loopstick antenna.
>
> 73, Jim K9YC
> _____
> Topband Reflector Archives - http://www.contesting.com/_topband
>
>
>
>

34675. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 16:17:58 UTC
From: Kenneth G. Gordon
Topic: 34672 Message: 34675

On 11 Nov 2014 at 15:23, 'siegfried jackstien' siegfried.jackstien wrote:

> Sometimes these noise sources also show up in vhf or uhf area (if you are
> really close!) so then also a beam and a "scanner" could be used to find
> exactly the noise source

Yes, but the VHF/UHF receiver must have an AM detector and an "S" meter.
An FM detector will not be much use.

Ken W7EKB

34676. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 18:45:28 UTC
From: Geoff McAlpin
Topic: 34672 Message: 34676

A vx-7r would work for this purpose.

On Tuesday, November 11, 2014, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 11 Nov 2014 at 15:23, 'siegfried jackstien' siegfried.jackstien wrote:
>
> > Sometimes these noise sources also show up in vhf or uhf area (if you are
> > really close!) so then also a beam and a "scanner" could be used to find
> > exactly the noise source
>
> Yes, but the VHF/UHF receiver must have an AM detector and an "S" meter.
> An FM detector will not be much use.
>
> Ken W7EKB
>
>

--
Geoff McAlpin, NM7V
Seattle, WE
CN87tr

34677. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 18:50:22 UTC
From: farrerfolks@...
Topic: 34672 Message: 34677

As will any of the older TV VHF analog field strength meters, remember them?

Mel, K6KBE

34678. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-11 19:49:31 UTC
From: Kenneth G. Gordon
Topic: 34672 Message: 34678

On 11 Nov 2014 at 10:50, farrerfolks@... [ham-antennas] wrote:

> As will any of the older TV VHF analog field strength meters, remember them?

Yes. I sure do!

Ken W7EKB

34679. Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-12 05:12:17 UTC
From: schwartzj22@...
Topic: 34672 Message: 34679

Ken / Don,

The MFJ-852 is a single-frequency broadband AM receiver operating in the 135 MHz region.

I just bought one ($119) and received it today. I also have an RFI problem.

Joel - N3GSE

34680. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-12 12:19:21 UTC
From: David Cole
Topic: 34672 Message: 34680

Hi Gents,
THis URL:
http://nk7z.net/category/info/mitigation-of-rf-interference/
links to around eight articles on RFI. Hopefully you find then helpful.

--
Thanks and 73's,
For equipment, and software setups and reviews see:
www.nk7z.net
for MixW support see;
http://groups.yahoo.com/neo/groups/mixw/info
for Dopplergram information see:
http://groups.yahoo.com/neo/groups/dopplergram/info
for MM-SSTV see:
http://groups.yahoo.com/neo/groups/MM-SSTV/info

On Tue, 2014-11-11 at 21:12 -0800, schwartzj22@... [ham-antennas]
wrote:
>
>
> Ken / Don,
>
>
> The MFJ-852 is a single-frequency broadband AM receiver operating in
> the 135
> MHz region.
>
>
> I just bought one ($119) and received it today. I also have an RFI
> problem.
>
>
> Joel - N3GSE
>
>
>
>
>

34681. Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 02:02:14 UTC
From: kenf01@...
Topic: 34681 Message: 34681

I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?

Ken W3CAT

34682. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 02:34:57 UTC
From: Mike
Topic: 34681 Message: 34682

you can buy coated wire .. from the wiremen (wireman ??)

On 11/12/2014 06:02 PM, kenf01@... [ham-antennas] wrote:
>
> I have a G5RV that uses bare wire. Is it wise to put this up? Or
> should I do something like use shrink wrap tubing on the wire?
>
>
> Ken W3CAT
>
>

--
Mike KC7NOA

34683. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 03:34:34 UTC
From: soona4sail@...
Topic: 34681 Message: 34683

Bare stranded copper wire, picks up moisture, with airborne pollutants, which induces corrosion. Use insulated wire. As for wire suppliers, just get a roll of insulated black primary wire from your local auto parts store. Lots of the fancy name wires, being peddled by amateur radio supply stores, is nothing more than farm electric fence wire, or welding wire. Same thing with insulators. If you want electric fence wire, or insulators, go to your local farm store. It,s about $20 for a 1000ft.

If you want insulated stranded copper wire, (best choice) that is UV resistant, go to your auto parts store. Primary wire is used to wire boat trailers, autos, RV,s etc etc. It is good stuff, and has not been repackaged under a fancy amateur radio title.

73 John

34684. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 03:39:15 UTC
From: Myron WVØH
Topic: 34681 Message: 34684

Ken,

Electrically, I've seen very little difference in EZNEC results modeling with both types over the years and zero difference in practice. There would only be mechanical issues as discussed in the posts already posted. I've seen insulated stranded wire pick up moisture and get corroded, so there are always trade-offs.

Myron WVØH
Printed on Recycled Data

> On Nov 12, 2014, at 7:02 PM, kenf01@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
>
>
>
> Ken W3CAT
>
>

34685. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 05:12:46 UTC
From: John P.
Topic: 34681 Message: 34685

Hi,

I read somewhere on the internet that the "THHN" insulation reduces the velocity factor by about 5%. Thus the antenna (dipole) needs to be about 5% shorter than calculated.

Anyway, I always cut for the extreme high end of the band and then at each end add a short hanging wire from the antenna. This makes tuning easier since the hanging wire can be trimmed and/or twisted back on itself. It avoids the need to "fiddle" with the wire on the end insulators.

John - WA2HIP

On Thu, 11/13/14, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Subject: Re: [ham-antennas] Insulated vs Bare Wire
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Date: Thursday, November 13, 2014, 3:39 AM

Ken,
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little difference in EZNEC results modeling with both types
over the years and zero difference in practice. There would
only be mechanical issues as discussed in the posts already
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trade-offs.

Myron
WVØHPrinted on Recycled
Data
On Nov 12,
2014, at 7:02 PM, kenf01@gmail.com
[ham-antennas] <ham-antennas@yahoogroups.com>
wrote:

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it wise to put this up? Or should I do something like use
shrink wrap tubing on the wire?
Ken W3CAT

34686. [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 06:10:49 UTC
From: Geoff McAlpin
Topic: 34681 Message: 34686

That's the reason Ward Silver (N0AX) suggests using the formula 492/f when calculating the wire needed for a dipole, so you have that extra length added in from the start.

On Wednesday, November 12, 2014, 'John P.' jpetrocxme@...
<javascript:_e(%7B%7D,'cvml','jpetrocxme@...');> [ham-antennas] <
ham-antennas@yahoogroups.com
<javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>> wrote:

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> Hi,
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>
> John - WA2HIP
>
> ---
> On Thu, 11/13/14, Myron WVØH s9plus@... [ham-antennas] <
> ham-antennas@yahoogroups.com> wrote:
>
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
> To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
> Date: Thursday, November 13, 2014, 3:39 AM
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> wrote:
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34687. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 10:45:16 UTC
From: A
Topic: 34681 Message: 34687

One operator from ID . sent me info on his Aluminum Fence Wire Yagi - 6 Elements, on EMT masts, very strong signal , got the Wire from - http://www.farmandfleet.com/products/205352-dare-14-gauge-premium-aluminum-electric-fence-wire.html#.VGSKAslNeQR

This was for 40 meters ! with a Relay to switch Directors , very kewl set up . I did invite him here to join in and share .
73s, Aj W5heh

34688. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 12:41:27 UTC
From: Don Sanders
Topic: 34681 Message: 34688

I usually cut wire for low end of band, place insulators at the length of the upper half to 2/3 frequency, then let the ends hang down for cutting to desired frequency. Therefore no soldering of wire ends. I also cover the wire ends with RTV or coaxseal, same as middle to keep moisture out.
I had a 80 and 40 dipoles made with #12 solid house wire, fed with same coax and 90 degrees apart installed, that I used for over 30 years. I changed the RG8 to RG8x after 20 years. It was still working well when I gave it away when I moved.

Dr Don HC4/W4BWS

>
> I read somewhere on the internet that the "THHN" insulation reduces the
> velocity factor by about 5%. Thus the antenna (dipole) needs to be about 5%
> shorter than calculated.
>
> Anyway, I always cut for the extreme high end of the band and then at each
> end add a short hanging wire from the antenna. This makes tuning easier
> since the hanging wire can be trimmed and/or twisted back on itself. It
> avoids the need to "fiddle" with the wire on the end insulators.
>
> John - WA2HIP
>
> ---
>
>

34689. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 13:34:58 UTC
From: Myron WVØH
Topic: 34681 Message: 34689

But this is due to the length to diameter ratio, not dielectric loading. If you crack open the ARRL Antenna Book to the section of Antenna Fundamentals you will find that length to diameter ratio is heavily based on the reactance for a given diameter of conductor and not about the dielectric loading on the conductor, although there may be a small loading effect it is overshadowed by the first order effect of the L/D ratio.

Extremely thin wires for a given wavelength will experience higher reactance variations over frequency.

Myron WVØH
Printed on Recycled Data

> On Nov 12, 2014, at 10:12 PM, 'John P.' jpetrocxme@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I read somewhere on the internet that the "THHN" insulation reduces the velocity factor by about 5%. Thus the antenna (dipole) needs to be about 5% shorter than calculated

34690. Re: [ham-antennas] Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 15:52:14 UTC
From: Ken
Topic: 34681 Message: 34690

The beauty of copper is that the copper oxide that forms protects the wire and is conductive. It doesn't hurt at all.

Insulated wire is a bit heavier so it sags more and collects more ice in an ice storm. OTOH, you will get less static build up from charged rain and snow flakes.

Bottom line, it doesn't make any significant difference whether the wire is insulated or not other than the minor change in the velocity factor. Bare wire does make it a bit easier to adjust the length just by wrapping the wire back on itself.

Comparing Copperweld to fence wire or welding wire is totally wrong! Copper coated welding wire has a very thin coating and will not hold up over time. Heck, even inside the shop it may start to rust on the spool after a year or two. Copperweld is a much thicker coating. And it's not just the weather resistance but also the thickness of the copper for conducting the RF.

I have never seen copper coated fence wire at any farm store. Aluminum fence wire is soft and won't hold up over any distance without stretching (8-12' between fence posts.) It's also hard to solder and make good connections. Galvanized fence wire for antennas? No thank you.

If you want insulated wire, THHN from Lowes, Home Depot, etc. is reasonable. #14 runs $45 for 500' locally. You could get bare copper also but that's always soft drawn and you really want hard drawn copper wire for antennas. Soft drawn copper will stretch and change the frequency over time. Either get hard drawn copper or Copperweld.

I guess an autoparts store would be okay for wire for 6 or 10m, but I've never seen them have it in long enough spools for and 80 or 160m antenna. And they seem to be more expensive than Lowes.

Ken WA8JXM

On Nov 12, 2014, at 10:34 PM, soona4sail@yahoo.com [ham-antennas] wrote:

> Bare stranded copper wire, picks up moisture, with airborne pollutants, which induces corrosion. Use insulated wire. As for wire suppliers, just get a roll of insulated black primary wire from your local auto parts store. Lots of the fancy name wires, being peddled by amateur radio supply stores, is nothing more than farm electric fence wire, or welding wire. Same thing with insulators. If you want electric fence wire, or insulators, go to your local farm store. It,s about $20 for a 1000ft.
>
> If you want insulated stranded copper wire, (best choice) that is UV resistant, go to your auto parts store. Primary wire is used to wire boat trailers, autos, RV,s etc etc. It is good stuff, and has not been repackaged under a fancy amateur radio title.

34691. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 16:23:33 UTC
From: Geoff McAlpin
Topic: 34681 Message: 34691

I bought 300' of the DX Engineering 'premium antenna wire' recently. The thing I like about it is it's nice and flexible and supposedly UV resistant.

On Thursday, November 13, 2014, Ken wa8jxm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> The beauty of copper is that the copper oxide that forms protects the wire
> and is conductive. It doesn't hurt at all.
>
> Insulated wire is a bit heavier so it sags more and collects more ice in
> an ice storm. OTOH, you will get less static build up from charged rain
> and snow flakes.
>
> Bottom line, it doesn't make any significant difference whether the wire
> is insulated or not other than the minor change in the velocity factor.
> Bare wire does make it a bit easier to adjust the length just by wrapping
> the wire back on itself.
>
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> Copper coated welding wire has a very thin coating and will not hold up
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> after a year or two. Copperweld is a much thicker coating. And it's not
> just the weather resistance but also the thickness of the copper for
> conducting the RF.
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> I have never seen copper coated fence wire at any farm store. Aluminum
> fence wire is soft and won't hold up over any distance without stretching
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> connections. Galvanized fence wire for antennas? No thank you.
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> I guess an autoparts store would be okay for wire for 6 or 10m, but I've
> never seen them have it in long enough spools for and 80 or 160m antenna.
> And they seem to be more expensive than Lowes.
>
> Ken WA8JXM
>

> On Nov 12, 2014, at 10:34 PM, soona4sail@...
> <javascript:_e(%7B%7D,'cvml','soona4sail@yahoo.com');> [ham-antennas]
> wrote:
>
> Bare stranded copper wire, picks up moisture, with airborne pollutants,
> which induces corrosion. Use insulated wire. As for wire suppliers, just
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> store. Lots of the fancy name wires, being peddled by amateur radio supply
> stores, is nothing more than farm electric fence wire, or welding wire.
> Same thing with insulators. If you want electric fence wire, or insulators,
> go to your local farm store. It,s about $20 for a 1000ft.
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> If you want insulated stranded copper wire, (best choice) that is UV
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> trailers, autos, RV,s etc etc. It is good stuff, and has not been
> repackaged under a fancy amateur radio title.
>
>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34692. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:03:58 UTC
From: Ken
Topic: 34681 Message: 34692

On Nov 13, 2014, at 11:23 AM, Geoff McAlpin geoff.nm7v@... [ham-antennas] wrote:

> I bought 300' of the DX Engineering 'premium antenna wire' recently. The thing I like about it is it's nice and flexible and supposedly UV resistant.

I bought 1000' of that wire. I agree, it handles very nice. I needed a 600' length for my loop. One span is nearly 300'. I have my doubts that it will hold up to a heavy ice storm but I did want insulated wire to reduce the static build up from charged rain and snowflakes. (If I have a warning I will probably drop the antenna before an ice storm.)

Although the DXE wire is nice to handle, I don't know that it's any better than #14 THHN which is available locally at Lowes for a little lower price. ($90 vs $105 per thousand.) That THHN insulation seems pretty strong.

Ken WA8JXM

34693. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:13:21 UTC
From: L L bahr
Topic: 34681 Message: 34693

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.

34694. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:16:07 UTC
From: Mike
Topic: 34681 Message: 34694

Does it increase the "Q" of coils too ? sounds like it would ...

On 11/13/2014 09:13 AM, 'L L bahr ' pulsarxp@...
[ham-antennas] wrote:
>
>
> Personally I use bare wire in conjunction with Dr. Van der Graf
> Antenna Wax. I found it gives me a minimum of 23 dB gain. However,
> when you apply the wax, immediately wipe it down with a terry cloth
> rag to prevent the dreaded "antenna lock." (A little bit goes a long
> way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer
> needed an amplifier so I sold it. I could not be more happy using Dr.
> Van der Graf Antenna Wax.
>
> Lee, w0vt
>
> PS: I have no financial interest in the Dr. Van der Graf Company.
>
>

--
Mike KC7NOA

34695. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:26:22 UTC
From: L L bahr
Topic: 34681 Message: 34695

I don't know, Mike. I called Dr. Van der Graf some time ago and was told this was proprietary information. All I know is it really works! I wish I would have known about it sooner as I could have saved a lot of time and money. At $23.00 an ounce, it is a real bargain.

Lee, w0vt

----- Original Message -----

From: "Mike Patriot121@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:16:07 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Does it increase the "Q" of coils too ? sounds like it would ...

34696. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:28:18 UTC
From: L L bahr
Topic: 34681 Message: 34696

Mike,

My thoughts are, it might be making the wire "oxygen free". This might be the secret.

Lee, w0vt

----- Original Message -----

From: "Mike Patriot121@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:16:07 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Does it increase the "Q" of coils too ? sounds like it would ...

34697. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:29:18 UTC
From: mveeneman@...
Topic: 34681 Message: 34697

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34698. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:31:19 UTC
From: L L bahr
Topic: 34681 Message: 34698

I don't know, but that may be true.
Lee, w0vt

----- Original Message -----

From: "mveeneman@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:29:18 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34699. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:37:44 UTC
From: L L bahr
Topic: 34681 Message: 34699

To be honest with you, the Dr. Van der Graf Wax was making my signal so strong I was a little worried about FCC repercussions . I was thinking maybe they would suspect I was using illegal power. For that reason I "dampened" the results a little by placing a one pound magnet on each end of my dipole. (I made sure a had the N pole of the magnet facing one end of the antenna and I had the S pole of the other magnet facing the other end of the dipole. I did that to keep the proper phase relationship. That cut my gain down to around 13 dB which, to me, was more realistic. So far, the FCC has not been knocking at my door.)

Lee, w0vt

----- Original Message -----

From: "mveeneman@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:29:18 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34700. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:31:30 UTC
From: Walt Wilson
Topic: 34681 Message: 34700

Where would one find this antenna wax, I have failed to find it by using several search engines

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 12:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.

No virus found in this message.
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Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
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Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34701. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:54:21 UTC
From: L L bahr
Topic: 34681 Message: 34701

I wasn't sure initially the magnets would "dampen" my signal but the final results showed indeed they did help reduce the signal. I think, what is happening, is the signal was "slipping" or moving down the wire from the feedline so quickly due to the Dr. Van der Graf Antenna Wax being so "slippery" that it was just giving me too strong a signal or final result. The magnets are repulsing the wave just enough to slow it down to the point giving me my wished upon 10dB reduction of gain. (The signal is still "slipping" down the wire faster then normal, but not as fast as when the magnets are not "in-line." (My Radio Shack Wave Meter confirms all this.)
Lee, w0vt

From: "'L L bahr ' pulsarxp@embarqmail.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:37:44 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

To be honest with you, the Dr. Van der Graf Wax was making my signal so strong I was a little worried about FCC repercussions. I was thinking maybe they would suspect I was using illegal power. For that reason I "dampened" the results a little by placing a one pound magnet on each end of my dipole. (I made sure a had the N pole of the magnet facing one end of the antenna and I had the S pole of the other magnet facing the other end of the dipole. I did that to keep the proper phase relationship. That cut my gain down to around 13 dB which, to me, was more realistic. So far, the FCC has not been knocking at my door.)
Lee, w0vt

----- Original Message -----

From: "mveeneman@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:29:18 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34702. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 17:57:14 UTC
From: L L bahr
Topic: 34681 Message: 34702

I bought my last batch at my preferred radio parts vender, Radio Shack.
Lee, w0vt

----- Original Message -----

From: "'Walt Wilson' WWILSON@triad.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:31:30 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Where would one find this antenna wax, I have failed to find it by using several search engines

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 12:13 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.
No virus found in this message.
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34703. AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 18:52:35 UTC
From: siegfried jackstien
Topic: 34681 Message: 34703

You can make your own antenna wax very easy ... (dr van der graf will be maybe a bit angry if I tell that here)

Just buy some snake oil and boil it till you have a sticky wax

Then apply to your antenna wire

Can also be used as a q-dope for coils (if you cook some longer cause on coils you need a thicker layer of that wax)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 17:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> I bought my last batch at my preferred radio parts vender, Radio Shack.
>
> Lee, w0vt
>
>
>
> ---------------------------------
>
> From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 11:31:30 AM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Where would one find this antenna wax, I have failed to find it by using
> several search engines
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 12:13 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
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> PS: I have no financial interest in the Dr. Van der Graf Company.
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>
>

34704. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:38:03 UTC
From: email4utoo@...
Topic: 34681 Message: 34704

Sigi, excuse my ignorance , but my Education is worth more than my Ego , hihi,
What is Snake Oil ? Where do we get some ? 73s, AJ W5HEH

34705. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:30:21 UTC
From: Walt Wilson
Topic: 34681 Message: 34705

Contacted the local Radio Shack, they have none nor do they list it in their inventory catalog, and idea where else to find it.

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 12:57 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I bought my last batch at my preferred radio parts vender, Radio Shack.

Lee, w0vt

From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 11:31:30 AM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Where would one find this antenna wax, I have failed to find it by using several search engines

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Subject: Re: [ham-antennas] Insulated vs Bare Wire

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34706. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:35:16 UTC
From: Walt Wilson
Topic: 34681 Message: 34706

Where are you finding this stuff, “snake oil”?

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 1:52 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Insulated vs Bare Wire

You can make your own antenna wax very easy ... (dr van der graf will be
maybe a bit angry if I tell that here)

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Dg9bfc

Sigi

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> Gesendet: Donnerstag, 13. November 2014 17:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
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> From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 11:31:30 AM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
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>
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> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 12:13 PM
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> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com/>
> Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14
>
>
>

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34707. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:57:38 UTC
From: email4utoo@...
Topic: 34681 Message: 34707

Is this stuff similar to Shellack ?

34708. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:47:18 UTC
From: Walt Wilson
Topic: 34681 Message: 34708

Surely you guys are jerking someone’s chain here with these wild concoctions. I have never heard of any radio operator for the last 40 years say that their barefoot setup had too much outgoing power. So fess up and tell it straight

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 2:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Insulated vs Bare Wire

Sigi, excuse my ignorance , but my Education is worth more than my Ego , hihi,
What is Snake Oil ? Where do we get some ? 73s, AJ W5HEH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34709. RE: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:05:20 UTC
From: J43w1
Topic: 34681 Message: 34709

Can you be that " GULLABLE" gobble gobble !!

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, November 13, 2014 2:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Surely you guys are jerking someone’s chain here with these wild concoctions. I have never heard of any radio operator for the last 40 years say that their barefoot setup had too much outgoing power. So fess up and tell it straight

From: mailto:ham-antennas@yahoogroups.com

Sent: Thursday, November 13, 2014 2:38 PM

To: ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>

Subject: Re: AW: [ham-antennas] Insulated vs Bare Wire

Sigi, excuse my ignorance , but my Education is worth more than my Ego , hihi,
What is Snake Oil ? Where do we get some ? 73s, AJ W5HEH

No virus found in this message.
Checked by AVG - www.avg.com <http://www.avg.com>
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com <http://www.avg.com>
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34710. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:54:20 UTC
From: Walt Wilson
Topic: 34681 Message: 34710

Way back when I was a 20 something year old and able to climb and experiment, I had a 70 foot crank up tower and a 5 element yagi beam that would make you wonder if it was being used with a barefoot rig. Without the benefit of DX I could cover over 200 miles with impressive results, talking to the next state almost daily. That was a fluke, not antenna oil

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 1:52 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Insulated vs Bare Wire

You can make your own antenna wax very easy ... (dr van der graf will be maybe a bit angry if I tell that here)

Just buy some snake oil and boil it till you have a sticky wax

Then apply to your antenna wire

Can also be used as a q-dope for coils (if you cook some longer cause on coils you need a thicker layer of that wax)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 17:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> I bought my last batch at my preferred radio parts vender, Radio Shack.
>
> Lee, w0vt
>
>
>
> _____
>
> From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 11:31:30 AM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>

>
>
> Where would one find this antenna wax, I have failed to find it by using
> several search engines
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 12:13 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
>
> Personally I use bare wire in conjunction with Dr. Van der Graf Antenna
> Wax. I found it gives me a minimum of 23 dB gain. However, when you
> apply the wax, immediately wipe it down with a terry cloth rag to prevent
> the dreaded "antenna lock." (A little bit goes a long way!) Once I
> started using Dr. Van der Graf Antenna Wax, I no longer needed an
> amplifier so I sold it. I could not be more happy using Dr. Van der Graf
> Antenna Wax.
>
>
>
> Lee, w0vt
>
>
>
> PS: I have no financial interest in the Dr. Van der Graf Company.
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com/>
> Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14
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> Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14
>
>
>

No virus found in this message.
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No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34711. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 19:55:52 UTC
From: Walt Wilson
Topic: 34681 Message: 34711

Correction, antenna wax

From: Walt Wilson
Sent: Thursday, November 13, 2014 2:54 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Insulated vs Bare Wire

Way back when I was a 20 something year old and able to climb and experiment, I had a 70 foot crank up tower and a 5 element yagi beam that would make you wonder if it was being used with a barefoot rig. Without the benefit of DX I could cover over 200 miles with impressive results, talking to the next state almost daily. That was a fluke, not antenna oil

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 1:52 PM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Insulated vs Bare Wire

You can make your own antenna wax very easy ... (dr van der graf will be maybe a bit angry if I tell that here)

Just buy some snake oil and boil it till you have a sticky wax

Then apply to your antenna wire

Can also be used as a q-dope for coils (if you cook some longer cause on coils you need a thicker layer of that wax)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 17:57
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> I bought my last batch at my preferred radio parts vender, Radio Shack.
>
> Lee, w0vt
>
>
>
> _____

>
> From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 11:31:30 AM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Where would one find this antenna wax, I have failed to find it by using
> several search engines
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, November 13, 2014 12:13 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
>
> Personally I use bare wire in conjunction with Dr. Van der Graf Antenna
> Wax. I found it gives me a minimum of 23 dB gain. However, when you
> apply the wax, immediately wipe it down with a terry cloth rag to prevent
> the dreaded "antenna lock." (A little bit goes a long way!) Once I
> started using Dr. Van der Graf Antenna Wax, I no longer needed an
> amplifier so I sold it. I could not be more happy using Dr. Van der Graf
> Antenna Wax.
>
>
>
> Lee, w0vt
>
>
>
> PS: I have no financial interest in the Dr. Van der Graf Company.
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com/>
> Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14
>
> No virus found in this message.
> Checked by AVG - www.avg.com <http://www.avg.com/>
> Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14
>
>
>

No virus found in this message.
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Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34712. TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:16:49 UTC
From: schwartzj22@...
Topic: 34712 Message: 34712

To all,

I have been modeling simple wire antennas with 4nec2. I then use N6BV's Transmission Line for Windows to get the impedance at the source (in my case at the tuner).

I recently added how to model with 4nec2 with a transmission line (TL). But I am missing something fundamental.

1) After modeling a simple dipole with a ladder line I realize that the results of the model run show a different impedance at the load than without the TL. Isn't it true that the load impedance should be the same with and without the TL?

2) What additional info should I be able to get with 4nec2 by including the TL?

I have all the 4nec2 instructional materials but do not see anything like this in them. Or, maybe I just missed something.

Any help is appreciated,

Joel - N3GSE

34713. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:10:38 UTC
From: Walt Wilson
Topic: 34681 Message: 34713

Is that a turkey I hear?
From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, November 13, 2014 3:05 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Insulated vs Bare Wire

Can you be that " GULLABLE" gobble gobble !!

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Thursday, November 13, 2014 2:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Surely you guys are jerking someone’s chain here with these wild concoctions. I have never heard of any radio operator for the last 40 years say that their barefoot setup had too much outgoing power. So fess up and tell it straight

From: mailto:ham-antennas@yahoogroups.com

Sent: Thursday, November 13, 2014 2:38 PM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Insulated vs Bare Wire

Sigi, excuse my ignorance , but my Education is worth more than my Ego , hihi,
What is Snake Oil ? Where do we get some ? 73s, AJ W5HEH

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

This email is free from viruses and malware because avast! Antivirus protection is active.

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5557 / Virus Database: 4213/8565 - Release Date: 11/13/14

34714. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:27:41 UTC
From: Kenneth G. Gordon
Topic: 34681 Message: 34714

On 13 Nov 2014 at 14:35, 'Walt Wilson' WWILSON@... [ham-a
wrote:

> Where are you finding this stuff, "snake oil"?

Back in the 1860s it was a very common commodity. Every traveling
medicine man had a gallon or two in his wagon.

Good stuff, when you could get it.

Dunno where one could find it these days. Probably at one of those Old
West towns that have been restored...

M

Ken W7EKB

34715. Re: [ham-antennas] TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:30:32 UTC
From: Myron WVØH
Topic: 34712 Message: 34715

Joel,

Is the antenna input Z the same as the characteristic impedance of the TL? If not, you'll transform the Z with the TL. Time to get the Smith Chart out.

Myron WVØH
Printed on Recycled Data

> On Nov 13, 2014, at 1:16 PM, schwartzj22@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> 1) After modeling a simple dipole with a ladder line I realize that the results of the model run show a different impedance at the load than without the TL. Isn’t it true that the load impedance should be the same with and without the TL?

34716. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 20:33:03 UTC
From: wd4aon@...
Topic: 34681 Message: 34716

I used to work for a nationally known milcomm antenna and antenna test instrumentation company located north of Atlanta. Some of our hams tested the Dr. van de Graf Wax and found their advertising claims to be very optimistic. They tried various wires and alloys, but as best I remember (this was a few years back and in the springtime I remember 'cause the dogwoods were in blossom) they only got something like 12 db gain, and that was with a special copper coated silicon-bronze alloy wire. Regular soft-drawn copper wire was only improved by about 8 or 9 db. Something in the wax affected the alloy. But 23 dB was just way off -- false advertising!
73
Terry
de wd4aon@arrl.net

34717. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 21:30:56 UTC
From: David V Colton
Topic: 34681 Message: 34717

Now THAT'S Funny!
You didn't say....but did you use the vertical or the horizontal polarized wax?
Dave-KJ4PF

-----Original Message-----
From: 'L L bahr ' pulsarxp@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Nov 13, 2014 12:13 pm
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.

34718. AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 21:37:38 UTC
From: siegfried jackstien
Topic: 34681 Message: 34718

http://en.wikipedia.org/wiki/Snake_oil

i dont know where you can get it on your side of the pond :-)

here I go to my favourite snake-oil salesmen ... grin

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 19:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Sigi, excuse my ignorance , but my Education is worth more than my Ego ,
> hihi,
> What is Snake Oil ? Where do we get some ? 73s, AJ W5HEH
>
>

34719. AW: [ham-antennas] Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 21:51:37 UTC
From: siegfried jackstien
Topic: 34681 Message: 34719

Shellack is a material that was used before vinyl

http://de.wikipedia.org/wiki/Schellackplatte

http://de.wikipedia.org/wiki/Schellack

http://en.wikipedia.org/wiki/Lac

but that is not snake oil :-)

dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 19:58
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Insulated vs Bare Wire
>
>
>
> Is this stuff similar to Shellack ?
>
>

34720. AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 21:56:54 UTC
From: siegfried jackstien
Topic: 34681 Message: 34720

ROFL

Sure you need vertical polarized wax for verticals and you use horizontally polarized wax for dipoles ... other wise you will loose 10-12 db (should be 20 db theoretically) ...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 21:31
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Now THAT'S Funny!
> You didn't say....but did you use the vertical or the horizontal polarized
> wax?
> Dave-KJ4PF
>
>
>
> -----Original Message-----
> From: 'L L bahr ' pulsarxp@... [ham-antennas] <ham-
> antennas@yahoogroups.com>
> To: ham-antennas <ham-antennas@yahoogroups.com>
> Sent: Thu, Nov 13, 2014 12:13 pm
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Personally I use bare wire in conjunction with Dr. Van der Graf Antenna
> Wax. I found it gives me a minimum of 23 dB gain. However, when you
> apply the wax, immediately wipe it down with a terry cloth rag to prevent
> the dreaded "antenna lock." (A little bit goes a long way!) Once I
> started using Dr. Van der Graf Antenna Wax, I no longer needed an
> amplifier so I sold it. I could not be more happy using Dr. Van der Graf
> Antenna Wax.
>
> Lee, w0vt
>
> PS: I have no financial interest in the Dr. Van der Graf Company.
>

>

34721. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 22:06:23 UTC
From: David V Colton
Topic: 34681 Message: 34721

Yes he does! But only for one day...April 1st.
KJ4PF

-----Original Message-----
From: mveeneman@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Nov 13, 2014 12:29 pm
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34722. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 22:11:47 UTC
From: Robert Cavanaugh
Topic: 34681 Message: 34722

Did I miss a bunch of messages that should have come in on April Fool's Day?

73,
Bob Cavanaugh - AG6YK

On Thursday, November 13, 2014 2:06 PM, "David V Colton DVC3565@... [ham-antennas]" <ham-antennas@...m> wrote:

Yes he does! But only for one day...April 1st.
KJ4PF

-----Original Message-----
From: mveeneman@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Nov 13, 2014 12:29 pm
Subject: Re: [ham-antennas] Insulated vs Bare Wire

I'll wait for it to go on sale again. I think he reduces the price every April, doesn't he?

34723. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 22:31:51 UTC
From: p_chap@...
Topic: 34681 Message: 34723

Snake oil for cable.....this is for real

General Wire Gallon of Snake-Oil, SOG http://www.globalindustrial.com/p/plumbing/plumbing-tools/pipe-cleaning-accessories/general-gallon-of-snake-oil?infoParam.campaignId=T9F&gclid=CNKl8r_Q-MECFWYF7AodIzQANw&gclsrc=aw.ds

http://www.globalindustrial.com/p/plumbing/plumbing-tools/pipe-cleaning-accessories/general-gallon-of-snake-oil?infoParam.campaignId=T9F&gclid=CNKl8r_Q-MECFWYF7AodIzQANw&gclsrc=aw.ds

General Wire Gallon of Snake-Oil, SOG http://www.globalindustrial.com/p/plumbing/plumbing-tools/pipe-cleaning-accessories/general-gallon-of-snake-oil?infoParam.campaignId=T9F&gclid=CNKl8r_Q-MECFWYF7AodIzQANw&gclsrc=aw.ds General Wire Gallon of Snake-Oil, SOG. Usually ships in 3 days. Buy it and Save at GLOBALindustrial.com

View on www.globalindustrial... http://www.globalindustrial.com/p/plumbing/plumbing-tools/pipe-cleaning-accessories/general-gallon-of-snake-oil?infoParam.campaignId=T9F&gclid=CNKl8r_Q-MECFWYF7AodIzQANw&gclsrc=aw.ds
Preview by Yahoo

34724. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 22:34:14 UTC
From: p_chap@...
Topic: 34681 Message: 34724

More snake oil

Snake Oil | eBay http://www.ebay.com/bhp/snake-oil

http://www.ebay.com/bhp/snake-oil

Snake Oil | eBay http://www.ebay.com/bhp/snake-oil Find great deals on eBay for Snake Oil in Hair Loss Products for Hair Care and Salons. Shop with confidence.

View on www.ebay.com http://www.ebay.com/bhp/snake-oil
Preview by Yahoo

34725. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 22:52:21 UTC
From: farrerfolks@...
Topic: 34681 Message: 34725

While you guys have been stuck on making the radio wave slippy, you forgot the other problem, you need etherial glue to make the signals stick to the antenna wire!!!!!

Mel, K6KBE

34726. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-13 23:02:58 UTC
From: L L bahr
Topic: 34681 Message: 34726

I use Dual Purpose wax. (Wipe to the LEFT and it is vertically polarized. Wipe it to the RIGHT and you have horizontal wax.)

Lee

----- Original Message -----

From: "David V Colton DVC3565@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@...m
Sent: Thursday, November 13, 2014 3:30:56 PM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Now THAT'S Funny!
You didn't say....but did you use the vertical or the horizontal polarized wax?
Dave-KJ4PF

-----Original Message-----
From: 'L L bahr ' pulsarxp@embarqmail.com [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Nov 13, 2014 12:13 pm
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.

You didn't say....but did you use the vertical or the horizontal polarized wax?
Dave-KJ4PF

-----Original Message-----
From: 'L L bahr ' pulsarxp@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Thu, Nov 13, 2014 12:13 pm
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Personally I use bare wire in conjunction with Dr. Van der Graf Antenna Wax. I found it gives me a minimum of 23 dB gain. However, when you apply the wax, immediately wipe it down with a terry cloth rag to prevent the dreaded "antenna lock." (A little bit goes a long way!) Once I started using Dr. Van der Graf Antenna Wax, I no longer needed an amplifier so I sold it. I could not be more happy using Dr. Van der Graf Antenna Wax.

Lee, w0vt

PS: I have no financial interest in the Dr. Van der Graf Company.

34727. Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 01:42:06 UTC
From: schwartzj22@...
Topic: 34712 Message: 34727

Myron- WVØH,

There is the impedance at the antenna (load) and there is the impedance at the source (the other end of the TL-input). I thought the transformation of impedance takes place at the source (because of the TL) and not at the antenna. I thought the antenna impedance (load) stays the same regardless of the TL line type and its impedance.

In other words, If the resistance and reactance at the antenna is R and X it gets transformed at the source due to the TL. If the TL is coax or if it is ladder line the resistance and reactance at the antenna still have the same values of R and X.

Do I have this wrong?

So what additional info, if any, am I supposed to get in 4nec2 by modeling with a TL? 4nec2 gives the impedance at the antenna but I can get this by modeling without a TL. Definitely I am missing something.

Tks,
Joel – N3GSE

34728. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 02:07:04 UTC
From: Myron WVØH
Topic: 34712 Message: 34728

Joel,

Yes, the antenna impedance (Z = R +jX) Ω does stay constant for a given frequency but the impedance transformation takes place along the TL, in fact the phase rotation along the line is responsible for the given V and I (thus Z) at any point along the line. So yes, the antenna Z is constant for a given frequency but the length of TL can vary the input impedance seen by the source just by lengthening or shortening it. Once you get past an electrical 1/2 wave length you start over. I created a spreadsheet with a MOD operator to "unwrap" TL lengths to multiples of 90 degrees so that I can figure out what phase rotation a particular piece of line has that is longer than 1/4wavelength for all my EZNEC-ing.

Since I'm not familiar with 4NEC2, just EZNEC, my experience has been that TL lines do not have physical properties, just electrical properties. Meaning you can have an antenna 30 feet above ground and a 40 foot TL even though it is straight up and down in the model. I keep forgetting to check my TL lengths and it leads me on some wild goose chases until I discover my error.

Myron WVØH
Printed on Recycled Data

> On Nov 13, 2014, at 6:42 PM, schwartzj22@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Myron- WVØH,
>
> There is the impedance at the antenna (load) and there is the impedance at the source (the other end of the TL-input). I thought the transformation of impedance takes place at the source (because of the TL) and not at the antenna. I thought the antenna impedance (load) stays the same regardless of the TL line type and its impedance.
>
> In other words, If the resistance and reactance at the antenna is R and X it gets transformed at the source due to the TL. If the TL is coax or if it is ladder line the resistance and reactance at the antenna still have the same values of R and X.
>
> Do I have this wrong?
>
> So what additional info, if any, am I supposed to get in 4nec2 by modeling with a TL? 4nec2 gives the impedance at the antenna but I can get this by modeling without a TL. Definitely I am missing something.
>
> Tks,
> Joel – N3GSE
>
>

34729. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 02:36:03 UTC
From: KA4INM radio
Topic: 34712 Message: 34729

On 11/13/14 20:42, schwartzj22@... wrote:

> Myron- WVØH,

> There is the impedance at the antenna (load) and there is the impedance
> at the source (the other end of the TL-input). I thought the
> transformation of impedance takes place at the source (because of the
> TL) and not at the antenna. I thought the antenna impedance (load) stays
> the same regardless of the TL line type and its impedance.

I'm not Myron, but if you change the surge impedance of the
transmission line the antenna's resonant frequency is changed.

A dipole that resonates at 7.05 MHz using 75 Ohm coax is too long for
that frequency when fed with 50 Ohm coax.
A 2 meter dipole (146. MHz) with 75 Ohm coax will be 19+19 inches, while
with 50 Ohm coax will be resonate at 146. MHz when it is 15+15 inches.

I know nothing about antenna analyzing software, but the impedance
and reactance of an antenna is partly the function of the frequency so
changing the TL surge impedance will change just about everything else.

The way I understand it, if the antenna's impedance and the coax's
surge impedance match, (at the frequency of interest) the length of the
transmission line will not effect the impedance at the far end of the
transmission line.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34730. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 03:26:39 UTC
From: Myron WVØH
Topic: 34712 Message: 34730

Partly correct Ron.

The part that is correct is your last paragraph, when all things are the same, the TL length matters not. The part that isn't correct is the part about changing the characteristic impedance of the TL changing the antennas characteristic impedance. It doesn't change anything about the antenna, it only changes the response at the input to the TL, thus an impedance matching device, a Q section, if you will.

Myron WVØH
Printed on Recycled Data

> On Nov 13, 2014, at 7:36 PM, KA4INM radio ka4inm@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> On 11/13/14 20:42, schwartzj22@... wrote:
>
> > Myron- WVØH,
>
> > There is the impedance at the antenna (load) and there is the impedance
> > at the source (the other end of the TL-input). I thought the
> > transformation of impedance takes place at the source (because of the
> > TL) and not at the antenna. I thought the antenna impedance (load) stays
> > the same regardless of the TL line type and its impedance.
>
> I'm not Myron, but if you change the surge impedance of the
> transmission line the antenna's resonant frequency is changed.
>
> A dipole that resonates at 7.05 MHz using 75 Ohm coax is too long for
> that frequency when fed with 50 Ohm coax.
> A 2 meter dipole (146. MHz) with 75 Ohm coax will be 19+19 inches, while
> with 50 Ohm coax will be resonate at 146. MHz when it is 15+15 inches.
>
> I know nothing about antenna analyzing software, but the impedance
> and reactance of an antenna is partly the function of the frequency so
> changing the TL surge impedance will change just about everything else.
>
> The way I understand it, if the antenna's impedance and the coax's
> surge impedance match, (at the frequency of interest) the length of the
> transmission line will not effect the impedance at the far end of the
> transmission line.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>

34731. Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 04:20:12 UTC
From: schwartzj22@...
Topic: 34712 Message: 34731

Myron,

OK, I’m good with most of this now. Now for the specifics for my modeled dipole.

With no TL the load impedance at the antenna is 149+j231 (18.103 MHz). For the exact same antenna at the same frequency but with a 100 foot length of 450 ohm ladder line the load impedance at the antenna is 290+j459. Why did the load impedance change? We all agree it should be the same.

BTW-it is the same for 4nec2. You can have an antenna 30 feet above ground and a 40 foot TL even though it is straight up and down in the model.

So, for EZNEC what do you get that is different in the results by modeling with and without a TL? In 4nec2 all the results seem to be the same for with and without a TL.

Tks,
Joel – N3GSE

34732. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 05:01:35 UTC
From: Myron WVØH
Topic: 34712 Message: 34732
Attachments: 1 described; binary payloads are missing from this source WARC

Joel, hold on a second. I have to get something straight first. Are you measuring the feed point Z in both instances with and without the TL attached measured at the antenna terminals? If so, that will change the feed point impedance because of the stub effect placed at that point. It's a tuning stub, so now with the TL attached it will cause the input Z to change if measured at the feed point. (The antenna input Z itself remains unchanged but it is now in parallel with another circuit, the TL) Somehow, I thought you were measuring the changed reading at the input end of the TL, in which case, it will change in accordance with a TL rotation around the Smith chart.

No, I believe that the model is accurate in as far as the tuning effect that the TL has when you measure at the antenna. Stub tuning, in effect.

When I model with and without a TL, I just get a value of changing Z based on the length of the TL. The input Z will fall on the circle created by the TL.

Let me see if I can create a screen shot of the Smith Chart App with you load and a series section of 450 Ω line. See attached.

I can create one with a parallel section (stub) as well.

Myron WVØH
Printed on Recycled Data

> On Nov 13, 2014, at 9:20 PM, schwartzj22@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> Myron,
>
> OK, I’m good with most of this now. Now for the specifics for my modeled dipole.
>
> With no TL the load impedance at the antenna is 149+j231 (18.103 MHz). For the exact same antenna at the same frequency but with a 100 foot length of 450 ohm ladder line the load impedance at the antenna is 290+j459. Why did the load impedance change? We all agree it should be the same.
>
> BTW-it is the same for 4nec2. You can have an antenna 30 feet above ground and a 40 foot TL even though it is straight up and down in the model.
>
> So, for EZNEC what do you get that is different in the results by modeling with and without a TL? In 4nec2 all the results seem to be the same for with and without a TL.
>
> Tks,
> Joel – N3GSE
>
>

34733. Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 05:44:40 UTC
From: schwartzj22@...
Topic: 34712 Message: 34733

Myron,

4nec2 reports the impedance at the load (antenna). I am not familiar with the stub effect. If my 4nec2 results are not in conflict because it is to be expected that the antenna impedance will be a bit different with and without a TL, then I am ok with this.

Maybe this is the advantage to using a TL based model. You get a more accurate antenna impedance. Then, using this impedance we can all determine the impedance at the source (tuner) and presumably it will be more accurate. You think?

I never use Smith Charts. I use either N6BV’s TLW3 or TLDetails by AC6LA. You get the same info but much much quicker.

Tks,
Joel – N3GSE

34734. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 13:43:18 UTC
From: KA4INM radio
Topic: 34712 Message: 34734

On 11/13/14 22:26, Myron WVØH s9plus@... wrote:

> Partly correct Ron.

> The part that is correct is your last paragraph, when all things are the
> same, the TL length matters not. The part that isn't correct is the part
> about changing the characteristic impedance of the TL changing the
> antennas characteristic impedance. It doesn't change anything about the
> antenna, it only changes the response at the input to the TL, thus an
> impedance matching device, a Q section, if you will.

> Myron WVØH
> Printed on Recycled Data

I do know as a fact that when I use a return loss bridge (with a RF
sweep generator and a real time display) the frequency that every dipole
that I ever tested loses the most sweep power to radiation is changed
when I change between RG-8 and RG-11 feedline and the change is not small.
I also know that when I adjust a dipole to the desired frequency
based on the length calculated using the formula in the ARRL handbook
with RG-11, RG-59 or RG-6 it is tuned "in the band," (using the return
loss bridge) but using RG-8 it is always below the band and I must
shorten the elements, by feet, to get it back in the band.
I also know as a fact that the length of any impedance of feedline that
I use, add or subtract does not change the frequency that every dipole
that I ever tested, loses the most sweep power to radiation.
Return loss bridge measure amplitude without any indication of angle.
Return loss bridge displays the reflected power and the lack there of.
Return loss bridge display match the reflected power that a transmitter
sees.

What causes these changes that I have constantly observed over the
last 40 years? (which also apply to 2 meter Yagi antennas)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34735. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 13:43:13 UTC
From: Myron WVØH
Topic: 34712 Message: 34735

Joel,

I think that the NEC implementation of TLs have been refined enough that the results are accurate whichever way they get implemented, so I believe your answer is accurate.

Yes, TLW and others are quick ways to implement TLs into any model. So no worries not using a Smith Chart. I use them because I'm more visual and like to see more of what's going on with the circuit along the TL.

And yeah, Google "antenna stub tuning" and see all the hits. Lots of info out there.

Myron WVØH
Printed on Recycled Data

> On Nov 13, 2014, at 10:44 PM, schwartzj22@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Maybe this is the advantage to using a TL based model. You get a more accurate antenna impedance. Then, using this impedance we can all determine the impedance at the source (tuner) and presumably it will be more accurate. You think?

34736. Re: [ham-antennas] Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 14:01:17 UTC
From: Myron WVØH
Topic: 34712 Message: 34736

Ron,

No, no you are 100% correct. I misunderstood Joel and thought he had said that the antenna Z changed when he looked into the transmission line at the source end. I did not realize he was referring to looking at the Characteristic impedance at the antenna when the TL was attached, a stub if you will.

We can simplify this to a single example: say for instance we were to lay a 100-Ω resistor on a table and call it the antenna. Next we add another 100-Ω resistor in parallel, the circuit Z is now 50-Ω but the antenna (the 100-Ω resistor) has not changed. That's was the point I was trying to make, I missed the other details.

Myron WVØH
Printed on Recycled Data

> On Nov 14, 2014, at 6:43 AM, KA4INM radio ka4inm@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> On 11/13/14 22:26, Myron WVØH s9plus@... wrote:
>
> > Partly correct Ron.
>
> > The part that is correct is your last paragraph, when all things are the
> > same, the TL length matters not. The part that isn't correct is the part
> > about changing the characteristic impedance of the TL changing the
> > antennas characteristic impedance. It doesn't change anything about the
> > antenna, it only changes the response at the input to the TL, thus an
> > impedance matching device, a Q section, if you will.
>
> > Myron WVØH
> > Printed on Recycled Data
>
> I do know as a fact that when I use a return loss bridge (with a RF
> sweep generator and a real time display) the frequency that every dipole
> that I ever tested loses the most sweep power to radiation is changed
> when I change between RG-8 and RG-11 feedline and the change is not small.
> I also know that when I adjust a dipole to the desired frequency
> based on the length calculated using the formula in the ARRL handbook
> with RG-11, RG-59 or RG-6 it is tuned "in the band," (using the return
> loss bridge) but using RG-8 it is always below the band and I must
> shorten the elements, by feet, to get it back in the band.
> I also know as a fact that the length of any impedance of feedline that
> I use, add or subtract does not change the frequency that every dipole
> that I ever tested, loses the most sweep power to radiation.
> Return loss bridge measure amplitude without any indication of angle.
> Return loss bridge displays the reflected power and the lack there of.
> Return loss bridge display match the reflected power that a transmitter

> sees.
>
> What causes these changes that I have constantly observed over the
> last 40 years? (which also apply to 2 meter Yagi antennas)
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>

34737. AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 14:08:54 UTC
From: siegfried jackstien
Topic: 34681 Message: 34737

Hello Mel

You forgot one major point:

The glue (or a sticky wax) is needed for receiving (received waves stick to wire and travel along the wire towards coax connector)

The snake oil (for making the rf waves "slippy") is for boosting the transmitting signal (waves escape easier from the wire towards the ether)

That is also the reason why some hams use 2 antennas (one for receive and the other for transmit) ... one antenna is with glue or sticky wax (for receive) and the other antenna is "oiled" (for transmitting)

With cooking snake oil it becomes a sticky wax (as already noted)... so you can use one thing for both antennas (just depends on how long you cook it)

I am still experimenting with a snake oil bee wax combination (secret mix) that does the rx tx switching in the antenna

That snake oil makes the rf wave slippy ... and the bee wax melts when rf power is applied to the antenna ... so in transmitting the snake oil wins (rf power can escape easy from the wire)

... when you switch to rx the snake oil bee wax mix cools down ... and the bee wax wins (so wire becomes sticky for catching the rf energy out of the ether)

You gain 10-12 db in receive and about 18 db in transmitting

I could not get to the theoretically 23 db gain in transmitting cause I have a mix of both

And the best thing is that it also prevents ice loads in winter

:-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 22:52
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Insulated vs Bare Wire
>
>
>

> While you guys have been stuck on making the radio wave slippy, you forgot
> the other problem, you need etherial glue to make the signals stick to the
> antenna wire!!!!!
>
> Mel, K6KBE
>
>

34738. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 14:33:53 UTC
From: David V Colton
Topic: 34681 Message: 34738

You know...the new ham's are pulling their hair out AND losing sleep over this thread. But I enjoy it! Now....if we could just teach the new guys about the Wouff Hong. <EVIL grin.>
73,
KJ4PF

Dave

Hello Mel

You forgot one major point:

The glue (or a sticky wax) is needed for receiving (received waves stick to wire and travel along the wire towards coax connector)

The snake oil (for making the rf waves "slippy") is for boosting the transmitting signal (waves escape easier from the wire towards the ether)

That is also the reason why some hams use 2 antennas (one for receive and the other for transmit) ... one antenna is with glue or sticky wax (for receive) and the other antenna is "oiled" (for transmitting)

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I could not get to the theoretically 23 db gain in transmitting cause I have a mix of both

And the best thing is that it also prevents ice loads in winter

:-)

Dg9bfc

Sigi

34739. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 14:40:50 UTC
From: Myron WVØH
Topic: 34681 Message: 34739

Dave,

The first rule about Wouff Hong is that you're not supposed to talk about Wouff Hong...

Myron WVØH
Printed on Recycled Data

> On Nov 14, 2014, at 7:33 AM, David V Colton DVC3565@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Wouff Hong

34740. AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 15:00:24 UTC
From: siegfried jackstien
Topic: 34681 Message: 34740

Dont forget the rettysnitch

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 14. November 2014 14:41
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Dave,
>
> The first rule about Wouff Hong is that you're not supposed to talk about
> Wouff Hong...
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Nov 14, 2014, at 7:33 AM, David V Colton DVC3565@... [ham-
> antennas] <ham-antennas@yahoogroups.com> wrote:
> >
> > Wouff Hong
>
>
>

34741. RE: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 16:14:52 UTC
From: Dave Patrick
Topic: 34681 Message: 34741

Keep taking the tablets Sigi :-)

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: 'siegfried jackstien' siegfried.jackstien@... [ham-antennas]
Sent: 14/11/2014 14:12
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Insulated vs Bare Wire

Hello Mel

You forgot one major point:

The glue (or a sticky wax) is needed for receiving (received waves stick to wire and travel along the wire towards coax connector)

The snake oil (for making the rf waves "slippy") is for boosting the transmitting signal (waves escape easier from the wire towards the ether)

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And the best thing is that it also prevents ice loads in winter

:-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 22:52
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Insulated vs Bare Wire
>
>
>
> While you guys have been stuck on making the radio wave slippy, you forgot
> the other problem, you need etherial glue to make the signals stick to the
> antenna wire!!!!!
>
> Mel, K6KBE
>
>

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right: 0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table

{ font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

34742. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 17:59:04 UTC
From: Robert Cavanaugh
Topic: 34681 Message: 34742

Myron,
Wouff Hong featured in this weeks ARRL email...

73,
Bob Cavanaugh -ag6yk

On Nov 14, 2014, at 6:40 AM, "Myron WVØH s9plus@... [ham-antennas]"<ham-antennas@yahoogroups.com> wrote:

> Dave,
>
> The first rule about Wouff Hong is that you're not supposed to talk about Wouff Hong...
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Nov 14, 2014, at 7:33 AM, David V Colton DVC3565@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
> >
> > Wouff Hong
>

34743. Re: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-14 16:49:43 UTC
From: Bill Walker
Topic: 34681 Message: 34743

I have string up wire antennas around the world and never wasted time striping insulation. They have always worked with no problems.

From: "Dave Patrick dpatrick_1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Friday, November 14, 2014 10:14 AM
Subject: RE: AW: [ham-antennas] Insulated vs Bare Wire

Keep taking the tablets Sigi :-)

Dave
G6EGM

Sent from my Nokia Lumia 800

From: 'siegfried jackstien' siegfried.jackstien@freenet.de [ham-antennas]
Sent: 14/11/2014 14:12
To: ham-antennas@yahoogroups.com
Subject: AW: AW: [ham-antennas] Insulated vs Bare Wire

Hello Mel

You forgot one major point:

The glue (or a sticky wax) is needed for receiving (received waves stick to wire and travel along the wire towards coax connector)

The snake oil (for making the rf waves "slippy") is for boosting the transmitting signal (waves escape easier from the wire towards the ether)

That is also the reason why some hams use 2 antennas (one for receive and the other for transmit) ... one antenna is with glue or sticky wax (for receive) and the other antenna is "oiled" (for transmitting)

With cooking snake oil it becomes a sticky wax (as already noted)... so you can use one thing for both antennas (just depends on how long you cook it)

I am still experimenting with a snake oil bee wax combination (secret mix) that does the rx tx switching in the antenna

That snake oil makes the rf wave slippy ... and the bee wax melts when rf power is applied to the antenna ... so in transmitting the snake oil wins (rf power can escape easy from the wire)

... when you switch to rx the snake oil bee wax mix cools down ... and the bee wax wins (so wire becomes sticky for catching the rf energy out of the

ether)

You gain 10-12 db in receive and about 18 db in transmitting

I could not get to the theoretically 23 db gain in transmitting cause I have a mix of both

And the best thing is that it also prevents ice loads in winter

:-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 13. November 2014 22:52
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Insulated vs Bare Wire
>
>
>
> While you guys have been stuck on making the radio wave slippy, you forgot
> the other problem, you need etherial glue to make the signals stick to the
> antenna wire!!!!!
>
> Mel, K6KBE
>
>

34744. Re: [ham-antennas] Re: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 00:23:49 UTC
From: Bruce Collins
Topic: 34621 Message: 34744

Me too... put a new, 2013 year motor and controller in our 2006 furnace and it the QRN (noise) when the blower is on ....is flippin' unbearable!!!

On Sat, Nov 8, 2014 at 2:22 PM, soona4sail@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi. We have identified a source of interference coming from new, or newer
> home furnaces, heap pumps, etc. It turns out that many of the newer
> domestic heating units for houses have Chinese made switching power
> supplies that drives the fan, or exhaust fan. You mentioned yoiur
> interference comes in the evening.
>
> I wonder if you, or a neighbour, has a new furnace, AC unit, heapt pump????
>
> 73 John Good luck.
>
>
>

34745. Re: AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 08:52:33 UTC
From: Steve's Gmail
Topic: 34681 Message: 34745

Hah and Hah!
Favorite chuckle of the day.
On t'other hand,
Skiers use SexWax, sticky when climbing uphill, slippy when sliding down. Kinda reverse analogy but still ...
Steve K0HAY
Communitas ergo Sumama
(iPhone therefore I yammer)

34746. Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 19:01:54 UTC
From: Gary H. Harmon, Jr.
Topic: 34746 Message: 34746

I need one of the plastic spacers that goes between the book bracket and the boom. It is black, flat on one side and curved on the other.

Thanks.

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

Ignorance is a temporary situation - Not a career choice!

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

34747. Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 19:07:07 UTC
From: W1JCW
Topic: 34746 Message: 34747

If you need one you might as well replace all four.

$15 each from Mosley plus to much shipping and handling $15.

73-
W1JCW
John

From: 'Gary H. Harmon, Jr.' gharmon@... [ham-antennas]
Sent: Saturday, November 15, 2014 1:01 PM
To: HAM-ANTENNAS
Subject: [ham-antennas] Need Mosey TA-33 Part

I need one of the plastic spacers that goes between the book bracket and the boom. It is black, flat on one side and curved on the other.

Thanks.

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

Ignorance is a temporary situation - Not a career choice!

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

34748. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 19:56:42 UTC
From: David Welker
Topic: 34746 Message: 34748

-------Mosley is still in bsiness check with them.----------
On Sat, 11/15/14, 'Gary H. Harmon, Jr.' gharmon@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Subject: [ham-antennas] Need Mosey TA-33 Part
To: "HAM-ANTENNAS" <ham-antennas@yahoogroups.com>
Date: Saturday, November 15, 2014, 2:01 PM

I need one of the plastic
spacers that goes between the book bracket and the
boom. It is black, flat on one side and curved on the
other. Thanks. Gary H. Harmon, Jr. - K5JWK -
HAM Radio Archaeologist6003 ArchwoodSan Antonio, TX
78239-1504210.657.1549h /
210.884.6926c/tgharmon
(at) idworld.net
 Ignorance is a
temporary situation - Not a career choice! "Retirement = Every day
is a Saturday except Sunday"http://www.grissomroadcoc.org

34750. Re: AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 20:29:46 UTC
From: glene77is@...
Topic: 34681 Message: 34750

Guys, I was reading between the lines and found this tid-bit from Seigi

Sie haben vergessen, ein wichtiger Punkt:
Sie müssen die Klebewachs auf Ihr Bein legte,
und die Schlange Öl auf dem Fuß,
dann hart zu ziehen.

A good antenna is half the game of Ham Radio !

Glen Ellis, KK4LPG

34751. Re: AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-15 22:58:50 UTC
From: Chuck Schultz
Topic: 34681 Message: 34751

I will take your word for it Ernst Schultz Wq5B
On 11/15/2014 2:29 PM, glene77is@... [ham-antennas] wrote:
>
> Guys,
>
> I was reading between the lines and found this tid-bit from Seigi
>
> Sie haben vergessen, ein wichtiger Punkt:
> Sie müssen die Klebewachs auf Ihr Bein legte,
> und die Schlange Öl auf dem Fuß,
> dann hart zu ziehen.
>
> A good antenna is half the game of Ham Radio !
>
> Glen Ellis, KK4LPG
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34752. Re: TL with 4nec2 issue

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 04:37:11 UTC
From: schwartzj22@...
Topic: 34712 Message: 34752

Myron,

Thank you for the help. I am ok with modeling now with a TL.

I ran a simple test. I created a dipole very close to resonance (52.6+j0.3). Modeled it with with a 52 ohm TL/without a TL. Low and behold the results were very very close. Then did a model with 400 ohm TL. The results were definitely different but not hugely different.

Tks,
Joel - N3GSE

34753. AW: AW: AW: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 11:25:56 UTC
From: siegfried jackstien
Topic: 34681 Message: 34753

Never ever use a translation tool for such things

Otherwise all operators will be called "schinken"...(ham)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 15. November 2014 20:30
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: AW: [ham-antennas] Insulated vs Bare Wire
>
>
>
> Guys,
> I was reading between the lines and found this tid-bit from Seigi
>
> Sie haben vergessen, ein wichtiger Punkt:
> Sie müssen die Klebewachs auf Ihr Bein legte,
> und die Schlange Öl auf dem Fuß,
> dann hart zu ziehen.
>
> A good antenna is half the game of Ham Radio !
>
> Glen Ellis, KK4LPG
>
>

34754. FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 19:31:06 UTC
From: n8yss@...
Topic: 34754 Message: 34754

My Fellow Hams,
Came across this antenna a couple of months ago in my travels. See images I posted to photos in the group area under "FAA Site" file folder. The site appears to be some kind of unmanned radio station for the FAA (Federal Aviation Authority). Some warning signs cautioned of tampering with the equipment could cause loss of life. The station was near a small commercial airport in Manistee, Michigan, USA. I recognize the Yagis, they appear to be cut for the air craft band (118-136.975 MHz). I am wondering about the 2 parallel wire antenna(s) - the two elements are parallel. My guess is they are 40' in length and 2 feet apart and feed by coax, with the center conductor going to the one wire and the shield to the other wire. It does not appear to be two dipoles side by side. What is the wire antenna and how is it used? What frequency is it for? How could this be used for amateur application?

TIA and Happy Thanksgiving,

Jon, N8YSS

34755. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 21:04:08 UTC
From: worahm@...
Topic: 34746 Message: 34755

I recently purchased the four insulators you mentioned for my CL33 from Mosley. It is likely that TA33 parts are available.
Bill KB2GF

34756. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 22:12:47 UTC
From: Brad Trogdon
Topic: 34746 Message: 34756

How do ypu get them to reply to emails? I have requested parts quotes 2 times to the response of crickets.
On Nov 16, 2014 4:04 PM, "worahm@comcast.net [ham-antennas]" < ham-antennas@yahoogroups.com> wrote:

>
>
> I recently purchased the four insulators you mentioned for my CL33 from
> Mosley. It is likely that TA33 parts are available.
> Bill KB2GF
>
>
>
>

34757. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 23:14:20 UTC
From: worahm@...
Topic: 34746 Message: 34757

I ordered the insulators over the phone. 1800 325 4016
About two months later I inquired about other Cl-33 parts over the Internet. They responded with a complete price list for the other parts within a week.
KB2GF

34758. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-16 23:12:33 UTC
From: Walt Wilson
Topic: 34746 Message: 34758

Never had any trouble getting communication with them. They have always given me prompt answers and estimates within 48 hours. Just recently as a matter of fact

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, November 16, 2014 5:12 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Need Mosey TA-33 Part

How do ypu get them to reply to emails? I have requested parts quotes 2 times to the response of crickets.

On Nov 16, 2014 4:04 PM, "worahm@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I recently purchased the four insulators you mentioned for my CL33 from Mosley. It is likely that TA33 parts are available.
Bill KB2GF

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14

34759. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 01:00:42 UTC
From: Kenneth G. Gordon
Topic: 34754 Message: 34759

Sounds like an NDB to me....

Ken W7EKB

On 16 Nov 2014 at 11:31, n8yss@yahoo.com [ham-antennas] wrote:

>
>
> My Fellow Hams,
> Came across this antenna a couple of months ago in my travels. See images I
> posted to photos in the group area under "FAA Site" file folder. The site
> appears to be some kind of unmanned radio station for the FAA (Federal Aviation
> Authority). Some warning signs cautioned of tampering with the equipment could
> cause loss of life. The station was near a small commercial airport in Manistee,
> Michigan, USA. I recognize the Yagis, they appear to be cut for the air craft
> band (118-136.975 MHz). I am wondering about the 2 parallel wire antenna(s)
> - the two elements are parallel. My guess is they are 40' in length and 2 feet
> apart and feed by coax, with the center conductor going to the one wire and the
> shield to the other wire. It does not appear to be two dipoles side by side.
> What is the wire antenna and how is it used? What frequency is it for? How could
> this be used for amateur application?
>
> TIA and Happy Thanksgiving,
>
> Jon, N8YSS
>
>

Kenneth G. Gordon W7EKB

"Courage is being scared to death but saddling up anyway."--- John Wayne

34760. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 01:24:43 UTC
From: Geoff McAlpin
Topic: 34754 Message: 34760

Just what I was going to say.
On Nov 16, 2014 5:00 PM, "'Kenneth G. Gordon' kgordon2006@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Sounds like an NDB to me....
>
> Ken W7EKB
>
> On 16 Nov 2014 at 11:31, n8yss@... [ham-antennas] wrote:
>
> >
> >
> > My Fellow Hams,
> > Came across this antenna a couple of months ago in my travels. See
> images I
> > posted to photos in the group area under "FAA Site" file folder. The site
> > appears to be some kind of unmanned radio station for the FAA (Federal
> Aviation
> > Authority). Some warning signs cautioned of tampering with the equipment
> could
> > cause loss of life. The station was near a small commercial airport in
> Manistee,
> > Michigan, USA. I recognize the Yagis, they appear to be cut for the air
> craft
> > band (118-136.975 MHz). I am wondering about the 2 parallel wire
> antenna(s)
> > - the two elements are parallel. My guess is they are 40' in length and
> 2 feet
> > apart and feed by coax, with the center conductor going to the one wire
> and the
> > shield to the other wire. It does not appear to be two dipoles side by
> side.
> > What is the wire antenna and how is it used? What frequency is it for?
> How could
> > this be used for amateur application?
> >
> > TIA and Happy Thanksgiving,
> >
> > Jon, N8YSS
> >
> >
>
> Kenneth G. Gordon W7EKB

>
> "Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>

34761. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 01:36:53 UTC
From: Jon Schultz
Topic: 34754 Message: 34761

OK, what is an NBD? I have no clue. I am not a pilot.
73Jon, N8YSS

34762. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 01:53:00 UTC
From: Kenneth G. Gordon
Topic: 34754 Message: 34762

On 17 Nov 2014 at 1:36, Jon Schultz n8yss@... [ham-antennas
wrote:

> OK, what is an NBD?

Non-Directional Beacon

> I have no clue. I am not a pilot.

OK. Google NDB. You'll get a lot of hits. They are a lot of fun to "DX". The
NDB "band" runs from about 190 through 450 KHz or so. Most of them don't
run a lot of power, but can often be heard a long ways.

My greatest "DX" is one in far northern Canada, over 2500 miles from here.
That particular one runs 50 watts output. I was quite surprised to hear it,
given my terrible noise level here.

They usually run AM with a tone-modulated CW ID after a steady
tone-modulated carrier. The old designation for that mode was MCW, or
Modulated CW.

There are also several high-accuracy ground-based GPS stations in that
band also.

Ken W7EKB

34763. how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 03:03:19 UTC
From: k6uj@...
Topic: 34763 Message: 34763

I am finding out my Waller Flag receiving antenna I am experimenting with is picking up noise radiated from my tower 45 feet away and the pattern is way off. I understand that the flags can be used in fairly close proximity to towers but the tower will need to be detuned. Anyone done this and give advice on how its done ?

thanks,
Bob
K6UJ

34764. Re: [ham-antennas] how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 03:51:26 UTC
From: Myron WVØH
Topic: 34763 Message: 34764

Yes, run a wire that is attached to the top run down suspended about two or three feet away from the top of the tower and all the way down and place an air variable capacitor in series with the wire at the base to ground. Tune the variable cap with an RF current meter to obtain maximum current at the freq of interest and that's it. We had to detune an AT&T tower that was interfering with our nighttime pattern.

Myron WVØH
Printed on Recycled Data

> On Nov 16, 2014, at 8:03 PM, k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I am finding out my Waller Flag receiving antenna I am experimenting with is picking up noise radiated from my tower 45 feet away and the pattern is way off. I understand that the flags can be used in fairly close proximity to towers but the tower will need to be detuned. Anyone done this and give advice on how its done ?
>
>
>
> thanks,
>
> Bob
>
> K6UJ
>
>

34765. whaynes4@verizon.net

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 05:02:53 UTC
From: whaynes4
Topic: 34765 Message: 34765

http://www.odontologiaead.com/zhcwrdqk/ybpwjewolqpvrkgogadlxvoiy.wlaixzeoqhkmcons

whaynes4@...

34766. Re: [ham-antennas] how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 04:20:43 UTC
From: Bob Harmon
Topic: 34763 Message: 34766

Myron,

.First thing I need to do is see if I can come up with an rf ammeter.
Sounds easy enough !

thanks,
Bob
K6UJ

34767. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 04:21:13 UTC
From: Brad Trogdon
Topic: 34746 Message: 34767

Anyone ever updated or replaced the covers on the ends of the traps?
On Nov 16, 2014 6:28 PM, "'Walt Wilson' WWILSON@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Never had any trouble getting communication with them. They have always
> given me prompt answers and estimates within 48 hours. Just recently as a
> matter of fact
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Sunday, November 16, 2014 5:12 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Need Mosey TA-33 Part
>
>
>
> How do ypu get them to reply to emails? I have requested parts quotes 2
> times to the response of crickets.
> On Nov 16, 2014 4:04 PM, "worahm@... [ham-antennas]" <
> ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> I recently purchased the four insulators you mentioned for my CL33 from
>> Mosley. It is likely that TA33 parts are available.
>> Bill KB2GF
>>
>>
>>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14
>
>

34768. SPAM

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 04:32:06 UTC
From: Gary H. Harmon, Jr.
Topic: 25235 Message: 34768

whatnes4@... has been placed on moderation due to SPAM coming from his email address.

Gary H. Harmon, Jr. - K5JWK

List Moderator

34769. Re: [ham-antennas] SPAM

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 08:11:24 UTC
From: Van Lincoln
Topic: 25235 Message: 34769

sounds good, thanks
Van

At 22:32 11/16/2014, you wrote:

>whatnes4@verizon.net has been placed on
>moderation due to SPAM coming from his email address.
>
>Gary H. Harmon, Jr. - K5JWK
>List Moderator
>
>
>
>

34770. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 11:47:44 UTC
From: Jon Schultz
Topic: 34754 Message: 34770

Ken,Thanks for the info. Looks like the NBD's could also be used by us hams a kind of DX beacon for 160, correct?
What about the FAA wire antenna? How would one cut one of these for the ham bands? It is a whole lot shorter than a 160 meter dipole antenna. Looks like someone with a normal city lot could put one up.
73Jon, N8YSS

34771. AW: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 11:57:34 UTC
From: siegfried jackstien
Topic: 34754 Message: 34771

Hmmm ... ndb are at 300-500 kc (more or less) and 160m is around 1.8-2 megs

So ... for using as a dx beacon I would try to use a mediumwave station
around 1.5-1.6 megs ... that would better "match"

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 17. November 2014 11:48
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] FAA Site Antenna
>
>
>
> Ken,
> Thanks for the info. Looks like the NBD's could also be used by us hams a
> kind of DX beacon for 160, correct?
>
> What about the FAA wire antenna? How would one cut one of these for the
> ham bands? It is a whole lot shorter than a 160 meter dipole antenna.
> Looks like someone with a normal city lot could put one up.
>
> 73
> Jon, N8YSS
>
>

34772. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 12:28:03 UTC
From: worahm@...
Topic: 34746 Message: 34772

The TA-33 antenna is still in production so the parts, including the coil end caps should be available from Mosley.
I spent a week refurbishing my 30 year old CL-33. If your TA-33 has been around for awhile, it would be a good idea to disassemble the traps and inspect them for loose connections. I found the coil form cracked in one of the traps on my CL-33. There are several good step by step articles on the Internet that can guide you though the procedure. You might be surprised what you find inside them.
The trap end caps on my antenna were never replaced and they were all in good condition. So, I did not have to replace them.
Bill KB2GF

34773. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 12:33:19 UTC
From: mveeneman@...
Topic: 34754 Message: 34773

An NDB antenna is vertically polarized with extensive radials in the ground and a twin wire capacity hat. At first glance one might mistake it for a dipole, but what looks like a feedline is the vertical radiator. It's far too short for a quarter wave, hence the tuning "hat".

34774. Re: [ham-antennas] Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 13:33:09 UTC
From: Keith Heimbold
Topic: 34746 Message: 34774

I agree no issue with communicating with them both email and phone. My point of contact was Gary so you may want to address an email directly to him.

Good luck!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 16, 2014, at 3:27 PM, "'Walt Wilson' WWILSON@triad.rr.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Never had any trouble getting communication with them. They have always given me prompt answers and estimates within 48 hours. Just recently as a matter of fact
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Sunday, November 16, 2014 5:12 PM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Need Mosey TA-33 Part
>
>
> How do ypu get them to reply to emails? I have requested parts quotes 2 times to the response of crickets.
>
>> On Nov 16, 2014 4:04 PM, "worahm@comcast.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> I recently purchased the four insulators you mentioned for my CL33 from Mosley. It is likely that TA33 parts are available.
>> Bill KB2GF
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4213/8583 - Release Date: 11/16/14
>
>

34775. Re: Need Mosey TA-33 Part

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 14:32:57 UTC
From: allen3500@...
Topic: 34746 Message: 34775

Hello Gary et al!!

I've been reading these posts with some interest and thought I might be able to shed a small tidbit of light on the subject.

First of all, Mosley still manufactures the TA-33 Tri-Band Yagi in all it's variants, and all parts for these antennas are still available.
You can still purchase all the "pre-cut" aluminum tubing, as well as all plastic and or rubber parts used on the antennas. Mosley also has the Trap forms, both wound and unwound, as well as the completed Trap assemblies.
I just purchased new trap caps and boom end caps this month.

Mosley doesn't do much email. To contact them call 800-325-4016. The operator will transfer you to Gary, and he will take care of your needs. All you need is a credit card and a list of needed parts. :-)

They also had the few parts I needed for my Mosley 40 Meter Mono-bander that I'm reworking. I hope to get both of these Mosley units back up on the tower this winter!

Cheers and 73,

Jim wbt5wc

34776. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 14:50:16 UTC
From: Geoff McAlpin
Topic: 34754 Message: 34776

Just curious, were those VHF yagis near the end or side of the runway? If so, they could be part of their TLS system.

http://en.m.wikipedia.org/wiki/Transponder_Landing_System#

On Monday, November 17, 2014, Jon Schultz n8yss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Ken,
> Thanks for the info. Looks like the NBD's could also be used by us hams a
> kind of DX beacon for 160, correct?
>
> What about the FAA wire antenna? How would one cut one of these for the
> ham bands? It is a whole lot shorter than a 160 meter dipole antenna.
> Looks like someone with a normal city lot could put one up.
>
> 73
> Jon, N8YSS
>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34777. Mosey Parts

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 15:19:00 UTC
From: W1JCW
Topic: 34746 Message: 34777

There is Gary Jr and Sr.

Jr. takes care of most operations surprisingly he is not a ham but an all around good guy.

I brag about Mosley often and anytime I see one for sale locally I may pick it up as I know it's a jewel in the rough and it may need some polish.

I know that when I'm done the antenna will perform and last for many years so the effort is worth it. No hose clamps with Mosley antennas.

You are best to phone them as Jim states and order your parts, they will have everything you need.

You can ask for the manual as well and you will be sent a pdf file.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, November 17, 2014 8:33 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Need Mosey TA-33 Part

Hello Gary et al!!

I've been reading these posts with some interest and thought I might be able to shed a small tidbit of light on the subject.

First of all, Mosley still manufactures the TA-33 Tri-Band Yagi in all it's variants, and all parts for these antennas are still available.
You can still purchase all the "pre-cut" aluminum tubing, as well as all plastic and or rubber parts used on the antennas. Mosley also has the Trap forms, both wound and unwound, as well as the completed Trap assemblies.
I just purchased new trap caps and boom end caps this month.

Mosley doesn't do much email. To contact them call 800-325-4016. The operator will transfer you to Gary, and he will take care of your needs. All you need is a credit card and a list of needed parts. :-)

They also had the few parts I needed for my Mosley 40 Meter Mono-bander that I'm reworking. I hope to get both of these Mosley units back up on the tower this winter!

Cheers and 73,

Jim wbt5wc

34778. RE: [ham-antennas] Mosey Parts

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 15:30:50 UTC
From: Gary H. Harmon, Jr.
Topic: 34746 Message: 34778

If anyone needs the TA-33 2 page scan and/or the 40 meter add-on scan, I have them both.

73,

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

Ignorance is a temporary situation - Not a career choice!

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, November 17, 2014 9:19 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Mosey Parts

There is Gary Jr and Sr.

Jr. takes care of most operations surprisingly he is not a ham but an all around good guy.

I brag about Mosley often and anytime I see one for sale locally I may pick it up as I know it's a jewel in the rough and it may need some polish.

I know that when I'm done the antenna will perform and last for many years so the effort is worth it. No hose clamps with Mosley antennas.

You are best to phone them as Jim states and order your parts, they will have everything you need.

You can ask for the manual as well and you will be sent a pdf file.

73-

W1JCW

John

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, November 17, 2014 8:33 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: Need Mosey TA-33 Part

Hello Gary et al!!

I've been reading these posts with some interest and thought I might be able to shed a small tidbit of light on the subject.

First of all, Mosley still manufactures the TA-33 Tri-Band Yagi in all it's variants, and all parts for these antennas are still available.
You can still purchase all the "pre-cut" aluminum tubing, as well as all plastic and or rubber parts used on the antennas. Mosley also has the Trap forms, both wound and unwound, as well as the completed Trap assemblies.
I just purchased new trap caps and boom end caps this month.

Mosley doesn't do much email. To contact them call 800-325-4016. The operator will transfer you to Gary, and he will take care of your needs. All you need is a credit card and a list of needed parts. :-)

They also had the few parts I needed for my Mosley 40 Meter Mono-bander that I'm reworking. I hope to get both of these Mosley units back up on the tower this winter!

Cheers and 73,

Jim wbt5wc

34779. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 16:22:34 UTC
From: Kenneth G. Gordon
Topic: 34754 Message: 34779

On 17 Nov 2014 at 11:47, Jon Schultz n8yss@... [ham-antennas
wrote:

> Ken,
> Thanks for the info. Looks like the NBD's could also be used by us hams a kind
> of DX beacon for 160, correct?

IMHO, yes. Also for the "new" ham band at 630 meters. I have done only a
little NDB dxing, but it sure is fun. The nicest part about them is that they
identify themselves and there are extensive lists of them on the web, so one
can easily find where they are.

> What about the FAA wire antenna? How would one cut one of these for the ham
> bands? It is a whole lot shorter than a 160 meter dipole antenna. Looks like
> someone with a normal city lot could put one up.

As someone else mentioned, those antennas are vertically polarized with
usually a "capacity hat" on top, although not all of them have that capacity
hat, either. As was mentioned, that capacity hat can be easily mistaken for a
dipole or other type of antenna itself, but it isn't.

My own 160 meter antenna is my regular 55' tall 80/40 vertical with a
base-loading coil I switch in and out. I have worked Europe with it and 100
watts.

I am also a founding-member of the 600 Meter Research Group. Many of our
active stations use electrically short antennas with a capacity hat of some
sort.

We have an active forum if anyone here is interested in that band. There are
about 30 stations either active or listening on that band now. We have had
an experimental license, WD2XSH, for at least 10 years. There are some
details on QRZ.com under that call.

Several others have applied for and received their own experimental licenses
for that band.

BTW, I am a bit confused: are you dealing with an abandoned FAA station,
which is on property you own or have access to?

If so, I would leave the antenna exactly as it is and "adjust" the loading
system to operate in both the 160 meter band and the 630 meter band.

And, yes, all of the folks who are active on the 600 meter band are on normal
city-sized lots.

Several of the active stations have been copied literally all over the world,
and this with an ERP of only about 5 watts at most.

The propagation on 600 meters is very "odd", covering extreme distances with good signal levels when the higher bands are pretty much useless.

Ken W7EKB

34780. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-17 16:29:26 UTC
From: Andy
Topic: 34754 Message: 34780

Looking at the photo, my first thought was either a folded dipole or a close-spaced beam, but those are wrong. The "feed" wouldn't be right for either of those. I think the previous replies are right.

In the early days of radio, it wasn't uncommon for antennas to consist of a vertical wire that connected to the center of two or three (or more?) parallel horizontal wires, which were stretched between the masts on the ship, or between buildings or towers. I think most early ship radio antennas were like that, as were many of the very early AM broadcast station antennas.

If you look closely at the FCC's seal, you might see what I'm talking about, but it is partly obscured by other stuff. Ignore the straight diagonal lines. Underneath the eagle holding the lightning bolts, there are three horizontal wires, and in the middle there is a "feeder" line that connects to all three, joins, and then drops generally downwards.

These days we recognize it as a vertical antenna with top-hat loading. What you think is the feedline, is really the radiator. It's one wire that splits into two or three. Those horizontal wires mostly don't radiate, but they are a capacitive load or tuning element because the vertical wire is much too short electrically. Currents in the horizontal wires are in opposite directions (away from the center point, same in both wires) so their fields tend to cancel, which is good because the antenna is supposed to be "non-directional", hence the N in NDB.. So this is like a "T" vertical antenna, but with two horizontal wires on top instead of one. The whole thing is fed against ground, probably a good radial system.

This is also what gives us some versions of the schematic symbol for an antenna, like the one at the top in the ARRL logo, with one vertical wire splitting into three.

I think this kind of antenna had a specific name, but I'm not sure. Some places call it a "Marconi antenna" but that name might be too general.

http://www.on8im.be/index.php/antenne-marconi-160-m
has diagrams of this kind of antenna for 160 meters. It is in French.

Regards,
Andy

34781. Re: [ham-antennas] FAA Site Antenna FAA ORDER/Handbook COMLO Dimensions/Diagrams of antenna for Compass Locator

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 02:25:47 UTC
From: Van Lincoln
Topic: 34754 Message: 34781

Gentlemen, here is the FAA Handbook or Manual for siting
(construction) of FAA ILS systems with Compass Locator (COMLO)
look at Page 4-3 and page 4-4.

THE URL is :
http://www.faa.gov/documentLibrary/media/Order/ND/6750_16D.pdf

look at Page 4-3 and page 4-4.

wd8aam
Van Lincoln retired FAA

At 19:00 11/16/2014, you wrote:
>Sounds like an NDB to me....
>
>Ken W7EKB
>
>On 16 Nov 2014 at 11:31, n8yss@... [ham-antennas] wrote:
>
>>
>>
>> My Fellow Hams,
>> Came across this antenna a couple of months ago in my travels. See images I
>> posted to photos in the group area under "FAA Site" file folder. The site
>> appears to be some kind of unmanned radio station for the FAA
>(Federal Aviation
>> Authority). Some warning signs cautioned of tampering with the
>equipment could
>> cause loss of life. The station was near a small commercial airport
>in Manistee,
>> Michigan, USA. I recognize the Yagis, they appear to be cut for
the air craft
>> band (118-136.975 MHz). I am wondering about the 2 parallel wire antenna(s)
>> - the two elements are parallel. My guess is they are 40' in length
>and 2 feet
>> apart and feed by coax, with the center conductor going to the one
>wire and the
>> shield to the other wire. It does not appear to be two dipoles
side by side.
>> What is the wire antenna and how is it used? What frequency is it
>for? How could
>> this be used for amateur application?
>>
>> TIA and Happy Thanksgiving,
>>

>> Jon, N8YSS
>>
>>
>
>
>
>Kenneth G. Gordon W7EKB
>
>"Courage is being scared to death but saddling up anyway."--- John Wayne
>
>
>
>----------
>Posted by: "Kenneth G. Gordon" <kgordon2006@...>
>----------
>
>HAM ANTENNAS Anything and everything, tell us or ask questions.
>Replies go to ALL 3724 members (as of 08/01/14). and attachments are
>NOT permitted.
>Any statements in ANY post that may be construed as inflamatory MAY be
>cause for suspension. Moderators WILL have final say in these matters.
>Post message: ham-antennas@yahoogroups.com
>Subscribe: ham-antennas-subscribe@yahoogroups.com
>Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
>List owner: ham-antennas-owner@yahoogroups.com
>----------
>
>Yahoo Groups Links
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>
>

34782. Re: AW: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 02:54:14 UTC
From: Goldtr8 (KD8NNU)
Topic: 34672 Message: 34782

Update on my noise problem. It just went away on its own. I have the subdivision identified where the noise is from and I will build the simple loop and be ready for when it returns.

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, November 11, 2014 10:23 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Hello Don

You have found a location where the noise is really strong??? So then try to pinpoint it with a small receiving loop (fox hunting style)

That loop does not need to be resonant (cause you do NOT wanna transmit with it)

A 3-4 feet wire ... turned into a loop ... and then connected to a short coax should do the job

Sometimes these noise sources also show up in vhf or uhf area (if you are really close!) so then also a beam and a "scanner" could be used to find exactly the noise source

Good luck

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 11. November 2014 01:42
> An: topband@...; ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Re: Topband: New RF interference killing RX at my
> QTH
>
>
>
> Well I made some progress tonight on the way home.
>

> I used my mobile rig with hamsticks to listen while driving on the way
> home
> from work. I tuned to 3.902 which is a very strong frequency that gets
> trashed at the home QTH and used a 40m hamstick as the receiving antenna.
> The idea for this setup was to be able to attenuate the signal as I got
> closer to it.
>
> Anyway while driving home with the pre-amp on the IC-7000 when suddenly
> the
> noise was present and strong less than 1 mile from my house. I drove
> around until it got real loud and turned the pre-amp off and it went away.
> I then drove around with the pre-amp on until it was at about an s7 on the
> meter then turned the preamp off as I was close and then drove around
> until
> there was about 1 s-unit showing on the meter. I could hear the noise with
> the pre-amp off when close and the s meter small reading confirmed that I
> was real close.
>
> The noise is clearly in one subdivision close to my house but I can not
> tell
> what is the source at this time. I also know the noise does not show up on
> the AM radio in the car although bad power poles do show up.
>
> So to me major progress has been made, now I need to identify where in the
> subdivision or maybe what house this trash is coming from. Next short term
> step is to listen to the links several folks have sent to me to see if any
> of them match what I am hearing so I know what I am looking for.
>
> I will keep the list updated as I learn more about the problem.
>
> Cheers and thanks for the tips so far.
>
> Don
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
> -----Original Message-----
> From: Jim Brown
> Sent: Saturday, November 08, 2014 3:22 PM
> To: topband@...
> Subject: Re: Topband: New RF interference killing RX at my QTH
>
> On Sat,11/8/2014 9:33 AM, Goldtr8 (KD8NNU) wrote:
> > I need to make a noise finding antenna that I can take in my vehicle to
> > look for a source of noise on 160m and 80m bands.
>
> Several useful tools. 1) Tecsun PL380 -- a nice AM/FM/Shortwave

> portable, DSP IF, has built-in loopstick antenna. About $45. 2) A ham
> talkie that has wideband RX. My Kenwood TH-F6A does that and has a
> built-in loopstick antenna.
>
> 73, Jim K9YC
> _____
> Topband Reflector Archives - http://www.contesting.com/_topband
>
>
>
>

34783. Re: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 03:09:35 UTC
From: David V Colton
Topic: 34672 Message: 34783

Lucky You! (Wish you could make MY noise problem (next door neighbor's PLASMA TV,) go away too! I hope it never comes back for you.
73, es continued success
Dave-KJ4PF

-----Original Message-----
From: 'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>; RFI <rfi@...>
Sent: Mon, Nov 17, 2014 9:53 pm
Subject: Re: AW: [ham-antennas] Re: Topband: New RF interference killing RX at my QTH

Update on my noise problem. It just went away on its own. I have the subdivision identified where the noise is from and I will build the simple loop and be ready for when it returns.

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

34784. Re: [ham-antennas] how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 03:29:59 UTC
From: Robert Harmon
Topic: 34763 Message: 34784

Myron,

What would be a suitable RF current meter ?
Would the MFJ-854 work OK for this ?

Bob
K6UJ

On Nov 16, 2014, at 7:51 PM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> Yes, run a wire that is attached to the top run down suspended about two or three feet away from the top of the tower and all the way down and place an air variable capacitor in series with the wire at the base to ground. Tune the variable cap with an RF current meter to obtain maximum current at the freq of interest and that's it. We had to detune an AT&T tower that was interfering with our nighttime pattern.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Nov 16, 2014, at 8:03 PM, k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>>
>>
>> I am finding out my Waller Flag receiving antenna I am experimenting with is picking up noise radiated from my tower 45 feet away and the pattern is way off. I understand that the flags can be used in fairly close proximity to towers but the tower will need to be detuned. Anyone done this and give advice on how its done ?
>>
>>
>>
>> thanks,
>>
>> Bob
>>
>> K6UJ
>>
>>
>
>

34785. Re: [ham-antennas] how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 03:46:39 UTC
From: Myron WVØH
Topic: 34763 Message: 34785

That looks like a dandy.

Myron WVØH
Printed on Recycled Data

> On Nov 17, 2014, at 8:29 PM, Robert Harmon k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Myron,
>
>
> What would be a suitable RF current meter ?
> Would the MFJ-854 work OK for this ?
>
> Bob
> K6UJ
>
>
>
>
>> On Nov 16, 2014, at 7:51 PM, Myron WVØH s9plus@yahoo.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>>
>> Yes, run a wire that is attached to the top run down suspended about two or three feet away from the top of the tower and all the way down and place an air variable capacitor in series with the wire at the base to ground. Tune the variable cap with an RF current meter to obtain maximum current at the freq of interest and that's it. We had to detune an AT&T tower that was interfering with our nighttime pattern.
>>
>> Myron WVØH
>> Printed on Recycled Data
>>
>>> On Nov 16, 2014, at 8:03 PM, k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>>
>>> I am finding out my Waller Flag receiving antenna I am experimenting with is picking up noise radiated from my tower 45 feet away and the pattern is way off. I understand that the flags can be used in fairly close proximity to towers but the tower will need to be detuned. Anyone done this and give advice on how its done ?
>>>
>>>
>>>

```
>>> thanks,
>>>
>>> Bob
>>>
>>> K6UJ
>>>
>
>
```

34786. Re: [ham-antennas] how to detune your tower

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 06:34:02 UTC
From: Geoff Hegarty
Topic: 34763 Message: 34786

This is one option that I have used

Geoff
VK2HQA
Transmission Line Balance Test Meter

| |
| | | | | | | |
| Transmission Line Balance Test MeterA typical amateur radio antenna installation makes use of a simple dipole or other balanced form of antenna fed via a coaxial transmission line. |
| |
| View on users.tpg.com.au | Preview by Yahoo |
| |
| |

On Tuesday, 18 November 2014, 14:47, "Myron WVØH s9plus@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  That looks like a dandy.

Myron WVØHPrinted on Recycled Data
On Nov 17, 2014, at 8:29 PM, Robert Harmon k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  Myron,
What would be a suitable RF current meter ?Would the MFJ-854 work OK for this ?
BobK6UJ

On Nov 16, 2014, at 7:51 PM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Yes, run a wire that is attached to the top run down suspended about two or three feet away from the top of the tower and all the way down and place an air variable capacitor in series with the wire at the base to ground. Tune the variable cap with an RF current meter to obtain maximum current at the freq of interest and that's it. We had to detune an AT&T tower that was interfering with our nighttime pattern.

Myron WVØHPrinted on Recycled Data
On Nov 16, 2014, at 8:03 PM, k6uj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I am finding out my Waller Flag receiving antenna I am experimenting with is picking up noise radiated from my tower 45 feet away and the pattern is way off. I understand that the flags can be used in fairly close proximity to towers but the tower will need to be detuned. Anyone done this and give advice on how its done ?
thanks,BobK6UJ

34787. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 13:40:10 UTC
From: Jon Schultz
Topic: 34754 Message: 34787

Thanks one and all for your thoughts onthe FAA site antennas. Sorry on the delay in my response. I am notretired, and my work comes in clumps. Yesterday was a long day!
Sigi, what would you suggest for betterbeacons on 160 M? Or do you just use an Internet DX spot list for160 or your band of choice?
Van, thanks for posting the FAAhandbook – yup, that is the site, other than this one has the VHFantennas on the doghouse. What would there use be? The top hat andthe Yagis are on a North South line, about 5 miles from the airport.
When I found the site, I was not eventhinking of ground radials, but there is a junction box on the sideof the site house and this place was in a clearing.
Why don't we see more of this kind ofantenna (with top hat wire or like on the FCC seal) in the amateurservice now days? I have seen old time pictures of these antennas. Is it the substantial cost of the copper with all the radials? WhenI read the FAA manual, I can't help but wonder if the major cost ofthe site is in all the copper cable!
73 Jon, N8YSS

34788. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 14:10:03 UTC
From: KA4INM radio
Topic: 34754 Message: 34788

Jon N8YSS Schultz n8yss@... wrote:

> Thanks one and all for your thoughts on the FAA site antennas. Sorry on
> the delay in my response. I am not retired, and my work comes in clumps.
> Yesterday was a long day!

> Sigi, what would you suggest for better beacons on 160 M? Or do you just
> use an Internet DX spot list for 160 or your band of choice?

I'm not Sigi, but I always recommend WWV for quick propagation beacon
uses, in this case 2.5 MHz. (2.5 kW vertically polarized)
Modern rigs, with memories, changing between the WWV channels is
frequently simply the rotation of a knob or press of a button.
(without changing antennas)

Here in West Central Florida I occasionally find no WWV transmissions
are detectable, just as most non-local HAM transmissions are not coming
through.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34789. Re: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 14:00:47 UTC
From: Myron WVØH
Topic: 34754 Message: 34789

Still the most efficient way to load a vertical. Top loading with a capacity hat. Notice also that the number of radials is 16 only as long as the antenna. The fringing fields of the antenna will not benefit by longer radials extending beyond those fringing fields. And adding more radials will not buy you much. A maximized antenna system given cost, performance and lot size.

Myron WVØH
Printed on Recycled Data

> On Nov 18, 2014, at 6:40 AM, Jon Schultz n8yss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Why don't we see more of this kind of antenna (with top hat wire or like on the FCC seal) in the amateur service now days?

34790. AW: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 14:21:39 UTC
From: siegfried jackstien
Topic: 34754 Message: 34790

>
> Thanks one and all for your thoughts on the FAA site antennas. Sorry on
> the delay in my response. I am not retired, and my work comes in clumps.
> Yesterday was a long day!
>
> Sigi, what would you suggest for better beacons on 160 M? Or do you just
> use an Internet DX spot list for 160 or your band of choice?

Cluster spot may help ...

A good beacon for 160 would be a mediumwave station on upper end (around
1.5-1.6 megs)

>
> Van, thanks for posting the FAA handbook - yup, that is the site, other
> than this one has the VHF antennas on the doghouse. What would there use
> be? The top hat and the Yagis are on a North South line, about 5 miles
> from the airport.
>
> When I found the site, I was not even thinking of ground radials, but
> there is a junction box on the side of the site house and this place was
> in a clearing.
>
> Why don't we see more of this kind of antenna (with top hat wire or like
> on the FCC seal) in the amateur service now days? I have seen old time
> pictures of these antennas. Is it the substantial cost of the copper with
> all the radials? When I read the FAA manual, I can't help but wonder if
> the major cost of the site is in all the copper cable!

Yepp ... a good ground is expensive :-)

Why we do not see them more in ham radio(this antennas) ???

It is a vertical with tophat

And that is needed for ndb cause you can not build a few hundred metres high
antenna close to an airport (just tooo dangerous)

In our ham bands you would only see such antennas at the very longest
band(s) (500kc and 136 kc ... maybe on 160m also)

On all higher bands a tophat is not needed and would only lower radiation
resistance (and then the ground resistance takes a great amount of your rf
energy)

Dg9bfc

Sigi

34791. AW: [ham-antennas] FAA Site Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 14:28:53 UTC
From: siegfried jackstien
Topic: 34754 Message: 34791

Efficient way ... yep that is

Look here

http://www.waniewski.de/MW/Bremen/bremen_mw_1en.htm

mediumwave antenna only 45m high

I scaled that down to topband ... added 2 more topload wires ... and what comes out??? Only 0.1 wl high antenna needed (for 160m IT IS AROUND 15m ONLY!)

And cause it is a folded radiator (like a half of a folded dipole) the radiation resistance is transformed up to about 4 times ... voila 50 ohms input without any tuning parts at feeding point

Dg9bfc
Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 18. November 2014 14:01
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] FAA Site Antenna
>
>
>
> Still the most efficient way to load a vertical. Top loading with a
> capacity hat. Notice also that the number of radials is 16 only as long as
> the antenna. The fringing fields of the antenna will not benefit by longer
> radials extending beyond those fringing fields. And adding more radials
> will not buy you much. A maximized antenna system given cost, performance
> and lot size.
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Nov 18, 2014, at 6:40 AM, Jon Schultz n8yss@... [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
> >
> > Why don't we see more of this kind of antenna (with top hat wire or like
> on the FCC seal) in the amateur service now days?
>
>
>

34792. Re: [ham-antennas] FAA Site Antenna - Outer Marker on ILS 28 question answered.

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 15:27:38 UTC
From: Van Lincoln
Topic: 34792 Message: 34792

At 07:40 11/18/2014, you wrote:
>Thanks one and all for your thoughts on the FAA
>site antennas. Sorry on the delay in my
>response. I am not retired, and my work comes in
>clumps. Yesterday was a long day!
>Sigi, what would you suggest for better beacons
>on 160 M? Or do you just use an Internet DX spot
>list for 160 or your band of choice?
>Van, thanks for posting the FAA handbook ☐ yup,
>that is the site, other than this one has the
>VHF antennas on the doghouse. What would there
>use be? The top hat and the Yagis are on a North
>South line, about 5 miles from the airport.
>When I found the site, I was not even thinking
>of ground radials, but there is a junction box
>on the side of the site house and this place was in a clearing.
>Why don't we see more of this kind of antenna
>(with top hat wire or like on the FCC seal) in
>the amateur service now days? I have seen old
>time pictures of these antennas. Is it the
>substantial cost of the copper with all the
>radials? When I read the FAA manual, I can't
>help but wonder if the major cost of the site is in all the copper cable!
>73
>Jon, N8YSS
==========
==========

Jon:
Re: your question:

The VHF yagi at the COMLO site is for the outer
marker beaxon (OM) and when the pilot on final approach
flies over it, a panel light flashes to indicate
approximately that he is on a 5 mile final approach from
the end of the runway. Sometimes as well, the
system might also have a middle marker (MM) and possibly
a 1/2 mile final approach IM
(innermarker). Since the yagi is pointed straight up, it can be mounted right
on the Electronics building/shelter.

This is the URL for a Diagramatic view of the ILS
runway 28 Approach Procedure, with radio
facilities depicted as flown by a pilot.

Just click on this URL: http://155.178.201.160/d-tpp/1412/05257IL28.PDF

The FAA POURS money into its Aviation systems,
and uses only the finest materials (and lots of them)
in its aviation facilities. But they also have good designs to follow as well.

Van Lincoln WD8AAM

34793. Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 20:06:06 UTC
From: amradebc@...
Topic: 34793 Message: 34793

Has anyone used RUST-OLEUM's Never Wet on antenna coax connections. I just installed a vertical and would like to keep the bottom dry. (No pun intended)

TNX

John K0EBC

34794. Re: [ham-antennas] Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-18 20:37:27 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34793 Message: 34794

Not recommended.. it will last a month or two outdoors.. and then vanishes from what I've seen.
Now *under* the normal wraps and the like may be a great idea.. have not tried that yet.

KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
From: "amradebc@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 18, 2014 3:06 PM
Subject: [ham-antennas] Water Repellant

<!--#yiv4331173094 #yiv4331173094 .yiv4331173094ygrp-photo-title{clear:both;font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv4331173094 div.yiv4331173094ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;height:62px;width:62px;}#yiv4331173094 div.yiv4331173094photo-title a, #yiv4331173094 div.yiv4331173094photo-title a:active, #yiv4331173094 div.yiv4331173094photo-title a:hover, #yiv4331173094 div.yiv4331173094photo-title a:visited {text-decoration:none;}#yiv4331173094 div.yiv4331173094attach-table div.yiv4331173094attach-row {clear:both;}#yiv4331173094 div.yiv4331173094attach-table div.yiv4331173094attach-row div {float:left;}#yiv4331173094 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv4331173094 div.yiv4331173094ygrp-file {width:30px;}#yiv4331173094 div.yiv4331173094attach-table div.yiv4331173094attach-row div div a {text-decoration:none;}#yiv4331173094 div.yiv4331173094attach-table div.yiv4331173094attach-row div div span {font-weight:normal;}#yiv4331173094 div.yiv4331173094ygrp-file-title {font-weight:bold;}#yiv4331173094 --> <!--#yiv4331173094 #yiv4331173094ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv4331173094 #yiv4331173094ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv4331173094 #yiv4331173094ygrp-mkp #yiv4331173094hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv4331173094 #yiv4331173094ygrp-mkp #yiv4331173094ads {margin-bottom:10px;}#yiv4331173094 #yiv4331173094ygrp-mkp .yiv4331173094ad {padding:0 0;}#yiv4331173094 #yiv4331173094ygrp-mkp .yiv4331173094ad p {margin:0;}#yiv4331173094 #yiv4331173094ygrp-mkp .yiv4331173094ad a {color:#0000ff;text-decoration:none;}-->

Has anyone used RUST-OLEUM's Never Wet on antenna coax connections. I just installed a vertical and would like to keep the bottom dry. (No pun intended)

TNX

John K0EBC

34795. Re: Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-19 00:05:02 UTC
From: p_chap@...
Topic: 34793 Message: 34795

Just go with self fusing tape. After using it for a while, I am a total convert. No goo, no mess, no hour or so with solvents cleaning up coax seal on a PL-259 and a SO-239. I am currently on the lookout for some non-convertable C-Bander to donate the remaining stock of coax seal.

Self fusing tape is now universally available via QST ads, HRO, ($5.99) Gigaparts, ($3.99) Home Depot ($6.99) and I am sure other ham stores now stock it as well.....ten foot rolls....Home Depot has a video.

http://howto.homedepot.com/videos/watch/2900244146001/Nashua-Stretch-&-Seal-Self-Fusing-Silicone-Tape.html http://howto.homedepot.com/videos/watch/2900244146001/Nashua-Stretch-&-Seal-Self-Fusing-Silicone-Tape.html
If the self fusing tape gets a cut, it can rip under stress, so an overcoat of turn to goo black tape may make sense, although everything will still be clean and tidy underneath.

Paul,
WA4NUN

34796. Fwd: [FRC] Fw: This is XX-Tower repairing one element of WW1WW 80m yagi

Yahoo group: ham-antennas (2014)
Date: 2014-11-19 16:39:39 UTC
From: David Welker
Topic: 34796 Message: 34796

--- On Tue, 11/18/14, John Thompson <k3md009@...> wrote:

> From: John Thompson <k3md009@...>
> Subject: Fwd: [FRC] Fw: This is XX-Tower repairing one element of WW1WW 80m yagi
> To: "bob" <radiofreebob@...m>, "David Welker" <k3si@...>, "Allan Cooke" <kb3ac@...>
> Date: Tuesday, November 18, 2014, 9:25 PM
>
> ---------- Forwarded
> message ----------
> From: GALE STEWARD k3nd@...
> [gofrc] <gofrc-noreply@yahoogroups.com>
> Date: Tue, Nov 18, 2014 at 6:31 PM
> Subject: [FRC] Fw: This is XX-Tower repairing
> one element of WW1WW 80m yagi
> To: FRC
> Reflector <gofrc@yahoogroups.com>
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>
> Balls of steel...
>
> This is an amazing repair
> an element using an extension ladder.
>
> http://www.pbase.com/df3kv/beam_repair

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34797. Re: Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-19 17:52:42 UTC
From: John RC
Topic: 34793 Message: 34797

My intention was to try and keep moisture out and off of the connection
from the coax tail. I haven't had water in a connector in over 40 years.
I'll probably use a plastic garbage pail to keep the snow away the bottom.

TNX

John K0EBC

34798. Re: Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-20 01:33:17 UTC
From: soona4sail@...
Topic: 34793 Message: 34798

Large diameter shrink tubing is available at most auto parts stores. The new tubing has adhesive on the inside, and once shrunk with a hot hair dryer, provides an impervious barrier.

73 John

34799. Re: [ham-antennas] Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-20 08:48:40 UTC
From: Bryan Swadener
Topic: 34793 Message: 34799

That's not new. It's been around several decades (that I know of). Everyone sells it, not just auto parts stores. An actual heat gun with heatshrink attachment makes it shrink faster, with less possibility of damage to the wire/cable.
vy 73 es gl,Bryan WA7PRC

Re: Water Repellant
Posted by: soona4sail
Date: Wed Nov 19, 2014

Large diameter shrink tubing is available at most auto parts stores. The new tubing has adhesive on the inside, and once shrunk with a hot hair dryer, provides an impervious barrier.

73 John

34800. Re: [ham-antennas] Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-20 14:26:15 UTC
From: KA4INM radio
Topic: 34793 Message: 34800

On 11/20/14 03:48, Bryan Swadener bswadener@... wrote:

> That's not new. It's been around several decades (that I know of).
> Everyone sells it, not just auto parts stores. An actual heat gun with
> heatshrink attachment makes it shrink faster, with less possibility of
> damage to the wire/cable.

I used "Alpha type FIT" heat shrink tubing for over 20 years, in high
Voltage applications.

> Large diameter shrink tubing is available at most auto parts stores.
> The new tubing has adhesive on the inside, and once shrunk with a
> hot hair dryer, provides an impervious barrier.

--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34801. Re: [ham-antennas] Water Repellant

Yahoo group: ham-antennas (2014)
Date: 2014-11-20 15:20:57 UTC
From: soona4sail@...
Topic: 34793 Message: 34801

There we go! Problem solved. I first used shrink tubing in the 70,s when I was a pilot on water bomber aircraft. Great for keeping errant wires out of the way. It is however, being continuously improved, and the new stuff is truly awesome

73 John

34802. receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 13:04:02 UTC
From: goldtr8@...
Topic: 34802 Message: 34802
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

34803. Re: [ham-antennas] receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 13:34:46 UTC
From: Keith Heimbold
Topic: 34802 Message: 34803

This is second hand but my friend Jonathan, W6GX, in Colorado has the SAL-20 and he shared with me videos of it in use and I am totally impressed. I think it has made a tremendous difference in his low band DXing. At my previous QTH I used a K9AY receive loop and it made a huge difference for me especially on 160m.

Good luck in whatever you choose.

73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 22, 2014, at 5:04 AM, "goldtr8@charter.net [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Dear Group
>
> I have hit the limits of my antenna's and have come to the realization I am more TX than RX, which I guess is the norm for the topband and 80m.
>
> Anyway am considering putting a second receiver in my K3 and putting up a receive only antenna.
>
> Things that I have been looking at are as follows
>
> The shared alex loop array either a SAL 20 or 30
>
> The other is the Hi-Z system either the 3 or 4 antenna receive system.
>
> I do not have the acreage for a beverage system but I have room for one of the above.
>
> So I wish to get opinions and pros & cons as I have learned its better to learn from others on what did or did not work well or what compromises they made as once you spend the money you can not get it back and you have to live with your choices.
>
> Thanks in advance for all your help and advice.
>
>
> ~73
> Don
> KD8NNU
> FH#4107
> -.- -.. ---.. –. –. ..-
>

34804. question 2 meter /220 antenna

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 14:00:03 UTC
From: wt4t@...
Topic: 34804 Message: 34804

Have a new HT ,2 meter/200mhz. The radio works fine with the factory antenna,but would like to put a better antenna on the ht. Have a 220/901 HT ,changing from the factory to a diamond antenna really brought the radio to life. want to do the same for the 2/220.
I have looked ,googled etc , have not been able to find such antenna. the radio requires a SMA female connector,but could adapt to male.
any suggestions?
thanks
dale wt4t

34805. Re: receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 18:17:21 UTC
From: Paul V Birke PEng
Topic: 34802 Message: 34805

WELLBROOK LIKELY BEST WAY TO GO
THESE LOOP ANTENNAS FROM ANDREW ARE WORTH EVERY DOLLAR !!
PUT ON A ROTATOR OR BUY TWO FOR DIVERSITY

BEST PAULVE3PVB

34806. Re: [ham-antennas] Re: receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 19:27:55 UTC
From: Richard Solomon
Topic: 34802 Message: 34806

Might be a tad pricey to ship to the Colonies !!

73, Dick, W1KSZ

On Sat, Nov 22, 2014 at 11:17 AM, Paul V Birke PEng nonlinear@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> WELLBROOK LIKELY BEST WAY TO GO
>
> THESE LOOP ANTENNAS FROM ANDREW ARE WORTH EVERY DOLLAR !!
>
> PUT ON A ROTATOR OR BUY TWO FOR DIVERSITY
>
> BEST PAUL
> VE3PVB
>
>
>

34807. Re: [ham-antennas] Re: receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 21:02:41 UTC
From: Paul V Birke PEng
Topic: 34802 Message: 34807

actually shipping out of England on eBay seems reasonable
ask Andy what a typical shipping out to say the west coast is like
I guess the problem is the size of the box = diameter of loop
p

On Saturday, November 22, 2014 2:28 PM, "Richard Solomon dickw1ksz@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Might be a tad pricey to ship to the Colonies !!

73, Dick, W1KSZ

On Sat, Nov 22, 2014 at 11:17 AM, Paul V Birke PEng nonlinear@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  WELLBROOK LIKELY BEST WAY TO GO
THESE LOOP ANTENNAS FROM ANDREW ARE WORTH EVERY DOLLAR !!
PUT ON A ROTATOR OR BUY TWO FOR DIVERSITY

BEST PAULVE3PVB

34808. Re: [ham-antennas] Re: receive antenna opinions

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 21:59:06 UTC
From: Richard Solomon
Topic: 34802 Message: 34808

I shipped a WWVB antenna from Boston to California some years ago
via UPS. IIRC, it cost almost $200 due to the size.

The Buyer was really motivated !!

I'll ask him.

73, Dick, W1KSZ

On Sat, Nov 22, 2014 at 2:02 PM, Paul V Birke PEng nonlinear@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> actually shipping out of England on eBay seems reasonable
>
> ask Andy what a typical shipping out to say the west coast is like
>
> I guess the problem is the size of the box = diameter of loop
>
> p
>
>
> On Saturday, November 22, 2014 2:28 PM, "Richard Solomon
> dickw1ksz@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Might be a tad pricey to ship to the Colonies !!
>
> 73, Dick, W1KSZ
>
> On Sat, Nov 22, 2014 at 11:17 AM, Paul V Birke PEng nonlinear@...
> [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> WELLBROOK LIKELY BEST WAY TO GO
>
> THESE LOOP ANTENNAS FROM ANDREW ARE WORTH EVERY DOLLAR !!
>
> PUT ON A ROTATOR OR BUY TWO FOR DIVERSITY
>
> BEST PAUL
> VE3PVB
>
>

>
>
>
>

34809. Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 22:40:39 UTC
From: Keith Heimbold
Topic: 34809 Message: 34809

I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.

I used a lot of info from this group to build it and my G7FEK.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34810. RE: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-22 22:55:52 UTC
From: goldtr8@...
Topic: 34809 Message: 34810
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

34811. RE: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-23 20:06:13 UTC
From: Dave Patrick
Topic: 34809 Message: 34811

How is.the G7FEK working out on the lower frequencies?

Dave
G6EGM

Sent from my Nokia Lumia 800

-----Original Message-----
From: Keith Heimbold ag6az@... [ham-antennas]
Sent: 22/11/2014 22:40
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cobweb monoband 15m

I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.

I used a lot of info from this group to build it and my G7FEK.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

<!-- #ygrp-mkp { border: 1px solid #d8d8d8; font-family: Arial; margin: 10px 0; padding: 0 10px; } #ygrp-mkp hr { border: 1px solid #d8d8d8; } #ygrp-mkp #hd { color: #628c2a; font-size: 85%; font-weight: 700; line-height: 122%; margin: 10px 0; } #ygrp-mkp #ads { margin-bottom: 10px; } #ygrp-mkp .ad { padding: 0 0; } #ygrp-mkp .ad p { margin: 0; } #ygrp-mkp .ad a { color: #0000ff; text-decoration: none; } #ygrp-sponsor #ygrp-lc { font-family: Arial; } #ygrp-sponsor #ygrp-lc #hd { margin: 10px 0px; font-weight: 700; font-size: 78%; line-height: 122%; } #ygrp-sponsor #ygrp-lc .ad { margin-bottom: 10px; padding: 0 0; } #actions { font-family: Verdana; font-size: 11px; padding: 10px 0; } #activity { background-color: #e0ecee; float: left; font-family: Verdana; font-size: 10px; padding: 10px; } #activity span { font-weight: 700; } #activity span:first-child { text-transform: uppercase; } #activity span a { color: #5085b6; text-decoration: none; } #activity span span { color: #ff7900; } #activity span .underline { text-decoration: underline; } .attach { clear: both; display: table; font-family: Arial; font-size: 12px; padding: 10px 0; width: 400px; } .attach div a { text-decoration: none; } .attach img { border: none; padding-right: 5px; } .attach label { display: block; margin-bottom: 5px; } .attach label a { text-decoration: none; } blockquote { margin: 0 0 0 4px; } .bold { font-family: Arial; font-size: 13px; font-weight: 700; } .bold a { text-decoration: none; } dd.last p a { font-family: Verdana; font-weight: 700; } dd.last p span { margin-right: 10px; font-family: Verdana; font-weight: 700; } dd.last p span.yshortcuts { margin-right:

0; } div.attach-table div div a { text-decoration: none; } div.attach-table { width: 400px; } div.file-title a, div.file-title a:active, div.file-title a:hover, div.file-title a:visited { text-decoration: none; } div.photo-title a, div.photo-title a:active, div.photo-title a:hover, div.photo-title a:visited { text-decoration: none; } div#ygrp-mlmsg #ygrp-msg p a span.yshortcuts { font-family: Verdana; font-size: 10px; font-weight: normal; } .green { color: #628c2a; } .MsoNormal { margin: 0 0 0 0; } o { font-size: 0; } #photos div { float: left; width: 72px; } #photos div div { border: 1px solid #666666; height: 62px; overflow: hidden; width: 62px; } #photos div label { color: #666666; font-size: 10px; overflow: hidden; text-align: center; white-space: nowrap; width: 64px; } #reco-category { font-size: 77%; } #reco-desc { font-size: 77%; } .replbq { margin: 4px; } #ygrp-actbar div a:first-child { /* border-right: 0px solid #000;*/ margin-right: 2px; padding-right: 5px; } #ygrp-mlmsg { font-size: 13px; font-family: Arial, helvetica,clean, sans-serif; *font-size: small; *font: x-small; } #ygrp-mlmsg table { font-size: inherit; font: 100%; } #ygrp-mlmsg select, input, textarea { font: 99% Arial, Helvetica, clean, sans-serif; } #ygrp-mlmsg pre, code { font:115% monospace; *font-size:100%; } #ygrp-mlmsg * { line-height: 1.22em; } #ygrp-mlmsg #logo { padding-bottom: 10px; } #ygrp-msg p a { font-family: Verdana; } #ygrp-msg p#attach-count span { color: #1E66AE; font-weight: 700; } #ygrp-reco #reco-head { color: #ff7900; font-weight: 700; } #ygrp-reco { margin-bottom: 20px; padding: 0px; } #ygrp-sponsor #ov li a { font-size: 130%; text-decoration: none; } #ygrp-sponsor #ov li { font-size: 77%; list-style-type: square; padding: 6px 0; } #ygrp-sponsor #ov ul { margin: 0; padding: 0 0 0 8px; } #ygrp-text { font-family: Georgia; } #ygrp-text p { margin: 0 0 1em 0; } #ygrp-text tt { font-size: 120%; } #ygrp-vital ul li:last-child { border-right: none !important; } -->

34812. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-23 20:10:06 UTC
From: Keith Heimbold
Topic: 34809 Message: 34812

The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is actually decent on 6m.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@btinternet.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> How is.the G7FEK working out on the lower frequencies?
>
> Dave
> G6EGM
>
> Sent from my Nokia Lumia 800
> From: Keith Heimbold ag6az@hotmail.com [ham-antennas]
> Sent: 22/11/2014 22:40
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Cobweb monoband 15m
>
>
> I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.
>
> I used a lot of info from this group to build it and my G7FEK.
>
> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34813. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-23 22:08:31 UTC
From: Frank Eichel
Topic: 34809 Message: 34813

Did you try the G8JNJ version of the G7FEK antenna? He revisited the antenna and suggested some improvements.

73, Frank VE7AWV
On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is
> actually decent on 6m.
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> How is.the G7FEK working out on the lower frequencies?
>
> Dave
> G6EGM
>
> Sent from my Nokia Lumia 800
> ---
> From: Keith Heimbold ag6az@... [ham-antennas]
> Sent: 22/11/2014 22:40
> To: ham-antennas@yahoogroups.com
> Subject: [ham-antennas] Cobweb monoband 15m
>
>
>
> I built a cobweb antenna monoband for 15m for about $20 using bamboo
> stakes and a kit I bought on eBay for the 1:4 balun. It works great. It
> doesn't weigh much and I am very happy with it. Just thought I would
> mention it as an easy project. I have been working a lot of DX and domestic
> stations with it today and I am very surprised. It shreds my G7FEK wire
> antenna in terms of performance.
>
> I used a lot of info from this group to build it and my G7FEK.
>

> Thanks & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>
>

34814. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-23 22:12:08 UTC
From: Keith Heimbold
Topic: 34809 Message: 34814

I will have to check that out. It is also almost perfectly resonant on 17m but it doesn't seem to perform that great on that band. I am very surprised how good it is on 80m. I have been using it for JT65 and CW (where it is resonant). It is also pretty darn good higher in the band where it is closer to 4:1 swr. I have heard American Samoa and Japan pretty strong in the SSB DX window with it at 25' apex. Very good in my book.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Did you try the G8JNJ version of the G7FEK antenna? He revisited the antenna and suggested some improvements.
>
> 73, Frank VE7AWV
>
>> On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is actually decent on 6m.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>> On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@btinternet.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>> How is.the G7FEK working out on the lower frequencies?
>>>
>>> Dave
>>> G6EGM
>>>
>>> Sent from my Nokia Lumia 800
>>> From: Keith Heimbold ag6az@hotmail.com [ham-antennas]
>>> Sent: 22/11/2014 22:40
>>> To: ham-antennas@yahoogroups.com
>>> Subject: [ham-antennas] Cobweb monoband 15m
>>>
>>>

>>> I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.
>>>
>>> I used a lot of info from this group to build it and my G7FEK.
>>>
>>> Thanks & 73,
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
>>>
>
>

34815. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 13:59:38 UTC
From: Keith Heimbold
Topic: 34809 Message: 34815

Hi Frank,

I just looked on the web regarding his recommended changes. They look interesting and i am considering giving them an attempt. I do believe that I have a chance to influence the swr on 40m by shortening my current short leg a little more but that requires me to take the antenna down. I might do it over the long Thanksgiving weekend.

Looks like swr on 30m goes way up in his model. Mine is around 4:1 and I have been working some DX stations on it so I may not mess with trying to get 40m to tune better. Also 20m is off and performance is terrible so I may end up putting up that suspended wire that is recommended.

Thanks again & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Did you try the G8JNJ version of the G7FEK antenna? He revisited the antenna and suggested some improvements.
>
> 73, Frank VE7AWV
>
>> On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is actually decent on 6m.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>> On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@btinternet.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>> How is.the G7FEK working out on the lower frequencies?
>>>
>>> Dave
>>> G6EGM

>>>
>>> Sent from my Nokia Lumia 800
>>> From: Keith Heimbold ag6az@hotmail.com [ham-antennas]
>>> Sent: 22/11/2014 22:40
>>> To: ham-antennas@yahoogroups.com
>>> Subject: [ham-antennas] Cobweb monoband 15m
>>>
>>>
>>> I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.
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>>> I used a lot of info from this group to build it and my G7FEK.
>>>
>>> Thanks & 73,
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
>>>
>
>

34816. small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 17:18:51 UTC
From: goldenrosecottage@...
Topic: 34816 Message: 34816

I have used dipole antennas with JT65 to reach 50+ countries.

I would like something with more gain and directivity to help with DX phone.

I have a space that allows for an 11ft maximum radius antenna, 30 ft high.

A Mosely Mini-32 would fit, as would a DX Engineering hexbeam.

Does anyone have experience with these or other small antennas for DX phone?
I am in Colorado, and would like to reach Europe and Australia.

thanks,
Mike k0grc

34817. Re: [ham-antennas] small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 18:59:35 UTC
From: Rich Schmuke
Topic: 34816 Message: 34817

Mosely make a fine product. They were in St. Louis county now in a small town right by me. The Mosely Mini-32-A only covers 3 bands, I would take a close look at a NA4RR hex beam, a fine product , covers 6 bands at a good price. I have one and love it.

Rich, KdØzz

On Mon, Nov 24, 2014 at 11:18 AM, goldenrosecottage@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I have used dipole antennas with JT65 to reach 50+ countries.
>
> I would like something with more gain and directivity to help with DX
> phone.
>
>
> I have a space that allows for an 11ft maximum radius antenna, 30 ft high.
>
> A Mosely Mini-32 would fit, as would a DX Engineering hexbeam.
>
>
> Does anyone have experience with these or other small antennas for DX
> phone?
>
> I am in Colorado, and would like to reach Europe and Australia.
>
>
> thanks,
>
> Mike k0grc
>
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34818. Re: [ham-antennas] small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 19:11:07 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34816 Message: 34818

The hex beams are about 10' radius (minimum) which means a 20' round circle to spin the antenna. (I have the k4kio hexbeam here..)
20' round is a biggie for "under a roof" -- but if you have the room it is a great antenna.. 20 thru 6..
 KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
From: "Rich Schmuke rdj@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 24, 2014 1:59 PM
Subject: Re: [ham-antennas] small Yagi or hexbeam for dx phone

<!--#yiv8667661410 #yiv8667661410 .yiv8667661410ygrp-photo-title{clear:both;font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv8667661410 div.yiv8667661410ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;height:62px;width:62px;}#yiv8667661410 div.yiv8667661410photo-title a, #yiv8667661410 div.yiv8667661410photo-title a:active, #yiv8667661410 div.yiv8667661410photo-title a:hover, #yiv8667661410 div.yiv8667661410photo-title a:visited {text-decoration:none;}#yiv8667661410 div.yiv8667661410attach-table div.yiv8667661410attach-row {clear:both;}#yiv8667661410 div.yiv8667661410attach-table div.yiv8667661410attach-row div {float:left;}#yiv8667661410 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv8667661410 div.yiv8667661410ygrp-file {width:30px;}#yiv8667661410 div.yiv8667661410attach-table div.yiv8667661410attach-row div div a {text-decoration:none;}#yiv8667661410 div.yiv8667661410attach-table div.yiv8667661410attach-row div div span {font-weight:normal;}#yiv8667661410 div.yiv8667661410ygrp-file-title {font-weight:bold;}#yiv8667661410 --> <!--#yiv8667661410 #yiv8667661410ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv8667661410 #yiv8667661410ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv8667661410 #yiv8667661410ygrp-mkp #yiv8667661410hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv8667661410 #yiv8667661410ygrp-mkp #yiv8667661410ads {margin-bottom:10px;}#yiv8667661410 #yiv8667661410ygrp-mkp .yiv8667661410ad {padding:0 0;}#yiv8667661410 #yiv8667661410ygrp-mkp .yiv8667661410ad p {margin:0;}#yiv8667661410 #yiv8667661410ygrp-mkp .yiv8667661410ad a {color:#0000ff;text-decoration:none;}-->

Mosely make a fine product. They were in St. Louis county now in a small town right by me. The Mosely Mini-32-A only covers 3 bands, I would take a close look at a NA4RR hex beam, a fine product , covers 6 bands at a good price. I have one and love it.

 Rich, KdØzz

On Mon, Nov 24, 2014 at 11:18 AM, goldenrosecottage@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  I have used dipole antennas with JT65 to reach 50+ countries.
I would like something with more gain and directivity to help with DX phone.
I have a space that allows for an 11ft maximum radius antenna, 30 ft high.A Mosely Mini-32 would fit, as would a DX Engineering hexbeam.

Does anyone have experience with these or other small antennas for DX phone?I am in Colorado, and would like to reach Europe and Australia.
thanks,Mike k0grc

34819. Re: [ham-antennas] small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 20:07:15 UTC
From: goldenrosecottage@...
Topic: 34816 Message: 34819

This sounds like a very good possibility. It has great reviews on eham, and might fit in my space. Are you able to do voice DX to Europe and/or Australia?

thanks again,
Mike k0grc

34820. Re: small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 20:37:09 UTC
From: goldenrosecottage@...
Topic: 34816 Message: 34820

The k4kio also has incredible reviews on eham (118 @ 5.0/5.0) ! And the size might work.
Have you worked Europe or Australia on voice with the k4kio?
It might sound like a silly question, but I have only done DX with JT65 digital.
And when listening on voice, I only hear the US person on a DX contact.

thanks,
Mike k0grc

34821. Re: [ham-antennas] small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 22:26:36 UTC
From: Keith Heimbold
Topic: 34816 Message: 34821

Mike,

I used to have a really awesome shack with towers and big Mosley antennas. IMHO, Mosleys are the best out there (nice design, robust, no moving parts) but for a small footprint nothing beats a hex beam. I have a portable one and it is great. In fact, yesterday I was fortunate enough to work VU4KV with 100W and a hex beam at 25' on 20m. If it wasn't for a portable hex beam I would never have worked that ATNO.

I have also owned a MA5B and it wasn't bad and is smaller than the hex beam. So if size gets even more constrained I would consider it as an option. It is better than a stationary dipole without a doubt.

Good luck!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 24, 2014, at 9:18 AM, "goldenrosecottage@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I have used dipole antennas with JT65 to reach 50+ countries.
>
> I would like something with more gain and directivity to help with DX phone.
>
>
>
> I have a space that allows for an 11ft maximum radius antenna, 30 ft high.
>
>
> A Mosely Mini-32 would fit, as would a DX Engineering hexbeam.
>
>
>
> Does anyone have experience with these or other small antennas for DX phone?
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> I am in Colorado, and would like to reach Europe and Australia.
>
>
>
> thanks,
>
> Mike k0grc
>
>

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34822. Re: [ham-antennas] small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-24 22:30:15 UTC
From: Billy McFarland
Topic: 34816 Message: 34822

Sp7idx makes very good hex beams and performance wise are great. I would prefer the Hexham over a ma5b

73 Billy GM0OBX

At 24 Nov 2014 22:27:13, Keith Heimbold ag6az@... [ham-antennas]<'ham-antennas@yahoogroups.com'> wrote:

Mike,

I used to have a really awesome shack with towers and big Mosley antennas. IMHO, Mosleys are the best out there (nice design, robust, no moving parts) but for a small footprint nothing beats a hex beam. I have a portable one and it is great. In fact, yesterday I was fortunate enough to work VU4KV with 100W and a hex beam at 25' on 20m. If it wasn't for a portable hex beam I would never have worked that ATNO.

I have also owned a MA5B and it wasn't bad and is smaller than the hex beam. So if size gets even more constrained I would consider it as an option. It is better than a stationary dipole without a doubt.

Good luck!!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Nov 24, 2014, at 9:18 AM, "goldenrosecottage@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I have used dipole antennas with JT65 to reach 50+ countries.
I would like something with more gain and directivity to help with DX phone.

I have a space that allows for an 11ft maximum radius antenna, 30 ft high.
A Mosely Mini-32 would fit, as would a DX Engineering hexbeam.

Does anyone have experience with these or other small antennas for DX phone?
I am in Colorado, and would like to reach Europe and Australia.

thanks,
Mike k0grc

34823. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 05:32:28 UTC
From: Frank Eichel
Topic: 34809 Message: 34823

Hi Keith,

I would be interested to know the results of any changes you make. I am interested in the modified G7FEK antenna for 30, 40 and 80 metres as I have limited space. I have a beam on the roof for the higher bands.

73, Frank, VE7AWV
On Nov 24, 2014 6:00 AM, "Keith Heimbold ag6az@...m [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Frank,
>
> I just looked on the web regarding his recommended changes. They look
> interesting and i am considering giving them an attempt. I do believe that
> I have a chance to influence the swr on 40m by shortening my current short
> leg a little more but that requires me to take the antenna down. I might do
> it over the long Thanksgiving weekend.
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> Looks like swr on 30m goes way up in his model. Mine is around 4:1 and I
> have been working some DX stations on it so I may not mess with trying to
> get 40m to tune better. Also 20m is off and performance is terrible so I
> may end up putting up that suspended wire that is recommended.
>
> Thanks again & 73,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
> On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> Did you try the G8JNJ version of the G7FEK antenna? He revisited the
> antenna and suggested some improvements.
>
> 73, Frank VE7AWV
> On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>>
>>

>> The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is
>> actually decent on 6m.
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>> On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@btinternet.com
>> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>>
>>
>> How is.the G7FEK working out on the lower frequencies?
>>
>> Dave
>> G6EGM
>>
>> Sent from my Nokia Lumia 800
>> ----------
>> From: Keith Heimbold ag6az@... [ham-antennas]
>> Sent: 22/11/2014 22:40
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] Cobweb monoband 15m
>>
>>
>>
>> I built a cobweb antenna monoband for 15m for about $20 using bamboo
>> stakes and a kit I bought on eBay for the 1:4 balun. It works great. It
>> doesn't weigh much and I am very happy with it. Just thought I would
>> mention it as an easy project. I have been working a lot of DX and domestic
>> stations with it today and I am very surprised. It shreds my G7FEK wire
>> antenna in terms of performance.
>>
>> I used a lot of info from this group to build it and my G7FEK.
>>
>> Thanks & 73,
>>
>> Keith
>> AK6ZZ
>>
>> Sent from my iPhone please excuse typos
>>
>>
>

34824. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 10:01:27 UTC
From: email4utoo@...
Topic: 34681 Message: 34824

Ken , What length is your Loop? Full wave for 80m ? what line do you use to feed it ? i have just got 12 ga for a song planning layout for Loop now . Tnx, Aj W5HEH

34825. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 12:52:04 UTC
From: Keith Heimbold
Topic: 34809 Message: 34825

Hi Frank,

I will post my changes to the antenna including all dimensions, added elements etc. it is a surprisingly good performer on 80m. It is better on 30m at the moment versus 40m but is usable with internal tuner (TS590S) on both of those bands. I am hoping that shortening the smaller horizontal element and adding the wire for 20m will provide me better performance on both 40 and 20.

I decided not to pursue the changes that the other G8JNJ has recommended at the moment. For an antenna that cost less than $40 in materials I am very pleased with it.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 24, 2014, at 9:32 PM, "Frank Eichel tmbrjnkr@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> Hi Keith,
>
> I would be interested to know the results of any changes you make. I am interested in the modified G7FEK antenna for 30, 40 and 80 metres as I have limited space. I have a beam on the roof for the higher bands.
>
> 73, Frank, VE7AWV
>> On Nov 24, 2014 6:00 AM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>
>> Hi Frank,
>>
>> I just looked on the web regarding his recommended changes. They look interesting and i am considering giving them an attempt. I do believe that I have a chance to influence the swr on 40m by shortening my current short leg a little more but that requires me to take the antenna down. I might do it over the long Thanksgiving weekend.
>>
>> Looks like swr on 30m goes way up in his model. Mine is around 4:1 and I have been working some DX stations on it so I may not mess with trying to get 40m to tune better. Also 20m is off and performance is terrible so I may end up putting up that suspended wire that is recommended.
>>
>> Thanks again & 73,
>>
>> Keith
>> AK6ZZ
>>

>> Sent from my iPhone please excuse typos
>>
>>> On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>
>>>
>>> Did you try the G8JNJ version of the G7FEK antenna? He revisited the antenna and suggested some improvements.
>>>
>>> 73, Frank VE7AWV
>>>
>>>> On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>>>>
>>>> The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is actually decent on 6m.
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>>>>> I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.
>>>>>
>>>>> I used a lot of info from this group to build it and my G7FEK.
>>>>>
>>>>> Thanks & 73,
>>>>>
>>>>> Keith
>>>>> AK6ZZ

```
>>>>>
>>>>> Sent from my iPhone please excuse typos
>>>>>
>
>
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34826. Re: [ham-antennas] Re: small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 14:36:58 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34816 Message: 34826

I don't have the KIO hexbeam up right this instant, but I know that there are several people on the Elecraft net that use them and rave about them. There is a 3 element variant out of europe that does even better... effectively a 3 element yagi on 20 through 6 meters, but it is a tad larger.. (5-8 feet larger in its width - which put it in trees at my location.) However, there are comparisons on the web. (the extra 2-3 db of gain would be nice...) The results are very good. I'm in an apartment, so I have to do a push up pole that is "temporary" in nature... working on getting the needed bits and pieces for a push up pole with rope for guy work... and get the pole to the apartment. I haven't worked Europe or Australia with it.. but don't see any significant issues doing so once the propagation deities decide to smile... KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
From: "goldenrosecottage@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, November 24, 2014 3:37 PM
Subject: [ham-antennas] Re: small Yagi or hexbeam for dx phone

#yiv6174696655 #yiv6174696655 -- #yiv6174696655 .yiv6174696655ygrp-photo-title{clear:both;
font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv6174696655
div.yiv6174696655ygrp-photo{background-position:center;background-repeat:no-repeat;backgro
und-color:white;border:1px solid black;height:62px;width:62px;}#yiv6174696655
div.yiv6174696655photo-title a, #yiv6174696655 div.yiv6174696655photo-title a:active,
#yiv6174696655 div.yiv6174696655photo-title a:hover, #yiv6174696655
div.yiv6174696655photo-title a:visited {text-decoration:none;}#yiv6174696655
div.yiv6174696655attach-table div.yiv6174696655attach-row {clear:both;}#yiv6174696655
div.yiv6174696655attach-table div.yiv6174696655attach-row div {float:left;}#yiv6174696655
p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv6174696655
div.yiv6174696655ygrp-file {width:30px;}#yiv6174696655 div.yiv6174696655attach-table
div.yiv6174696655attach-row div div a {text-decoration:none;}#yiv6174696655
div.yiv6174696655attach-table div.yiv6174696655attach-row div div span
{font-weight:normal;}#yiv6174696655 div.yiv6174696655ygrp-file-title
{font-weight:bold;}#yiv6174696655 #yiv6174696655 #yiv6174696655 #yiv6174696655
--#yiv6174696655ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px
0;padding:0 10px;}#yiv6174696655 #yiv6174696655ygrp-mkp hr {border:1px solid
#d8d8d8;}#yiv6174696655 #yiv6174696655ygrp-mkp #yiv6174696655hd
{color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px
0;}#yiv6174696655 #yiv6174696655ygrp-mkp #yiv6174696655ads
{margin-bottom:10px;}#yiv6174696655 #yiv6174696655ygrp-mkp .yiv6174696655ad {padding:0
0;}#yiv6174696655 #yiv6174696655ygrp-mkp .yiv6174696655ad p {margin:0;}#yiv6174696655
#yiv6174696655ygrp-mkp .yiv6174696655ad a
{color:#0000ff;text-decoration:none;}#yiv6174696655

The k4kio also has incredible reviews on eham (118 @ 5.0/5.0) !And the size might work.
 Have you worked Europe or Australia on voice with the k4kio?It might sound like a silly question, but I have only done DX with JT65 digital.And when listening on voice, I only hear the US person on a DX contact.

thanks,Mike k0grc

34827. Re: [ham-antennas] Re: small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 14:50:23 UTC
From: Keith Heimbold
Topic: 34816 Message: 34827

For rental/portable operations, which is my current situation my traffie hex pak antenna has been the perfect option. These aren't manufactured any longer but you can change bands in about 15 minutes. I have owned a K4KIO and with all the wires portable ops and the ups and downs would have been a huge undertaking in my portable situation. Of course not having to change bands would be cool. Currently I have it up for 20m, use my cobweb for 15m and my G7FEK for all other bands.

If you can get your hands on one of these Hex pak antennas I would recommend it.

Keith
AK6ZZ
Sent from my iPhone please excuse typos

> On Nov 25, 2014, at 6:37 AM, "'Bill Blomgren (kk4qdz)' billblomgren@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I don't have the KIO hexbeam up right this instant, but I know that there are several people on the Elecraft net that use them and rave about them. There is a 3 element variant out of europe that does even better... effectively a 3 element yagi on 20 through 6 meters, but it is a tad larger.. (5-8 feet larger in its width - which put it in trees at my location.) However, there are comparisons on the web. (the extra 2-3 db of gain would be nice...) The results are very good. I'm in an apartment, so I have to do a push up pole that is "temporary" in nature... working on getting the needed bits and pieces for a push up pole with rope for guy work... and get the pole to the apartment. I haven't worked Europe or Australia with it.. but don't see any significant issues doing so once the propagation deities decide to smile...
>
> KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
>
> From: "goldenrosecottage@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Monday, November 24, 2014 3:37 PM
> Subject: [ham-antennas] Re: small Yagi or hexbeam for dx phone
>
>
>
> The k4kio also has incredible reviews on eham (118 @ 5.0/5.0) !
> And the size might work. Have you worked Europe or Australia on voice with the k4kio?
> It might sound like a silly question, but I have only done DX with JT65 digital.
> And when listening on voice, I only hear the US person on a DX contact.
>
> thanks,
> Mike k0grc
>
>
>

>
>

34828. IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 16:03:01 UTC
From: Dan Coleman
Topic: 34828 Message: 34828

I have a long run of CATV Hardline, (75 ohms) from my operating position to the top of the tower. This run is about 275 feet. At the top of the tower I have a quad for 432 and 144. There are separate feed lines for the driven elements. So, I need to convert the 75 ohm hardline to the 52 ohm driven element.

Has anyone use a modified MFJ-916BC for this task? In other words. Has anyone modified the MFJ Duplexer so that you can feed it with 75 ohm coax and still retain the 52 ohm dual output? It would seem to me that maybe spreading a coil or padding a cap could accomplish this. I have asked MFJ but they don't respond. I have contacted technical services at ARRL but they were no help at all.

Maybe someone here has solved this problem.

73,

Dan, W8KMX

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34829. Re: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 17:04:36 UTC
From: Mel Farrer
Topic: 34828 Message: 34829

Not the MFJ, per se, but any good filter book or calculator "can" use different impedance's on the ends. So a diplexer with low pass and high pass legs can do the job for the 144 and 432 antenna feeds.

Mel, K6KBE

From: "'Dan Coleman' w8kmx@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2014 8:03 AM
Subject: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

I have a long run of CATV Hardline, (75 ohms) from my operating position to the top of the tower. This run is about 275 feet. At the top of the tower I have a quad for 432 and 144. There are separate feed lines for the driven elements. So, I need to convert the 75 ohm hardline to the 52 ohm driven element. Has anyone use a modified MFJ-916BC for this task? In other words. Has anyone modified the MFJ Duplexer so that you can feed it with 75 ohm coax and still retain the 52 ohm dual output? It would seem to me that maybe spreading a coil or padding a cap could accomplish this. I have asked MFJ but they don’t respond. I have contacted technical services at ARRL but they were no help at all.Maybe someone here has solved this problem.73,Dan, W8KMX

| | This email is free from viruses and malware because avast! Antivirus protection is active. |

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34830. AW: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 17:15:14 UTC
From: siegfried jackstien
Topic: 34828 Message: 34830

Yepp ... use a software for filter design ... and recalculate that for the changed impedance ...

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 25. November 2014 17:05
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS
>
>
>
> Not the MFJ, per se, but any good filter book or calculator "can" use
> different impedance's on the ends. So a diplexer with low pass and high
> pass legs can do the job for the 144 and 432 antenna feeds.
>
>
> Mel, K6KBE
>
>
>
>
> _____
>
> From: "'Dan Coleman' w8kmx@... [ham-antennas]" <ham-
> antennas@yahoogroups.com>
> To: ham-antennas@yahoogroups.com
> Sent: Tuesday, November 25, 2014 8:03 AM
> Subject: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS
>
>
>
> I have a long run of CATV Hardline, (75 ohms) from my operating position
> to the top of the tower. This run is about 275 feet. At the top of the
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> driven elements. So, I need to convert the 75 ohm hardline to the 52 ohm
> driven element.
>
> Has anyone use a modified MFJ-916BC for this task? In other words. Has
> anyone modified the MFJ Duplexer so that you can feed it with 75 ohm coax
> and still retain the 52 ohm dual output? It would seem to me that maybe
> spreading a coil or padding a cap could accomplish this. I have asked MFJ

> but they don□t respond. I have contacted technical services at ARRL but
> they were no help at all.
> Maybe someone here has solved this problem.
> 73,
> Dan, W8KMX
>
>
> _____
>
> <http://www.avast.com/> This email is free from viruses and malware
> because avast! Antivirus <http://www.avast.com/> protection is active.
>
>
>
>
>

34831. Re: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 17:45:24 UTC
From: KA4INM radio
Topic: 34828 Message: 34831

On 11/25/14 11:03, 'Dan Coleman' w8kmx@... wrote:

> I have a long run of CATV Hardline, (75 ohms) from my operating position
> to the top of the tower. This run is about 275 feet. At the top of the
> tower I have a quad for 432 and 144. There are separate feed lines for
> the driven elements. So, I need to convert the 75 ohm hardline to the 52
> ohm driven element.

> Has anyone use a modified MFJ-916BC for this task? In other words. Has
> anyone modified the MFJ Duplexer so that you can feed it with 75 ohm
> coax and still retain the 52 ohm dual output? It would seem to me that
> maybe spreading a coil or padding a cap could accomplish this. I have
> asked MFJ but they don’t respond. I have contacted technical services at
> ARRL but they were no help at all.

> Maybe someone here has solved this problem.

I say, try it without making any impedance changes, the error isn't
that great.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34832. Re: [ham-antennas] Re: small Yagi or hexbeam for dx phone

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 18:40:34 UTC
From: goldenrosecottage@...
Topic: 34816 Message: 34832

Wow! Thanks for all the great information. I'm new to this group, and I really appreciate all the responses!

Originally, I sold my xyl on the "look" of the Mosely Mini-32-A (2 20ft elements, 6ft apart).
The hexbeams all put quite a bit more metal in the air, which is probably why they work so well.
Our Victorian (1879) house is fairly small, and I want to go with the smallest antenna that will allow for phone dx to Europe and/or Australia. Before I go with a hexbeam, I need to find out more about the small Yagi antennas.

I'll post a new question specifically about the Mosely Mini-32-A.

thanks,
Mike k0grc

34833. Mosely Mini-32-A beam for DXing?

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 18:45:05 UTC
From: goldenrosecottage@...
Topic: 34833 Message: 34833

Does anybody use a Mosely Mini-32-A beam for phone dx to Europe and/or Australia?

thanks,
Mike k0grc

34834. Dipole into a loop

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 20:56:59 UTC
From: bartenderjim2002@...
Topic: 34834 Message: 34834

Hi to the group,

First I want to take this time to wish all in the group a Happy Thanksgiving (if you are in USA, if not then happy day) and Happy Holidays to all...

I have a question regarding changing a dipole into a loop...A number of years ago I built a homebrew 10M dipole. just some wire soldered to a piece of coax and attached to a light piece of wood for stability. I had this up in an inverted V form for a lot of years. But now---space availability has changed. What I would like to do is put this dipole onto a cross formed from PVC pipe, stuck onto a piece of PVC for a mast and be able to put it outside and then take it back in when I am done.

Questions---will the charactersistics of the antenna change? I used to do real well with this antenna on 10M have QSL's from 3 different countries when it was set up in between 2 apartment buildings...but now???? can't use this space any longer...so am thinking this might be the route I need to take. If this works then I will also do the same for my G5RV,jr....these are thoughts only just asking...trying to work out my restriction problems.

Thanks for all the help and information you guys have provided in the past and hopefully provide in the future

JamesM
KJ6FXA

34835. Re: [ham-antennas] Dipole into a loop

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 21:54:53 UTC
From: Don Sanders
Topic: 34834 Message: 34835

Jim, Changing the dipole to a loop will work fine. However, there are matching problems.
If you make it an open half wave loop it will be very low impedance feedpoint.
If a closed half wave loop it will be a high impedance.
If you add wire to make it a one wave loop it will be about 120 to 150 ohm feedpoint.

There is a similar antenna, cobweb antenna, that is a half wave loop on 5 bands.
It has about 10 ohms feed and a balun is used to bring it up to near 50 ohms.
You can GOOGLE Cobweb antenna to get information.
Other information about loops is in the ARRL Antenna Handbook.

Dr. Don HC4/W4BWS

On Tue, Nov 25, 2014 at 3:56 PM, bartenderjim2002@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi to the group,
>
>
> First I want to take this time to wish all in the group a Happy
> Thanksgiving (if you are in USA, if not then happy day) and Happy Holidays
> to all...
>
>
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> in an inverted V form for a lot of years. But now---space availability has
> changed. What I would like to do is put this dipole onto a cross formed
> from PVC pipe, stuck onto a piece of PVC for a mast and be able to put it
> outside and then take it back in when I am done.
>
>
> Questions---will the charactersistics of the antenna change? I used to do
> real well with this antenna on 10M have QSL's from 3 different countries
> when it was set up in between 2 apartment buildings...but now???? can't use
> this space any longer...so am thinking this might be the route I need to
> take. If this works then I will also do the same for my G5RV,jr....these
> are thoughts only just asking...trying to work out my restriction problems.
>

>
> Thanks for all the help and information you guys have provided in the past
> and hopefully provide in the future
>
>
> JamesM
>
> KJ6FXA
>
>
>

34836. Re: [ham-antennas] Dipole into a loop

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 23:21:17 UTC
From: Mel Farrer
Topic: 34834 Message: 34836

Actually it isn't difficult. Any dipole can be pulled into a square configuration. Impedance will change and needs to be addressed, but there are many examples of a dipole square along with loops and even one called the Hula Hoop. All of them are smaller in size physically than the regular dipole or inverted V. Bill Orr's last HF antenna handbook had a neat one allowing operation on two bands. page 5-8. Good luck.
Mel, K6KBE

From: "bartenderjim2002@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2014 12:56 PM
Subject: [ham-antennas] Dipole into a loop

  Hi to the group,
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Questions---will the charactersistics of the antenna change? I used to do real well with this antenna on 10M have QSL's from 3 different countries when it was set up in between 2 apartment buildings...but now???? can't use this space any longer...so am thinking this might be the route I need to take. If this works then I will also do the same for my G5RV,jr....these are thoughts only just asking...trying to work out my restriction problems.
Thanks for all the help and information you guys have provided in the past and hopefully provide in the future
JamesMKJ6FXA <!--

34837. Re: [ham-antennas] Dipole into a loop

Yahoo group: ham-antennas (2014)
Date: 2014-11-25 23:24:22 UTC
From: Mel Farrer
Topic: 34834 Message: 34837

Don has a good idea, but don't forget you can the open half wave dipole into a OCF to get the right feed point impedance.
Mel, K6KBE

From: "Don Sanders w4bws1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2014 1:54 PM
Subject: Re: [ham-antennas] Dipole into a loop

Jim, Changing the dipole to a loop will work fine. However, there are matching problems.If you make it an open half wave loop it will be very low impedance feedpoint. If a closed half wave loop it will be a high impedance.If you add wire to make it a one wave loop it will be about 120 to 150 ohm feedpoint.
There is a similar antenna, cobweb antenna, that is a half wave loop on 5 bands.It has about 10 ohms feed and a balun is used to bring it up to near 50 ohms.You can GOOGLE Cobweb antenna to get information. Other information about loops is in the ARRL Antenna Handbook.

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Hi to the group,
First I want to take this time to wish all in the group a Happy Thanksgiving (if you are in USA, if not then happy day) and Happy Holidays to all...
I have a question regarding changing a dipole into a loop...A number of years ago I built a homebrew 10M dipole. just some wire soldered to a piece of coax and attached to a light piece of wood for stability. I had this up in an inverted V form for a lot of years. But now---space availability has changed. What I would like to do is put this dipole onto a cross formed from PVC pipe, stuck onto a piece of PVC for a mast and be able to put it outside and then take it back in when I am done.
Questions---will the charactersistics of the antenna change? I used to do real well with this antenna on 10M have QSL's from 3 different countries when it was set up in between 2 apartment buildings...but now???? can't use this space any longer...so am thinking this might be the route I need to take. If this works then I will also do the same for my G5RV,jr....these are thoughts only just asking...trying to work out my restriction problems.
Thanks for all the help and information you guys have provided in the past and hopefully provide in the future
JamesMKJ6FXA

34838. Re: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 00:45:07 UTC
From: farrerfolks@...
Topic: 34828 Message: 34838

One thing about what Ron says. With that much coax of a run, the loss might just smooth the match out. Remember it is only 1.5:1 direct!!!!! However, you still have to split the energy low band and high band with a diplexer.

Mel, K6KBE

34839. Re: [ham-antennas] Dipole into a loop

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 01:15:47 UTC
From: Rich Schmuke
Topic: 34834 Message: 34839

The quick and easy way to get a good match on a mono-band loop is to add a 1/4wl 75ohm section of coax as a matching transformer. A loop is one of my favorite antennas, it is my only antenna for the lower bands, 40 thru 160. You can make a 2:1 balun for a monoband loop but a short section of coax is easy and quick to do, just remember to adjust the length according to the velocity factor of the coax you use and you will have great SWR.

Rich, KdØzz

On Tue, Nov 25, 2014 at 2:56 PM, bartenderjim2002@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Hi to the group,
>
>
> First I want to take this time to wish all in the group a Happy
> Thanksgiving (if you are in USA, if not then happy day) and Happy Holidays
> to all...
>
>
> I have a question regarding changing a dipole into a loop...A number of
> years ago I built a homebrew 10M dipole. just some wire soldered to a piece
> of coax and attached to a light piece of wood for stability. I had this up
> in an inverted V form for a lot of years. But now---space availability has
> changed. What I would like to do is put this dipole onto a cross formed
> from PVC pipe, stuck onto a piece of PVC for a mast and be able to put it
> outside and then take it back in when I am done.
>
>
> Questions---will the charactersistics of the antenna change? I used to do
> real well with this antenna on 10M have QSL's from 3 different countries
> when it was set up in between 2 apartment buildings...but now???? can't use
> this space any longer...so am thinking this might be the route I need to
> take. If this works then I will also do the same for my G5RV,jr....these
> are thoughts only just asking...trying to work out my restriction problems.
>
>
> Thanks for all the help and information you guys have provided in the past
> and hopefully provide in the future
>
>
> JamesM
>
> KJ6FXA

>
>
>

34840. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 01:42:37 UTC
From: bswadener@...
Topic: 34681 Message: 34840

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

---In ham-antennas@yahoogroups.com, <kenf01@...> wrote :

I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?

Ken W3CAT

34841. Re: [ham-antennas] Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 01:52:33 UTC
From: Mark Levine, D.C.
Topic: 34681 Message: 34841

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
----- Original Message -----
From: bswadener@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Tuesday, November 25, 2014 8:42 PM
Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

---In ham-antennas@yahoogroups.com, <kenf01@...> wrote :

I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?

Ken W3CAT

34842. Re: Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 02:34:06 UTC
From: Rich Schmuke
Topic: 34681 Message: 34842

Why would you want to shrink wrap?? it. I use bare most of the time. I did use some insulated when a large loop went thru some trees. Out in the open it is all the same.

Rich, KdØzz

34843. Re: [ham-antennas] IMPEDANCE MATCHING CONSIDERATIONS

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 13:47:13 UTC
From: Myron WVØH
Topic: 34828 Message: 34843

Well in one instance, yes, this is correct but at worst case, as noted in original post the mismatch could be at 112.5 Ω. But that is if your entire system rotates phase exactly to a half wave point, un masked by matched loss of the line. There is 275 feet of line here. The loss at VHF is going to be several dB, if this is 1/2" hardline, and 4-ish dB matched loss at UHF, this brings down the worst case mismatch probably closer to 1.5:1 at UHF and 1:9:1 at VHF. Mismatch loss and connector loss make (mask) the SWR lower.

Again, you all are right, I would try it first without adjustment. Then if needed, adjust the line lengths at the rig end. You may get lucky and land right on the zero ° point with 1:1.

I ran a Smith Chart model exacerbating the loss to show the coax spiral in to 75 Ω but it is neat to see the effect. I could only do a few phase wraps and not the entire 275' line. UHF would spiral in quicker.

Myron WVØH
Printed on Recycled Data

> On Nov 25, 2014, at 5:45 PM, farrerfolks@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> Remember it is only 1.5:1 direct!!!!!

[Non-text portions of this message have been removed]

34844. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 17:45:18 UTC
From: Bryan Swadener
Topic: 34681 Message: 34844

My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.
-30-EndEOTFinis
vy 73,Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
  ----- Original Message -----
  From: Bryan WA7PRC
  Sent: Tuesday, November 25, 2014 8:42 PM
  Subject: [ham-antennas] Re: Insulated vs Bare Wire

 Ken,

 In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

  vy 73,
  Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
Ken W3CAT

34845. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 18:06:48 UTC
From: Mark Levine, D.C.
Topic: 34681 Message: 34845

What's your point? My comment was directed to the durability of FlexWeave vs Hard/softdrawn copper. Yours seems more like trolling.
----- Original Message -----
From: Bryan Swadener bswadener@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 26, 2014 12:45 PM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.

-30-
End
EOT
Finis

vy 73,
Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
----- Original Message -----
From: Bryan WA7PRC
Sent: Tuesday, November 25, 2014 8:42 PM
Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?

Ken W3CAT

34846. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 18:29:35 UTC
From: bswadener@...
Topic: 34681 Message: 34846

Mark,

My point should have been obvious (disagreeing with your comment). To be specific, counter to your experience, FlexWeave wire is quite durable. Steve Davis (owner of Davis RF) told me it IS hard-drawn wire.

And, to qualify my testimony, New England isn't the only region that experiences severe weather. As well, we have some VERY severe storms in the Pacific Northwest. We just don't typically advertise it.

And, this will now be my last post on this subject:
-30-
End
EOT
Finis

vy 73 es gl,
Bryan WA7PRC

---In ham-antennas@yahoogroups.com, <wb2eqe@...> wrote :

☐ What's your point? My comment was directed to the durability of FlexWeave vs Hard/softdrawn copper. Yours seems more like trolling.
----- Original Message -----
From: Bryan WA7PRC
Sent: Wednesday, November 26, 2014 12:45 PM

Subject: Re: [ham-antennas] Insulated vs Bare Wire

My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.

-30-
End
EOT
Finis

vy 73,
Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mailto:wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
----- Original Message -----
From: Bryan WA7PRC
Sent: Tuesday, November 25, 2014 8:42 PM
Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
Ken W3CAT

34847. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 19:00:52 UTC
From: Robert Harmon
Topic: 34681 Message: 34847

FWIW, I live in a very windy area in Northern Ca near the coast and have had the best results from Flexweave myself.
It holds up better than any other antenna wire I have used, and I have tried them all in my 55 years of being a ham.
Oops revealing how old I am. hihi

Bob
K6UJ

On Nov 26, 2014, at 10:29 AM, bswadener@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> Mark,
>
>
> My point should have been obvious (disagreeing with your comment). To be specific, counter to your experience, FlexWeave wire is quite durable. Steve Davis (owner of Davis RF) told me it IS hard-drawn wire.
>
> And, to qualify my testimony, New England isn't the only region that experiences severe weather. As well, we have some VERY severe storms in the Pacific Northwest. We just don't typically advertise it.
>
> And, this will now be my last post on this subject:
> -30-
> End
> EOT
> Finis
>
> vy 73 es gl,
> Bryan WA7PRC
>
> ---In ham-antennas@yahoogroups.com, <wb2eqe@...> wrote :
>
> ☐
> What's your point? My comment was directed to the durability of FlexWeave vs Hard/softdrawn copper. Yours seems more like trolling.
> ----- Original Message -----
> From: Bryan WA7PRC
> Sent: Wednesday, November 26, 2014 12:45 PM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
> My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.
>
> -30-

> End
> EOT
> Finis
>
> vy 73,
> Bryan WA7PRC
>
> Re: Insulated vs Bare Wire
> Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
> Date: Tue Nov 25, 2014 5:52 pm ((PST))
>
> I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.
>
> ML
> ----- Original Message -----
> From: Bryan WA7PRC
> Sent: Tuesday, November 25, 2014 8:42 PM
> Subject: [ham-antennas] Re: Insulated vs Bare Wire
>
> Ken,
>
> In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.
>
>
> vy 73,
> Bryan WA7PRC
>
>
>
> Ken W3CAT wrote :
> I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
> Ken W3CAT
>
>

34848. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 19:12:06 UTC
From: Mark Levine, D.C.
Topic: 34681 Message: 34848

Fine, in my experience (45 years licensed as well), with several dipoles put up on the tower by KC1XX and crew, the FlexWeave under-performed plain old 14g multistrand wire. The FlexWeave dipoles consistently came down, torn - weave pulled apart, whereas cheap 'hamfest' wire stayed up.

Personally I will not waste any more money on FlexWeave, period.

I made no uncalled for derogatory comments about weather or east coast vs west coast.
----- Original Message -----
From: bswadener@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 26, 2014 1:29 PM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Mark,

My point should have been obvious (disagreeing with your comment). To be specific, counter to your experience, FlexWeave wire is quite durable. Steve Davis (owner of Davis RF) told me it IS hard-drawn wire.

And, to qualify my testimony, New England isn't the only region that experiences severe weather. As well, we have some VERY severe storms in the Pacific Northwest. We just don't typically advertise it.

And, this will now be my last post on this subject:
-30-
End
EOT
Finis

vy 73 es gl,
Bryan WA7PRC

---In ham-antennas@yahoogroups.com, <wb2eqe@...> wrote :

☐
What's your point? My comment was directed to the durability of FlexWeave vs Hard/softdrawn copper. Yours seems more like trolling.
----- Original Message -----
From: Bryan WA7PRC
Sent: Wednesday, November 26, 2014 12:45 PM

Subject: Re: [ham-antennas] Insulated vs Bare Wire

My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.

-30-
End
EOT
Finis

vy 73,
Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
----- Original Message -----
From: Bryan WA7PRC
Sent: Tuesday, November 25, 2014 8:42 PM
Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
Ken W3CAT

34849. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 19:47:46 UTC
From: Robert Harmon
Topic: 34681 Message: 34849

It is interesting that the flexweave performs quite well for some and not others in similar windy conditions.
The variable then that we should compare is how the antenna wire is attached to the center insulator and the end insulators.
Is the connection designed to reduce the stress at the attachment points ? There are a number of ways to make this connection
relatively stress free and almost immune to wire damage from fatigue. Any wire will fail prematurely if not attached in a way to minimize stress,
even steel copper clad wire. Ask me how I know this, hihi.
My point here is that we should look at the complete system before blaming the antenna wire.
I think we have beat this subject to death now and should end the discussion.

Happy Thanksgiving ham-antennas group !

Bob
K6UJ

On Nov 26, 2014, at 11:12 AM, 'Mark Levine, D.C.' wb2eqe@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

> □
>
> Fine, in my experience (45 years licensed as well), with several dipoles put up on the tower by KC1XX and crew, the FlexWeave under-performed plain old 14g multistrand wire. The FlexWeave dipoles consistently came down, torn - weave pulled apart, whereas cheap 'hamfest' wire stayed up.
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> Personally I will not waste any more money on FlexWeave, period.
>
> I made no uncalled for derogatory comments about weather or east coast vs west coast.
> ----- Original Message -----
> From: bswadener@... [ham-antennas]
> To: ham-antennas@yahoogroups.com
> Sent: Wednesday, November 26, 2014 1:29 PM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
> Mark,
>
> My point should have been obvious (disagreeing with your comment). To be specific, counter to your experience, FlexWeave wire is quite durable. Steve Davis (owner of Davis RF) told me it IS hard-drawn wire.
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> And, to qualify my testimony, New England isn't the only region that experiences severe weather. As well, we have some VERY severe storms in the Pacific Northwest. We just don't typically advertise it.
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> And, this will now be my last post on this subject:

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> EOT
> Finis
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> vy 73 es gl,
> Bryan WA7PRC
>
> ---In ham-antennas@yahoogroups.com, <wb2eqe@...> wrote :
>
> ☐
> What's your point? My comment was directed to the durability of FlexWeave vs Hard/softdrawn copper. Yours seems more like trolling.
> ----- Original Message -----
> From: Bryan WA7PRC
> Sent: Wednesday, November 26, 2014 12:45 PM
> Subject: Re: [ham-antennas] Insulated vs Bare Wire
>
> My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.
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> Finis
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> vy 73,
> Bryan WA7PRC
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> Re: Insulated vs Bare Wire
> Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
> Date: Tue Nov 25, 2014 5:52 pm ((PST))
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> ML
> ----- Original Message -----
> From: Bryan WA7PRC
> Sent: Tuesday, November 25, 2014 8:42 PM
> Subject: [ham-antennas] Re: Insulated vs Bare Wire
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> Ken,
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> In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare

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> vy 73,
> Bryan WA7PRC
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>
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> Ken W3CAT wrote :
> I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
> Ken W3CAT
>
>

34850. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 19:56:16 UTC
From: Mark Levine, D.C.
Topic: 34681 Message: 34850

In my experience, all failures occurred well away from the connection points. Installations were all performed by XX Towers, a professional team led by KC1XX.

ML
----- Original Message -----
From: Robert Harmon k6uj@pacbell.net [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 26, 2014 2:47 PM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

It is interesting that the flexweave performs quite well for some and not others in similar windy conditions.
The variable then that we should compare is how the antenna wire is attached to the center insulator and the end insulators.
Is the connection designed to reduce the stress at the attachment points ? There are a number of ways to make this connection
relatively stress free and almost immune to wire damage from fatigue. Any wire will fail prematurely if not attached in a way to minimize stress,
even steel copper clad wire. Ask me how I know this, hihi.
My point here is that we should look at the complete system before blaming the antenna wire.
I think we have beat this subject to death now and should end the discussion.

Happy Thanksgiving ham-antennas group !

Bob
K6UJ

On Nov 26, 2014, at 11:12 AM, 'Mark Levine, D.C.' wb2eqe@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

□

Fine, in my experience (45 years licensed as well), with several dipoles put up on the tower by KC1XX and crew, the FlexWeave under-performed plain old 14g multistrand wire. The FlexWeave dipoles consistently came down, torn - weave pulled apart, whereas cheap 'hamfest' wire stayed up.

Personally I will not waste any more money on FlexWeave, period.

I made no uncalled for derogatory comments about weather or east coast vs west coast.
----- Original Message -----
From: bswadener@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Wednesday, November 26, 2014 1:29 PM
Subject: Re: [ham-antennas] Insulated vs Bare Wire

Mark,

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And, to qualify my testimony, New England isn't the only region that experiences severe weather. As well, we have some VERY severe storms in the Pacific Northwest. We just don't typically advertise it.

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EOT
Finis

vy 73 es gl,
Bryan WA7PRC

---In ham-antennas@yahoogroups.com, <wb2eqe@...> wrote :

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----- Original Message -----
From: Bryan WA7PRC
Sent: Wednesday, November 26, 2014 12:45 PM

Subject: Re: [ham-antennas] Insulated vs Bare Wire

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End
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Finis

vy 73,
Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

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ML
----- Original Message -----
From: Bryan WA7PRC
Sent: Tuesday, November 25, 2014 8:42 PM

Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
Ken W3CAT

34851. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-26 23:58:41 UTC
From: Ham Radio
Topic: 34809 Message: 34851

Frank,

I have an update. I was able to sneak home early today from work and start on the antenna mods. I added the 20m wire as recommended and shortened the shorter leg by about 12” to fix my issue on 40m.

I hooked my rig expert AA-54 antenna analyzer and everything was out of whack.

I have been using the 1:1 balun from an old system I had as a connector to the system. I realize this is a non traditional approach to this antenna but I decided to use it. I thought it might be a good idea to have one at the feedpoint.

So after the mods I decided to connect the antenna through a 4:1 balun I had lying around and lo and behold 40m is less than 1:1 lower part of the band, 30m is just less than 2:1 (better than before) and 15m is 1.5:1 in phone part of band.

So if I swap baluns I get all the bands. I am going to play with adding more elevated radials and will report on progress. Right now I am making JT65 contacts on 15m. Before this experiment I didn’t hear much of anything on 15m with this antenna. So at the end of the day, I have a significantly modified version of the G7FEK. This antenna didn’t cost much and allowed me to unload an expensive commercial vertical that was a potential danger to my little boy who is always doing crazy stuff. He can’t do much to the wire antenna that could hurt him.

Keith
AK6ZZ

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, November 24, 2014 9:32 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Cobweb monoband 15m

Hi Keith,

I would be interested to know the results of any changes you make. I am interested in the modified G7FEK antenna for 30, 40 and 80 metres as I have limited space. I have a beam on the roof for the higher bands.

73, Frank, VE7AWV

On Nov 24, 2014 6:00 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Hi Frank,

I just looked on the web regarding his recommended changes. They look interesting and i am considering giving them an attempt. I do believe that I have a chance to influence the swr on 40m by shortening my current short leg a little more but that requires me to take the

antenna down. I might do it over the long Thanksgiving weekend.

Looks like swr on 30m goes way up in his model. Mine is around 4:1 and I have been working some DX stations on it so I may not mess with trying to get 40m to tune better. Also 20m is off and performance is terrible so I may end up putting up that suspended wire that is recommended.

Thanks again & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Did you try the G8JNJ version of the G7FEK antenna? He revisited the antenna and suggested some improvements.

73, Frank VE7AWV

On Nov 23, 2014 12:10 PM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

The G7FEK is great on 80m. It is terrible on 40m and good on 30m. It is actually decent on 6m.

Keith
AK6ZZ

Sent from my iPhone please excuse typos

On Nov 23, 2014, at 12:06 PM, "Dave Patrick dpatrick_1@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

How is.the G7FEK working out on the lower frequencies?

Dave
G6EGM

Sent from my Nokia Lumia 800

From: Keith Heimbold ag6az@... [ham-antennas]
Sent: 22/11/2014 22:40
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Cobweb monoband 15m

I built a cobweb antenna monoband for 15m for about $20 using bamboo stakes and a kit I bought on eBay for the 1:4 balun. It works great. It doesn't weigh much and I am very happy with it. Just thought I would mention it as an easy project. I have been working a lot of DX and domestic stations with it today and I am very surprised. It shreds my G7FEK wire antenna in terms of performance.

I used a lot of info from this group to build it and my G7FEK.

Thanks & 73,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34852. Re: [ham-antennas] Cobweb monoband 15m

Yahoo group: ham-antennas (2014)
Date: 2014-11-27 04:33:27 UTC
From: Frank Eichel
Topic: 34809 Message: 34852

Hi Keith,

Well, what a surprise, I did not think a balun was needed for this antenna! That is the beauty of experimentation, I like the surprises when things work out. Keep going with the mods, the results will be interesting to see, especially with the elevated radial.

I have just enough room to put a G7FEK antenna just outside the shack but I will have to put up a couple of masts. Then I can put the elevated radial on top of the wooden fence. Hmmm, I should think about the opposite side of the yard and use the chain link fence as a radial. Now that is a thought.

73, Frank VE7AWV
On Nov 26, 2014 3:58 PM, "'Ham Radio ' ag6az@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Frank,
>
> I have an update. I was able to sneak home early today from work and
> start on the antenna mods. I added the 20m wire as recommended and
> shortened the shorter leg by about 12” to fix my issue on 40m.
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> I hooked my rig expert AA-54 antenna analyzer and everything was out of
> whack.
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> the system. I realize this is a non traditional approach to this antenna
> but I decided to use it. I thought it might be a good idea to have one at
> the feedpoint.
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> So after the mods I decided to connect the antenna through a 4:1 balun I
> had lying around and lo and behold 40m is less than 1:1 lower part of the
> band, 30m is just less than 2:1 (better than before) and 15m is 1.5:1 in
> phone part of band.
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> So if I swap baluns I get all the bands. I am going to play with adding
> more elevated radials and will report on progress. Right now I am making
> JT65 contacts on 15m. Before this experiment I didn’t hear much of
> anything on 15m with this antenna. So at the end of the day, I have a
> significantly modified version of the G7FEK. This antenna didn’t cost much
> and allowed me to unload an expensive commercial vertical that was a
> potential danger to my little boy who is always doing crazy stuff. He
> can’t do much to the wire antenna that could hurt him.
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> Keith
> AK6ZZ
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Monday, November 24, 2014 9:32 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Cobweb monoband 15m
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> Hi Keith,
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> 73, Frank, VE7AWV
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> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>> Thanks again & 73,
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>> Keith
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>> Sent from my iPhone please excuse typos
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>> On Nov 23, 2014, at 2:08 PM, "Frank Eichel tmbrjnkr@...
>> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>> antenna and suggested some improvements.

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>>> How is.the G7FEK working out on the lower frequencies?
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>>> Dave
>>> G6EGM
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>>> Sent from my Nokia Lumia 800
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>>> From: Keith Heimbold ag6az@... [ham-antennas]
>>> Sent: 22/11/2014 22:40
>>> To: ham-antennas@yahoogroups.com
>>> Subject: [ham-antennas] Cobweb monoband 15m
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>>> I built a cobweb antenna monoband for 15m for about $20 using bamboo
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>>> I used a lot of info from this group to build it and my G7FEK.
>>>
>>> Thanks & 73,
>>>
>>> Keith
>>> AK6ZZ
>>>
>>> Sent from my iPhone please excuse typos
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>>>
>

34853. To thouse around

Yahoo group: ham-antennas (2014)
Date: 2014-11-27 22:08:09 UTC
From: dalecole3502@...
Topic: 34853 Message: 34853

To all of you, I wish the best Thanksgiving.....

Dale K8TS

34854. Re: [ham-antennas] Insulated vs Bare Wire

Yahoo group: ham-antennas (2014)
Date: 2014-11-27 22:30:16 UTC
From: Goldtr8 (KD8NNU)
Topic: 34681 Message: 34854

HI Brian,

Can you provide details regarding the capacity hat you use for 160m.

Thanks
Don

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, November 26, 2014 12:45 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Insulated vs Bare Wire

My 80m cage inv vee / 160m top-hat vertical has been up over a dozen years through MANY severe storms that pass thru Western Washington. Many on the 'right coast' don't know they're not the only ones who get severe weather. We typically don't advertise it.

-30-
End
EOT
Finis

vy 73,
Bryan WA7PRC

Re: Insulated vs Bare Wire
Posted by: "Mark Levine, D.C." wb2eqe@... mlevinedc3
Date: Tue Nov 25, 2014 5:52 pm ((PST))

I run a single common feed to 1/2 wave 80/160 dipoles and have had no luck with FlexWeave staying up in our New England winters. I was only getting about 6 months out of them. I changed back to hard drawn, and have had the present ones up for several years.

ML
----- Original Message -----
From: Bryan WA7PRC
Sent: Tuesday, November 25, 2014 8:42 PM
Subject: [ham-antennas] Re: Insulated vs Bare Wire

Ken,

In over 45 years with many wire antennas, I've not noticed ANY difference between insulated and uninsulated wire. Using shrink wrap will make it cost more. For the strength, just use

hard-drawn copper or copper-covered steel wire. I like the FlexWeave wire from Davis RF. The VERY high strand count maximizes the durability. You can get it in bare and PVC-coated.

vy 73,
Bryan WA7PRC

Ken W3CAT wrote :
I have a G5RV that uses bare wire. Is it wise to put this up? Or should I do something like use shrink wrap tubing on the wire?
Ken W3CAT

34855. 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 19:17:49 UTC
From: Keith Heimbold
Topic: 34855 Message: 34855

Just a quick question. I was wondering if anyone has references for a 40m cobweb antenna. I was wondering what the dimensions would be. I have been super happy with the 15m monoband cobweb. It was a fun project for sure and it works amazingly well. Thought a 40m version would be fun to build when I am at my inlaws this Christmas holiday.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34856. Re: [ham-antennas] 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 19:36:36 UTC
From: Don Sanders
Topic: 34855 Message: 34856

A half wave 40 meter loop will be the size of a 20 meter quad loop, about
17 feet on each side and 25 to 26 foot across the diagonal.
That will make it 68 foot circumference. You may have to add or subtract a
bit to resonate the loop.

Dr. Don W4BWS

On Fri, Nov 28, 2014 at 2:17 PM, Keith Heimbold ag6az@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Just a quick question. I was wondering if anyone has references for a 40m
> cobweb antenna. I was wondering what the dimensions would be. I have been
> super happy with the 15m monoband cobweb. It was a fun project for sure and
> it works amazingly well. Thought a 40m version would be fun to build when I
> am at my inlaws this Christmas holiday.
>
> Thanks,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34857. Re: [ham-antennas] 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 20:09:02 UTC
From: Geoff McAlpin
Topic: 34855 Message: 34857

I do, at home. I'll email later today with balun and element + spreader info.

On Nov 28, 2014 11:17 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Just a quick question. I was wondering if anyone has references for a 40m
> cobweb antenna. I was wondering what the dimensions would be. I have been
> super happy with the 15m monoband cobweb. It was a fun project for sure and
> it works amazingly well. Thought a 40m version would be fun to build when I
> am at my inlaws this Christmas holiday.
>
> Thanks,
>
> Keith
> AK6ZZ
>
> Sent from my iPhone please excuse typos
>
>

34858. Re: [ham-antennas] 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 20:22:28 UTC
From: Keith Heimbold
Topic: 34855 Message: 34858

Thanks Geoff!

Keith
AK6ZZ

Sent from my iPhone please excuse typos

> On Nov 28, 2014, at 12:09 PM, "Geoff McAlpin geoff.nm7v@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
> I do, at home. I'll email later today with balun and element + spreader info.
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>> On Nov 28, 2014 11:17 AM, "Keith Heimbold ag6az@hotmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
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>> Thanks,
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>> Keith
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34859. Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 20:40:11 UTC
From: rhulett1@...
Topic: 34859 Message: 34859

I am planning a 40M horizontal loop fed with window line to be used for multiple bands, and want to minimize the amount of coax used. In fact, would like to eliminate it entirely, and use the balun inside the tuner. The house safety ground is about 25' from the operating position. Was thinking of mounting two polyphasers on the safety rod, then connect center conductor of coax connectors to each leg of window line. This will be fairly expensive though.

I've seen an arrestor designed for window line, but it's construction looks fairly complex with a lot of parts mounted inside a plastic box, it wasn't cheap either.

What strategy are folks using to provide lightning mitigation (yes, I know a direct or close strike will cause damage anyway) for window and open feed?

Thanks in advance and 73, Curt KB5JO

34860. Re: [ham-antennas] Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 21:17:35 UTC
From: Mel Farrer
Topic: 34859 Message: 34860

I have used back to back non resistor sparkplugs. Where the electrode was tied to each side of the ladder line a piece of sheet metal around each threaded end and tied to ground. It was neat to watch when a storm came through and the plugs would drain the static electricity, Big flash.
Mel, K6KBE

From: "rhulett1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2014 12:40 PM
Subject: [ham-antennas] Lightning mitigation for window line feeder.

  I am planning a 40M horizontal loop fed with window line to be used for multiple bands, and want to minimize the amount of coax used. In fact, would like to eliminate it entirely, and use the balun inside the tuner. The house safety ground is about 25' from the operating position. Was thinking of mounting two polyphasers on the safety rod, then connect center conductor of coax connectors to each leg of window line. This will be fairly expensive though.

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Thanks in advance and 73, Curt KB5JO

<!--

34861. Re: [ham-antennas] Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 21:31:41 UTC
From: Ken
Topic: 34859 Message: 34861

> On Nov 28, 2014, at 3:40 PM, rhulett1@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I am planning a 40M horizontal loop fed with window line to be used for multiple bands, and want to minimize the amount of coax used. In fact, would like to eliminate it entirely, and use the balun inside the tuner. The house safety ground is about 25' from the operating position. Was thinking of mounting two polyphasers on the safety rod, then connect center conductor of coax connectors to each leg of window line. This will be fairly expensive though.
>
>

I’ve been wondering that myself. Of course, that is an advantage of the direct coax fed loop is that it is grounded on one side. At one point I had three open wire feeds plus the window line fed loop coming in and I was working on a board with 6” surplus knife switches for grounding. Since then I’ve been migrating back to coax.

The spark plugs that Mel mentioned are a good idea except they still leave a large static buildup on the line before they fire and I also worry about them arcing over under certain transmit conditions.

Ken WA8JXM

34862. Re: [ham-antennas] Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 22:05:45 UTC
From: Curt
Topic: 34859 Message: 34862

I used a spark plug when was a kid back in the 60s. Maybe that is how will deal with this issue. The price is better than nearly $100 for two polyphasers. Hard to imagine there's been so little progress in 50 years.

73, Curt KB5JO

----- Original Message -----
From: Mel Farrer farrerfolks@yahoo.com [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2014 3:17 PM
Subject: Re: [ham-antennas] Lightning mitigation for window line feeder.

I have used back to back non resistor sparkplugs. Where the electrode was tied to each side of the ladder line a piece of sheet metal around each threaded end and tied to ground. It was neat to watch when a storm came through and the plugs would drain the static electricity, Big flash.

Mel, K6KBE

From: "rhulett1@consolidated.net [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2014 12:40 PM
Subject: [ham-antennas] Lightning mitigation for window line feeder.

I am planning a 40M horizontal loop fed with window line to be used for multiple bands, and want to minimize the amount of coax used. In fact, would like to eliminate it entirely, and use the balun inside the tuner. The house safety ground is about 25' from the operating position. Was thinking of mounting two polyphasers on the safety rod, then connect center conductor of coax connectors to each leg of window line. This will be fairly expensive though.

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34863. Re: [ham-antennas] Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 22:38:24 UTC
From: Mel Farrer
Topic: 34859 Message: 34863

I think that one solution is to put a 1 Meg resistor across the spark gap. That will drain the static on slow ramp stuff but not the big induction spike, thats the spark gap's job.
Mel, K6KBE

From: "'Curt' rhulett1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2014 2:05 PM
Subject: Re: [ham-antennas] Lightning mitigation for window line feeder.

☐I used a spark plug when was a kid back in the 60s. Maybe that is how will deal with this issue. The price is better than nearly $100 for two polyphasers. Hard to imagine there's been so little progress in 50 years. 73, Curt KB5JO ----- Original Message -----
From: Mel Farrer farrerfolks@... [ham-antennas] To: ham-antennas@yahoogroups.com Sent: Friday, November 28, 2014 3:17 PM Subject: Re: [ham-antennas] Lightning mitigation for window line feeder.
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34864. Re: [ham-antennas] 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 22:20:41 UTC
From: goldtr8@...
Topic: 34855 Message: 34864
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

34865. Re: [ham-antennas] Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-28 23:35:29 UTC
From: Mel Farrer
Topic: 34859 Message: 34865

Here is a interesting site with MANY reference links. A good read.
Lightning Protection for TV and Radio Antennas

| |
| | | | | | | |
| Lightning Protection for TV and Radio AntennasHow to connect a TV or Radio Antenna while protecting your home from lightning dammage. Proper TV or radio tower grounding is the key to lightning protection and... |
| |
| View on www.nojolt.com | Preview by Yahoo |
| |
| |

Mel, K6KBE
From: "Mel Farrer farrerfolks@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Friday, November 28, 2014 2:38 PM
Subject: Re: [ham-antennas] Lightning mitigation for window line feeder.

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To: ham-antennas@yahoogroups.com
Sent: Friday, November 28, 2014 2:05 PM
Subject: Re: [ham-antennas] Lightning mitigation for window line feeder.

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Thanks in advance and 73, Curt KB5JO

34866. Re: [ham-antennas] 40m cobweb dimensions

Yahoo group: ham-antennas (2014)
Date: 2014-11-29 04:10:44 UTC
From: David Welker
Topic: 34855 Message: 34866

big 16.7 ft on a side and approx. 23.6 ft corner to corner.It's just a dipole folded into a square.Dave

On Friday, November 28, 2014 3:23 PM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Thanks Geoff!
KeithAK6ZZ

Sent from my iPhone please excuse typos
On Nov 28, 2014, at 12:09 PM, "Geoff McAlpin geoff.nm7v@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  I do, at home. I'll email later today with balun and element + spreader info.On Nov 28, 2014 11:17 AM, "Keith Heimbold ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Just a quick question. I was wondering if anyone has references for a 40m cobweb antenna. I was wondering what the dimensions would be. I have been super happy with the 15m monoband cobweb. It was a fun project for sure and it works amazingly well. Thought a 40m version would be fun to build when I am at my inlaws this Christmas holiday.

Thanks,

Keith
AK6ZZ

Sent from my iPhone please excuse typos

34867. Re: Lightning mitigation for window line feeder.

Yahoo group: ham-antennas (2014)
Date: 2014-11-29 15:41:18 UTC
From: ke7zag@...
Topic: 34859 Message: 34867

Hi Curt,

The best and least expensive solution to lightning protection on open feed or window line is a simple spark gap to ground on each conductor. A bleeder resistor can be added between the window line and ground on the spark gap protection device to chase common mode current, but I generally find that unnecessary.

The simplest solution is what we used as kids, spark plugs, only now days we have PVC pipe in which we can seal the spark plugs in to avoid spiders and other insects from bridging the gap and creating signal losses.

I generally create a drip loop a couple feed away from the side of the house and install my spark gap devices there, so any strikes go to the ground rods and do not blow siding away. I did blow the siding off my parents' home when I was a kid back in the 50's, and after many hours of repairs and painting I did the loop and ground away from the house, had many more strikes but no more damage.

Randy

34868. 73 Magazine August 1977 pages 24-27

Yahoo group: ham-antennas (2014)
Date: 2014-11-30 22:09:27 UTC
From: Ray, W4BYG
Topic: 34868 Message: 34868

Looking for a good scan of the above UHF dual rhomboid antenna article
by W8DMR(?). The copy available on archive.org is not very readable and
thus not useful. Anyone have that magazine, that can scan the article
for a construction project?

Your assistance is appreciated.
73,
Ray, W4BYG

--
Ironic:
The food stamp program, part of the Department of Agriculture, is pleased to be
distributing the greatest amount of food stamps ever.
Meanwhile, the Park Service, also part of the Department of Agriculture, asks us to "please
do not feed the animals" because the
animals may grow dependent and not learn to take care of themselves... (Think about that).

34869. Re: 73 Magazine August 1977 pages 24-27

Yahoo group: ham-antennas (2014)
Date: 2014-11-30 22:44:42 UTC
From: farrerfolks@...
Topic: 34868 Message: 34869

Try: Bob Cromwell http://www.cromwell-intl.com/radio/rhombic-antennas.html

http://www.cromwell-intl.com/radio/rhombic-antennas.html

Bob Cromwell http://www.cromwell-intl.com/radio/rhombic-antennas.html Ham radio antennas — some thoughts and design details for rhombic antenna.

View on www.cromwell-intl.com http://www.cromwell-intl.com/radio/rhombic-antennas.html
Preview by Yahoo

Mel,, K6KBE

34870. Response to my query...

Yahoo group: ham-antennas (2014)
Date: 2014-11-30 23:18:13 UTC
From: Ray, W4BYG
Topic: 34870 Message: 34870

I posted my request on the UHF Rhombic in the old 73 mag at 5:09PM. I
got 2 excellent responses, one at 5:44 and the other at 6:05. Thank you
gentlemen. I appreciate your time and interest.

I just love these ham radio email listservers.
73,
Ray, W4BYG

--
Ironic:
The food stamp program, part of the Department of Agriculture, is pleased to be
distributing the greatest amount of food stamps ever.
Meanwhile, the Park Service, also part of the Department of Agriculture, asks us to "please
do not feed the animals" because the
animals may grow dependent and not learn to take care of themselves... (Think about that).

34871. Re: [ham-antennas] Response to my query...

Yahoo group: ham-antennas (2014)
Date: 2014-11-30 23:26:15 UTC
From: John Igoe
Topic: 34870 Message: 34871

Ray: W4BYG:

You statement concerning the Dept of Ag is soooo true.

Thank you for a good laugh...if it wasn't so true.

John Igoe KF5VIK

On Sun, Nov 30, 2014 at 5:18 PM, 'Ray, W4BYG' w4byg@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I posted my request on the UHF Rhombic in the old 73 mag at 5:09PM. I
> got 2 excellent responses, one at 5:44 and the other at 6:05. Thank you
> gentlemen. I appreciate your time and interest.
>
> I just love these ham radio email listservers.
> 73,
> Ray, W4BYG
>
> --
> Ironic:
> The food stamp program, part of the Department of Agriculture, is pleased
> to be distributing the greatest amount of food stamps ever.
> Meanwhile, the Park Service, also part of the Department of Agriculture,
> asks us to "please do not feed the animals" because the
> animals may grow dependent and not learn to take care of themselves...
> (Think about that).
>
>
>

--

* John Igoe*
* AEC: Administration, NE ARES Dist 14*

* KF5VIK ---- Call Sign 832-459-3272 - Cell
jigoe4249@... <jigoe4249@...>*

34872. Re: 73 Magazine August 1977 pages 24-27

Yahoo group: ham-antennas (2014)
Date: 2014-12-01 00:23:35 UTC
From: jara8462@...
Topic: 34868 Message: 34872

Go to this archive and it has almost every issue of 73 mag. Very good copies too.
Https://archive.org and use 73 magazine in search box.
John

34873. File - rules2.txt

Yahoo group: ham-antennas (2014)
Date: 2014-12-01 08:43:23 UTC
From: ham-antennas@yahoogroups.com
Topic: 12267 Message: 34873

OK FOLKS:

Here are the rules of the reflector : HAM-ANTENNAS
This file will be sent once a month automatically to remind all users.

1. Name calling (race, religion, politics, gender, etc.), is prohibited.
2. Telling someone they are ignorant (in any way, shape, or form), is prohibited.
3. Denigrating other races or minorities, or expressing POLITICAL VIEWS will earn you moderation or banning.
4. If you do it privately it is a private dispute. When/if it spills over onto the reflector, you will be moderated or banned.
5. Even coming close to these boundaries is to be avoided.
6. Banning/moderation will be used, with NO notification to the transgressor.
7. Civil chatter and Civil wordage is THE rule.
8. IF the Moderators are offended, then penalties will be applied.
9. There are two Moderators, EITHER can ban/moderate you.
10. Moderators ARE the final arbitrator of disputes, we hate bickering!
11. USE Private or Direct Emails to address your concerns to the Moderators, because public postings may likely result in penalties as above. !!!!
12. Use common sense. If you would be hurt or upset if you received what you are about to send, and you are intentionally meaning to do that, DON'T DO IT!

13. We ALL would like to enjoy discussion about HAM-ANTENNAS, nothing more.

34874. do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-02 02:29:45 UTC
From: tivoligardens@...
Topic: 34874 Message: 34874

Good Evening all

I have purchased 2 MFJ-1979 (16.9' each) telescopic whips for use with my KX3 which has an antenna tuner as a dipole. I can also configure my antenna as a vertical using 1 whip.

Should I build a couple of coils for the lower bands or will I be just as effective with what I have ?

Thank you for your advice in advance
Hal w4hal

34875. Re: [ham-antennas] do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-02 03:24:56 UTC
From: David V Colton
Topic: 34874 Message: 34875

At 16.9 foot long at maximum extension, anything UNDER 30 meters "should" have coil, but the tuner could handle 30 M. But 40 & 60..and for SURE 80 & 160 will need a loading coil. On 160, 16.9 ft, even with the HUGE coil you would need is a waste of time! At the most...only 5% of the power would be radiated into the air. And I am being VERY generous with that estimate. Maybe 20% tops on 80. This is all based on you stating that you will only have 16.9 foot...going up!
There is no escaping the law of effective radiating antenna length on 80 & 160.
Good Luck! (The KX3 IS a fine radio!)
73,
Dave-KJ4PF

-----Original Message-----
From: tivoligardens@... [ham-antennas] <ham-antennas@yahoogroups.com>
To: ham-antennas <ham-antennas@yahoogroups.com>
Sent: Mon, Dec 1, 2014 9:29 pm
Subject: [ham-antennas] do I need a coil ?

Good Evening all

I have purchased 2 MFJ-1979 (16.9' each) telescopic whips for use with my KX3 which has an antenna tuner as a dipole. I can also configure my antenna as a vertical using 1 whip.

Should I build a couple of coils for the lower bands or will I be just as effective with what I have?

Thank you for your advice in advance
Hal w4hal

34876. Re: [ham-antennas] do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-02 15:23:33 UTC
From: tivoligardens@...
Topic: 34874 Message: 34876

David

Thank you for your quick reply. If I do a vertical its 16.9 with a dipole aka 2 whips link a buddypole it double.

Can you point me to plans for making my own multiband coil ?

Hal

34877. Re: [ham-antennas] do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-02 15:34:32 UTC
From: Chuck Schultz
Topic: 34874 Message: 34877

Get you a large coil and a good alligater clip and start sampling each
turn of the coil and watch the results . Log the results for the future
.....Wq5B
On 12/2/2014 9:23 AM, tivoligardens@... [ham-antennas] wrote:
>
> David
>
>
> Thank you for your quick reply. If I do a vertical its 16.9 with a
> dipole aka 2 whips link a buddypole it double.
>
> Can you point me to plans for making my own multiband coil ?
>
> Hal
>

This email is free from viruses and malware because avast! Antivirus protection is active.
http://www.avast.com

34878. Re: [ham-antennas] do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-02 15:50:04 UTC
From: Mike Sullivan
Topic: 34874 Message: 34878

I use the MFJ-1979 on a Tarheel screwdriver antenna.I have it in my yard with a bunch of ground radials.I leave it about 15.8ft for best SWR on 20m.
At its maximum coil setting I can pick up 160m. I need at least 5W from my IC-7000, and have reached around the US and into Canada on JT65-HF. I mostly do digital, and switch antennas to the Tarheel for 80m and 160m when 40m gets too noisy or crowded. Its not the most efficient setup for 160m, but it is fun for grabbing a few contacts.
73Mike k0grc
From: "tivoligardens@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Monday, December 1, 2014 7:29 PM
Subject: [ham-antennas] do I need a coil ?

  Good Evening all
I have purchased 2 MFJ-1979 (16.9' each) telescopic whips for use with my KX3 which has an antenna tuner as a dipole. I can also configure my antenna as a vertical using 1 whip. Should I build a couple of coils for the lower bands or will I be just as effective with what I have ?
Thank you for your advice in advanceHal w4hal

<!--

34879. Re: do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 15:47:45 UTC
From: ke7zag@...
Topic: 34874 Message: 34879

Hi Hal,

You will will find hundreds of plans for building RF coils if you Google the subject. Keep in mind that they are simple and no single design fits all.

The best solution is to score some heavy copper or aluminum, such as the solid wire used as main panel grounds in our homes, and a form (I use 4" PVC pipe), and begin winding. Lighter wire works, but is not so durable in the weather. Build yourself a coil about a foot long tightly wound on the form, once wrapped remove it from the form, then figure on stretching it so there is around a wire's width of space between each wrap as a starting point, and use a jumper and alligator clips to short the coil as you test different frequencies. The electrical length can be adjusted by a combination of stretching the coil to obtain different spacing and through the use of jumpers, and it can be quite an experience finding the sweet spots for your particular application.

One of the issues to remember is that VSWR has no real relationship to your ability to transmit if the electrical length and elevation of your antenna system is inadequate for the bands which you intend to work. I have seen many physically short close ground mounted verticals that obtain low VSWR results, but do not transmit for beans because they violate the laws of physics relative to the bands being sought. So an analyzer gets you in the ballpark, but physics keeps the short antenna from achieving the desired results.

There are many authoritative references on physical length and elevation of antennas relative to ground reflection also available the use of Google. The ARRL Antenna Book is another readily available reference that is handy to keep around too.

Yet, nothing beats experimenting and determining what will work in your situation.

73's
Randy

34880. 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 18:48:39 UTC
From: Deanf
Topic: 34880 Message: 34880

What does it take to use a 102” whip with the 857D mobile. I use the LDG YT-100 tuner.

thanks

73, WY6L

34881. Re: [ham-antennas] 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 18:53:13 UTC
From: Kenneth G. Gordon
Topic: 34880 Message: 34881

On 3 Dec 2014 at 10:48, 'Deanf' deanf@... [ham-antennas] wrote:

> What does it take to use a 102" whip with the 857D mobile. I use the LDG
> YT-100 tuner. thanks 73, WY6L

That depends on which band(s) you intend to use it on...

Ken W7EKB

34882. Re: [ham-antennas] 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 18:58:00 UTC
From: Mel Farrer
Topic: 34880 Message: 34882

Depends on what bands? It is perfect for 10 M as it is, very little matching needed. Coils in series for all lower bands to keep the eff anywhere reasonable. Mobile handbook covers the subject very well.

Mel, K6KBE

From: "'Deanf' deanf@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: Ham Antennas <ham-antennas@yahoogroups.com>
Sent: Wednesday, December 3, 2014 10:48 AM
Subject: [ham-antennas] 102" whip mobile

What does it take to use a 102” whip with the 857D mobile. I use the LDG YT-100 tuner. thanks 73, WY6L <!--

34883. Re: [ham-antennas] 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 19:42:25 UTC
From: Walt Wilson
Topic: 34880 Message: 34883

I am in the process of mounting a 102” stainless steel whip with a manually variable coil beneath it. If the coil manufacturer is to be believed no antenna tuner is required after ‘tuning” the coil for the desired band. The brand “Wolf River Coils” looks to be first class in structure. I will be mounting the antenna in the near future for testing. But the tuner looks to be a good alternative if you change bands often.

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, December 03, 2014 1:58 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] 102" whip mobile

Depends on what bands? It is perfect for 10 M as it is, very little matching needed. Coils in series for all lower bands to keep the eff anywhere reasonable. Mobile handbook covers the subject very well.

Mel, K6KBE

From: "'Deanf' deanf@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: Ham Antennas <ham-antennas@yahoogroups.com>
Sent: Wednesday, December 3, 2014 10:48 AM
Subject: [ham-antennas] 102" whip mobile

What does it take to use a 102” whip with the 857D mobile. I use the LDG YT-100 tuner.

thanks

73, WY6L

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Version: 2015.0.5577 / Virus Database: 4235/8673 - Release Date: 12/03/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8673 - Release Date: 12/03/14

34884. Re: [ham-antennas] 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 20:43:36 UTC
From: Bill Blomgren (kk4qdz)
Topic: 34880 Message: 34884

A friend bought one of those, and a local "cb" shop had some 102" whips...
He mounted it on his camper at the beach and was able to work europe with no problems.
Naturally, it is a bit of a compromize on 80.. but worked well on 40 and up.
 KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!
From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 3, 2014 2:42 PM
Subject: Re: [ham-antennas] 102" whip mobile

#yiv7954895502 #yiv7954895502 -- #yiv7954895502 .yiv7954895502ygrp-photo-title{clear:both;
font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv7954895502
div.yiv7954895502ygrp-photo{background-position:center;background-repeat:no-repeat;backgro
und-color:white;border:1px solid black;height:62px;width:62px;}#yiv7954895502
div.yiv7954895502photo-title a, #yiv7954895502 div.yiv7954895502photo-title a:active,
#yiv7954895502 div.yiv7954895502photo-title a:hover, #yiv7954895502
div.yiv7954895502photo-title a:visited {text-decoration:none;}#yiv7954895502
div.yiv7954895502attach-table div.yiv7954895502attach-row {clear:both;}#yiv7954895502
div.yiv7954895502attach-table div.yiv7954895502attach-row div {float:left;}#yiv7954895502
p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv7954895502
div.yiv7954895502ygrp-file {width:30px;}#yiv7954895502 div.yiv7954895502attach-table
div.yiv7954895502attach-row div div a {text-decoration:none;}#yiv7954895502
div.yiv7954895502attach-table div.yiv7954895502attach-row div div span
{font-weight:normal;}#yiv7954895502 div.yiv7954895502ygrp-file-title
{font-weight:bold;}#yiv7954895502 #yiv7954895502

I am in the process of mounting a 102” stainless steel whip with a manually variable coil beneath it. If the coil manufacturer is to be believed no antenna tuner is required after ‘tuning” the coil for the desired band. The brand “Wolf River Coils” looks to be first class in structure. I will be mounting the antenna in the near future for testing. But the tuner looks to be a good alternative if you change bands often. From: mailto:ham-antennas@yahoogroups.com Sent: Wednesday, December 03, 2014 1:58 PMTo: ham-antennas@yahoogroups.com Subject: Re: [ham-antennas] 102" whip mobile Depends on what bands? It is perfect for 10 M as it is, very little matching needed. Coils in series for all lower bands to keep the eff anywhere reasonable. Mobile handbook covers the subject very well. Mel, K6KBE
 From: "'Deanf' deanf@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: Ham Antennas <ham-antennas@yahoogroups.com>
Sent: Wednesday, December 3, 2014 10:48 AM
Subject: [ham-antennas] 102" whip mobile
  What does it take to use a 102” whip with the 857D mobile. I use the LDG YT-100 tuner. thanks 73, WY6L

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34885. Re: [ham-antennas] 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 21:04:35 UTC
From: Mel Farrer
Topic: 34880 Message: 34885

It is worth a read on the ARRL Mobile Handbook on matching the shortened 102" whip. Either a tuner, like discussed, or a matching coil or cap is required to deliver a reasonable amount of the power to the coil + whip arrangement.
Mel, K6KBE

From: "'Bill Blomgren (kk4qdz)' billblomgren@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Wednesday, December 3, 2014 12:43 PM
Subject: Re: [ham-antennas] 102" whip mobile

A friend bought one of those, and a local "cb" shop had some 102" whips...
He mounted it on his camper at the beach and was able to work europe with no problems.
Naturally, it is a bit of a compromize on 80.. but worked well on 40 and up.
KK4QDZ - Now with Extra Class Priv's, and a tiny KX3 to enjoy them!

From: "'Walt Wilson' WWILSON@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 3, 2014 2:42 PM
Subject: Re: [ham-antennas] 102" whip mobile

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From: "'Deanf' deanf@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: Ham Antennas <ham-antennas@yahoogroups.com>
Sent: Wednesday, December 3, 2014 10:48 AM
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What does it take to use a 102” whip with the 857D mobile. I use the LDG YT-100 tuner. thanks 73, WY6L

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34886. Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-03 22:59:56 UTC
From: Jay
Topic: 34880 Message: 34886

I use a 102" whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8" from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34887. Re: do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 02:16:36 UTC
From: tivoligardens@...
Topic: 34874 Message: 34887

I have wound some fixed length coils but being the lack of knowledge as I am, do I connect both ends of the coil to the top and bottom of the wind or is the bottom connected and the top is connect using a clip to completed the circuit ?

Thanks

34888. RE: [ham-antennas] Re: do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 02:30:28 UTC
From: John Murphy
Topic: 34874 Message: 34888

One does not connect to anything, the other connects to ground. You take a wire with some type of clip and go from the antenna to some point on the coil to match. For example. If you want 20 meters, you would find the resonance point on the coil that matches at 20 meters, and that is where you would place the clip. Say you later wanted to move to 40 meters, you would find the resonance point for 40, then place the clip at that point.

73 de KCØJPO/AFA8JP
John Murphy, B.S. C.J.; B.S. BusMgmt; MBA Marketing

GMRS Licensee WQOW801

PopComm Monitoring Station KPC0JPO
"When all else fails...Amateur Radio"

PIO Adams County (CO) ARES

ARES/RACES/AFMARS Nothwest Area, Region 8

USAF Security Police, 1973-84

Owner, Oil Country Radio’s

701-421-1134

Business Email: <mailto:ocr58763@...> ocr58763@...

Personal Email: <mailto:jmurphy7411@...> jmurphy7411@gmail.com

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, December 03, 2014 7:17 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: do I need a coil ?

I have wound some fixed length coils but being the lack of knowledge as I am, do I connect both ends of the coil to the top and bottom of the wind or is the bottom connected and the top is connect using a clip to completed the circuit ?

Thanks

34889. RE: [ham-antennas] Re: do I need a coil ?

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 02:46:47 UTC
From: tivoligardens@...
Topic: 34874 Message: 34889

John

Thank you for the quick reply

so if I understand correctly if I have lets say for ease of discussion I have a MFJ-342T and a MFJ 1979.

I connect my feed line to the mfj-342t then I connect my coil which has the bottom end of the coil connected to that point. I then attach the antenna to the top of the physical tube of the coil and at that point I connect a wire with a clip. The end of the coil nearest the antenna is trucked in side the tube.

Regards and thank you for your be patient
Hal

34890. Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 07:09:50 UTC
From: archieaa@...
Topic: 34880 Message: 34890

I'm not familiar enough with the gear your using to give you the best advice on how to set it up but, I can tell you what I have tried and what worked. I have an Alinco DX70 mounted in my old Ford E250 van. The radio is mounted up front on the engine cover. I am using an Alinco auto tuner mounted about 3 inches from the feed point of the 102 inch whip. at first I used a 4 inch piece of wire to connect the auto tuner to the feed point but that caused feedback when transmitting. After a little trail and error I found that I needed to use a 4inch piece of RG8 coax with the braid grounded at the feed point and the auto tuner. No big surprise there.

What I found that was a bit of a surprise was that not all metal panels provide a good RF ground even if they are a good DC ground. I had to try a few different places for the ground before It started to work as I expected. The mounting ring for the antenna mount was a good place to start. A field strength meter was a useful tool inside the van to see how effective the grounding was. Poor ground equaled more RF inside the van. Also remember that if the whip can contact any part of the body when moving you need to insulate the antenna so that it doesn't contact the body. I cut a slot in an old tennis ball, slid it on the antenna and used silicone caulk to keep in place at the point where is could hit the body to prevent it shorting while moving.

It works extremely well on 20 through 10 and pretty dang good on 40. I've had people express surprise that I was mobile given the strength of my signal. One of my favorite contacts was in summer of 2013 when I has talking to a pair of mobile stations on 20 meters in the Liverpool area of England. I hope this helps and good DX to you.

34891. question on Paul Carr loop

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 09:59:59 UTC
From: email4utoo@...
Topic: 34891 Message: 34891

wondered, if anyone of you used or know of someone that has a Paul Carr Loop with twin lead half twist joined in middle of square across to two corners then fed in middle of this twin lead Loop for 80 M 54' each leg . A Buddy sent me a short pdf file on it . Please chime in on this , Thanks , AJ W5HEH

34892. Re: [ham-antennas] question on Paul Carr loop

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 16:25:52 UTC
From: David Welker
Topic: 34891 Message: 34892

This not a closed loop it is like two dipoles arranged in a square and the then fed in the center of each side out of phase. I have the original article in my file but don't have the room to erect that much antenna(yet).Dave

On Thursday, December 4, 2014 5:00 AM, "email4utoo@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  wondered, if anyone of you used or know of someone that has a Paul Carr Loop with twin lead half twist joined in middle of square across to two corners then fed in middle of this twin lead Loop for 80 M 54' each leg . A Buddy sent me a short pdf file on it . Please chime in on this , Thanks , AJ W5HEH

<!--

34893. Re: [ham-antennas] question on Paul Carr loop

Yahoo group: ham-antennas (2014)
Date: 2014-12-04 19:54:09 UTC
From: farrerfolks@...
Topic: 34891 Message: 34893

The original article was: N4PC Loop (CQ, Dec. 1990) All of the wires were connected. The pattern produced a null in the vertical plane on the ham bands. 80 M the pattern is omni. multi lobes on higher ones. I have modeled it and had one up in the 90's. Good quiet antenna but required careful matching and a tuner.

Mel, K6KBE

34894. End Fed - 6 to 40 mtr Multi Band Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-06 15:46:30 UTC
From: soona4sail@...
Topic: 34894 Message: 34894

I may have posted this before, but here is a link to a simple, but effective small antenna, courtesy of Hawaii emergency Radio Group. It is simple to build, or can be purchased from the Hawaii group. http://www.earchi.org/92011endfedfiles/Endfed6_40.pdf
http://www.earchi.org/92011endfedfiles/Endfed6_40.pdf

73

34895. Re: End Fed - 6 to 40 mtr Multi Band Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-06 16:11:14 UTC
From: roland_miller2000@...
Topic: 34894 Message: 34895

I built this last year and used it at field day. It works really well. I put a 24 awg insulated wire inside a crappy pole and use ropes with tent stakes to set it up. I can put it up in less then a minute. OBTH at least 20 feet of coax is required to make it all work.

34896. Re: End Fed - 6 to 40 mtr Multi Band Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-06 16:28:31 UTC
From: soona4sail@...
Topic: 34894 Message: 34896

I,m glad it worked well for you. I noticed in the article from the Hawaii group, that the wire can be up to 60 ft or more feet in length. Although the wire length is not terribly critical, there are some websites that discuss ideal, and not so ideal random wire lengths.

This antenna is fun to play and experiment with!!....and that is what it is all about!

73

34897. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-08 16:13:38 UTC
From: Deanf
Topic: 34880 Message: 34897

the antenna feed point on my mount is 6’ not 8”. I can give it a go there though.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, December 03, 2014 2:59 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Re: 102" whip mobile

I use a 102” whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8” from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34898. Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-08 22:16:22 UTC
From: ve7rvs@...
Topic: 34898 Message: 34898

I have a counterpoised 30 ft balcony endfed antenna (live in an apartment) tied to a 9:1 balun with about an 80 ft of coax to an LDG IT-100 tuner connected to my Icom IC-7200. On sunny days my SWR is reasonable manily for the band I cut my counterpoise for, but once my concrete deck and its walls gets wet (too much coupling with my counterpoise?), SWR characteristics change and my tuner is already satisfied with about about 1.5:1. This is probably good enough, but I would prefer a better matching on the radio side, as I operate digital modes (JT and WSPR) with key downs of about a minute or even more.
I am thinking getting a tuner and prefer a Palstar AT-500 but also considering an MFJ-949E due to its much lower cost.
Does anyone have any experience using a 949E for such a compromise antenna and how useful it is for such?
TIA,
Ramon ve7rvs

34899. Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-08 22:50:44 UTC
From: Geoff McAlpin
Topic: 34898 Message: 34899

You could also consider one of the SGC auto-couplers.

On Monday, December 8, 2014, ve7rvs@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I have a counterpoised 30 ft balcony endfed antenna (live in an apartment)
> tied to a 9:1 balun with about an 80 ft of coax to an LDG IT-100 tuner
> connected to my Icom IC-7200. On sunny days my SWR is reasonable manily for
> the band I cut my counterpoise for, but once my concrete deck and its walls
> gets wet (too much coupling with my counterpoise?), SWR characteristics
> change and my tuner is already satisfied with about about 1.5:1. This is
> probably good enough, but I would prefer a better matching on the radio
> side, as I operate digital modes (JT and WSPR) with key downs of about a
> minute or even more.
>
> I am thinking getting a tuner and prefer a Palstar AT-500 but also
> considering an MFJ-949E due to its much lower cost.
>
> Does anyone have any experience using a 949E for such a compromise antenna
> and how useful it is for such?
>
> TIA,
>
> Ramon ve7rvs
>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34901. Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-08 23:45:48 UTC
From: Mel Farrer
Topic: 34898 Message: 34901

Read the reviews of each and the SGC series, before paying good money..... Like one said, look at the auto tuners also, particularly if you are not going to run high power, they are pretty reasonable.

Mel, K6KBE

From: "Geoff McAlpin geoff.nm7v@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Monday, December 8, 2014 2:50 PM
Subject: Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

  You could also consider one of the SGC auto-couplers.

On Monday, December 8, 2014, ve7rvs@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  I have a counterpoised 30 ft balcony endfed antenna (live in an apartment) tied to a 9:1 balun with about an 80 ft of coax to an LDG IT-100 tuner connected to my Icom IC-7200. On sunny days my SWR is reasonable manily for the band I cut my counterpoise for, but once my concrete deck and its walls gets wet (too much coupling with my counterpoise?), SWR characteristics change and my tuner is already satisfied with about about 1.5:1. This is probably good enough, but I would prefer a better matching on the radio side, as I operate digital modes (JT and WSPR) with key downs of about a minute or even more.I am thinking getting a tuner and prefer a Palstar AT-500 but also considering an MFJ-949E due to its much lower cost. Does anyone have any experience using a 949E for such a compromise antenna and how useful it is for such?TIA,Ramon ve7rvs

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34902. RE: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-08 23:49:59 UTC
From: Jay
Topic: 34880 Message: 34902

Sure can, I had my tuner originally mounted at the rig and it did work, just performed a bit better at the antenna feed point. Go with what you can make work. The LDG tuners will tune most anything.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 08, 2014 11:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

the antenna feed point on my mount is 6’ not 8”. I can give it a go there though.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Wednesday, December 03, 2014 2:59 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: 102" whip mobile

I use a 102” whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8” from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34903. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:29:03 UTC
From: Myron WVØH
Topic: 34900 Message: 34903

Hi Joe,

The coax trick yields a characteristic impedance twice that of one coax, so using two 75-Ω pieces gives you 150-Ω, and so on (I think that's right). But, the mismatch loss caused by this coax will reduce the power applied to the antenna, so you will loose the benefit of that balanced coax trick.

I would consider using two pieces of ready-rod or all thread rod to bring the balanced wire inside. Drilling two small holes through the wall of the house are very easily concealed if you leave.

Another thing, characteristic impedance is only a factor after a phase length greater than 10-30 deg phase length. So 6" of ready rod will not even register any impedance at HF because it's so short relative to its wavelength. So the transition through the walls could be made with the two rods an inch or two apart.

Myron WVØH
Printed on Recycled Data

> On Dec 8, 2014, at 4:08 PM, Joe nss@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Now how does that work? whats the impedance? I guess it doesn't matter how far apart they are spaced. but what are the losses like in something like that?

34904. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:31:59 UTC
From: KA4INM radio
Topic: 34900 Message: 34904

On 12/08/14 18:08, Joe nss@... wrote:

> Now I have seen where people use two lengths of coax, grounding the
> braids together, and feeding the center conductors with the open line
> connections until they get outside and then can continue with
> traditional open line.

> Now how does that work? whats the impedance? I guess it doesn't matter
> how far apart they are spaced. but what are the losses like in something
> like that?

Two pieces of RG-59, RG-6 or RG-11 = 150 Ohms
Two pieces of RG-8, RG-8X or RG-8 = 100 Ohms, I would recommend a 9:1
balun outside fed with The same coax currently used.

If the two sections are short, the losses would be unmeasurable.
The higher the impedance the lower the loss.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34905. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:35:13 UTC
From: Matthew King
Topic: 34900 Message: 34905

Not necessarily a suggestion here, but a question - what's the harm in using coax from the transmitter to the outside of the wall then using a 6:1 or 9:1 xmit line transformer (balun) to transition back to the open line feeder?

Does that just not work, does it have high loss therefore isn't desirable, ... ?

Trying to learn a little here as well!

73 y'all

Matt King
KK4CPS

On Mon, Dec 8, 2014 at 7:31 PM, KA4INM radio ka4inm@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> On 12/08/14 18:08, Joe nss@... wrote:
>
> > Now I have seen where people use two lengths of coax, grounding the
> > braids together, and feeding the center conductors with the open line
> > connections until they get outside and then can continue with
> > traditional open line.
>
> > Now how does that work? whats the impedance? I guess it doesn't matter
> > how far apart they are spaced. but what are the losses like in something
> > like that?
>
> Two pieces of RG-59, RG-6 or RG-11 = 150 Ohms
> Two pieces of RG-8, RG-8X or RG-8 = 100 Ohms, I would recommend a 9:1
> balun outside fed with The same coax currently used.
>
> If the two sections are short, the losses would be unmeasurable.
> The higher the impedance the lower the loss.
> --
> Ron KA4INM - Youvan's corollary:
> Every action results in unwanted side effects.
>
>

34906. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:39:37 UTC
From: KA4INM radio
Topic: 34900 Message: 34906

On 12/08/14 18:08, Joe nss@... wrote:

> Now I have seen where people use two lengths of coax, grounding the
> braids together, and feeding the center conductors with the open line
> connections until they get outside and then can continue with
> traditional open line.

We frequently re-glaze a window pane with one plastic (Plexiglas or
Lexan) sheet, then and we drill holes in the new plastic panes and mount
headless bolts with two nuts on each end in each hole. (with washers)
(6-32 or 10-32 bolts & nuts)
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34907. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:40:08 UTC
From: Myron WVØH
Topic: 34900 Message: 34907

Since there isn't a set frequency and loop length, one cannot guarantee 450 Ω resistive at the output of the balun. Baluns like a matched condition to be happy.

Myron WVØH
Printed on Recycled Data

> On Dec 8, 2014, at 5:35 PM, Matthew King mrk.twg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Not necessarily a suggestion here, but a question - what's the harm in using coax from the transmitter to the outside of the wall then using a 6:1 or 9:1 xmit line transformer (balun) to transition back to the open line feeder?
>
> Does that just not work, does it have high loss therefore isn't desirable, ... ?
>
> Trying to learn a little here as well!
>
> 73 y'all
>
> Matt King
> KK4CPS
>
>> On Mon, Dec 8, 2014 at 7:31 PM, KA4INM radio ka4inm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> On 12/08/14 18:08, Joe nss@... wrote:
>>
>> > Now I have seen where people use two lengths of coax, grounding the
>> > braids together, and feeding the center conductors with the open line
>> > connections until they get outside and then can continue with
>> > traditional open line.
>>
>> > Now how does that work? whats the impedance? I guess it doesn't matter
>> > how far apart they are spaced. but what are the losses like in something
>> > like that?
>>
>> Two pieces of RG-59, RG-6 or RG-11 = 150 Ohms
>> Two pieces of RG-8, RG-8X or RG-8 = 100 Ohms, I would recommend a 9:1
>> balun outside fed with The same coax currently used.
>>
>> If the two sections are short, the losses would be unmeasurable.
>> The higher the impedance the lower the loss.
>> --
>> Ron KA4INM - Youvan's corollary:
>> Every action results in unwanted side effects.

>
>

34908. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:48:08 UTC
From: Mel Farrer
Topic: 34900 Message: 34908

Hence the development of the Viking and Nye and other multi-band balanced line tuners. Balance line in and unbalanced out. Worked in the 50's. Hate to re-envent the "wheel".....
Mel, K6KBE

From: "Myron WVØH s9plus@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "ham-antennas@yahoogroups.com" <ham-antennas@yahoogroups.com>
Sent: Monday, December 8, 2014 4:40 PM
Subject: Re: [ham-antennas] Open Line Feeders.

Since there isn't a set frequency and loop length, one cannot guarantee 450 Ω resistive at the output of the balun. Baluns like a matched condition to be happy.

Myron WVØHPrinted on Recycled Data

On Dec 8, 2014, at 5:35 PM, Matthew King mrk.twg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Not necessarily a suggestion here, but a question - what's the harm in using coax from the transmitter to the outside of the wall then using a 6:1 or 9:1 xmit line transformer (balun) to transition back to the open line feeder?
Does that just not work, does it have high loss therefore isn't desirable, ... ?
Trying to learn a little here as well!
73 y'all
Matt KingKK4CPS
On Mon, Dec 8, 2014 at 7:31 PM, KA4INM radio ka4inm@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

On 12/08/14 18:08, Joe nss@... wrote:

> Now I have seen where people use two lengths of coax, grounding the
> braids together, and feeding the center conductors with the open line
> connections until they get outside and then can continue with
> traditional open line.

> Now how does that work? whats the impedance? I guess it doesn't matter
> how far apart they are spaced. but what are the losses like in something
> like that?

Two pieces of RG-59, RG-6 or RG-11 = 150 Ohms
Two pieces of RG-8, RG-8X or RG-8 = 100 Ohms, I would recommend a 9:1 balun outside fed with The same coax currently used.

If the two sections are short, the losses would be unmeasurable.
The higher the impedance the lower the loss.
--
Ron KA4INM - Youvan's corollary:

Every action results in unwanted side effects.

34909. Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:54:07 UTC
From: rhulett1@...
Topic: 34900 Message: 34909

FWIW I feed an 88' doublet using RS 300 twin lead. Originally used that while waiting for some ladder line to arrive, but the twin lead worked so well never changed. The twin lead comes through the wall and attaches to a B1000 balun on the back of the Drake MN-4C tuner. Work all bands 40-10, WAS & DXCC, mostly QRP. I know several other ops using the same arrangement with great results. Worked Finland, Italy, Spain and Morocco with 800mW on 20M during the CQ WW weekend.

So, I would suspect feeding a loop with open line, window line, or twinlead would work well. I'm planning a 40M loop fed with twin lead from a 1:1 current balun mounted about 10' from the tuner on an outside wall. The less coax the better.

I suspect that if you run much more than 100W, delete everything said. Most my radios will put out is about 120W.

GL & 73, Curt KB5JO

34910. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 00:56:40 UTC
From: Kenneth G. Gordon
Topic: 34900 Message: 34910

On 9 Dec 2014 at 0:48, Mel Farrer farrerfolks@... [ham-ant wrote:

> Hence the development of the Viking and Nye

..and home-brew...

> and other multi-band balanced line
> tuners. Balanced line in and unbalanced out. Worked in the 50's. Hate to
> re-envent the "wheel".....

Yup. ;-)

Ken W7EKB

34911. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 01:01:01 UTC
From: Kenneth G. Gordon
Topic: 34900 Message: 34911

As far as I'm concerned, the most efficient HF "all band", city-lot-sized antenna is an inverted-Vee, with the legs as long as possible, and the center as high as possible, fed with open-wire-line from a balanced antenna coupler.

YMMV.

Ken W7EKB

34912. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 01:03:32 UTC
From: Mel Farrer
Topic: 34900 Message: 34912

Ken,I hate it when the cadre don't take time to read the amateur history books.. Open wire antennas and ladder line were the thing we, at least me, started with. Watch the RF amp meter on the ladder line feeds and rock the tuning to get the current equal and match load for max RF amps. It was simple and worked on all band, HF of course. But then, that was on another planet called home.
IMHO
Mel, K6KBE

From: "'Kenneth G. Gordon' kgordon2006@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: "Mel Farrer farrerfolks@... [ham-antennas]" <ham-antennas@yahoogroups.com>
Sent: Monday, December 8, 2014 4:56 PM
Subject: Re: [ham-antennas] Open Line Feeders.

On 9 Dec 2014 at 0:48, Mel Farrer farrerfolks@... [ham-ant wrote:

> Hence the development of the Viking and Nye

..and home-brew...

> and other multi-band balanced line
> tuners. Balanced line in and unbalanced out. Worked in the 50's. Hate to
> re-envent the "wheel".....

Yup. ;-)

Ken W7EKB

34913. Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 01:12:08 UTC
From: soona4sail@...
Topic: 34900 Message: 34913

Been using a loop fed with open wire ladder line for 20 years. Easy on the pocket book, and it is an all band HF DX antenna. ...and here is how you build it!

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm

An

http://www.k5rcd.org/hor%20loop%20instruct.htm

HORIZONTAL LOOP ANTENNA CONSTRUCTION http://www.k5rcd.org/hor%20loop%20instruct.htm
HORIZONTAL LOOP ANTENNA CONSTRUCTION The Horizontal Loop, also known as the Loop Skywire Antenna, is an old but very effective design.

View on www.k5rcd.org http://www.k5rcd.org/hor%20loop%20instruct.htm
Preview by Yahoo

34914. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 01:13:50 UTC
From: enkitec@...
Topic: 34900 Message: 34914

Here is a very easy to build balanced antenna tuner:

http://pa0fri.home.xs4all.nl/ATU/Smatch/smatcheng.htm

I have built one and love it!

Mark Jordan PY3SS

On 08-Dec-14 22:56, 'Kenneth G. Gordon' kgordon2006@...
[ham-antennas] wrote:
> On 9 Dec 2014 at 0:48, Mel Farrer farrerfolks@... [ham-ant wrote:
>
>> Hence the development of the Viking and Nye
> ..and home-brew...
>
>> and other multi-band balanced line
>> tuners. Balanced line in and unbalanced out. Worked in the 50's. Hate to
>> re-envent the "wheel".....
> Yup. ;-)
>
> Ken W7EKB

34915. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 01:38:09 UTC
From: Joe
Topic: 34900 Message: 34915
Attachments: 1 described; binary payloads are missing from this source WARC

Yes that would be the easy thing and no problem. But where the radios are is in the center of the basement, surrounded by ductwork, wiring, etc. typical underground basement. but no near a wall. dead center in the basement.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/8/2014 6:39 PM, KA4INM radio ka4inm@... [ham-antennas] wrote:
> On 12/08/14 18:08, Joe nss@... wrote:
>
>> Now I have seen where people use two lengths of coax, grounding the
>> braids together, and feeding the center conductors with the open line
>> connections until they get outside and then can continue with
>> traditional open line.
> We frequently re-glaze a window pane with one plastic (Plexiglas or
> Lexan) sheet, then and we drill holes in the new plastic panes and mount
> headless bolts with two nuts on each end in each hole. (with washers)
> (6-32 or 10-32 bolts & nuts)

34916. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 03:45:15 UTC
From: KA4INM radio
Topic: 34900 Message: 34916

On 12/08/14 20:38, Joe WB9SBD nss@... wrote:

> Yes that would be the easy thing and no problem. But where the radios
> are is in the center of the basement, surrounded by ductwork, wiring,
> etc. typical underground basement. but no near a wall. dead center in
> the basement.

I would run low loss coax from "the shack" to the window and put the
balun there, and I would use banana plugs and jacks between the balun
(as one set of the inside nuts) and the window so it could be
disconnected from the open wire feedline (and put the balun on a shelf
or a hook) when not in use for lightning protection.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34917. Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 04:23:32 UTC
From: ve7rvs@...
Topic: 34898 Message: 34917

Gentlemen thanks for your advise. I would look at the SGC atu's

Thanks & 73,
Ramon

34918. Re: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 06:05:38 UTC
From: David Welker
Topic: 34900 Message: 34918

Have you considered using a current balun just outside the basement and then run coax to the operating position. That wouldn't be a long run. I saw that idea in the booklet from the Wireman.Dave

On Monday, December 8, 2014 10:45 PM, "KA4INM radio ka4inm@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  On 12/08/14 20:38, Joe WB9SBD nss@... wrote:

> Yes that would be the easy thing and no problem. But where the radios
> are is in the center of the basement, surrounded by ductwork, wiring,
> etc. typical underground basement. but no near a wall. dead center in
> the basement.

I would run low loss coax from "the shack" to the window and put the
balun there, and I would use banana plugs and jacks between the balun
(as one set of the inside nuts) and the window so it could be
disconnected from the open wire feedline (and put the balun on a shelf
or a hook) when not in use for lightning protection.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34919. Re: Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 10:35:59 UTC
From: jc_2aussie
Topic: 34898 Message: 34919

I use a home brew non resonate loop antenna , with home made open wire feeder to a balun at the house , then 5 ft of coax to anMFJ 941D manual tuner .
Inam located on the east coast of Australia , and with an F call lic can only use 10 watts , on 80,40, 15, and 10 mt bands , with this antenna system , Imhave had contacts into Oregon.
Loops do work and they dont have to be expensive, mine is made from reclaimed wire from an extension lead, and the open wire feed from heavey guage speaker wire
Just my experience from down under.

Cheers
Jeff
VK4FNRS

Sent from Samsung tablet

34920. AW: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 12:01:37 UTC
From: siegfried jackstien
Topic: 34900 Message: 34920

Are the ceilings "hollow" (isolated with some air) ... maybe you can route
the ladderline there?!?

Just as another idea

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 9. Dezember 2014 01:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Open Line Feeders.
>
>
>
> Yes that would be the easy thing and no problem. But where the radios are
> is in the center of the basement, surrounded by ductwork, wiring, etc.
> typical underground basement. but no near a wall. dead center in the
> basement.
>
> Joe WB9SBD
>
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com
>
> On 12/8/2014 6:39 PM, KA4INM radio ka4inm@... [ham-antennas] wrote:
>
>
> On 12/08/14 18:08, Joe nss@... wrote:
>
>
> Now I have seen where people use two lengths of coax,
> grounding the
> braids together, and feeding the center conductors with the
> open line
> connections until they get outside and then can continue
with
> traditional open line.
>
>
> We frequently re-glaze a window pane with one plastic (Plexiglas

> or
> Lexan) sheet, then and we drill holes in the new plastic panes and
> mount
> headless bolts with two nuts on each end in each hole. (with
> washers)
> (6-32 or 10-32 bolts & nuts)
>
>
>

34921. AW: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 12:03:32 UTC
From: siegfried jackstien
Topic: 34898 Message: 34921

Look also the cg3000 (seems to be something like an sgc clone) ...

A friend from me uses that tuner on any band from 10-160 ... and he says it works superb

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 9. Dezember 2014 04:24
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony
> Antenna
>
>
>
> Gentlemen thanks for your advise. I would look at the SGC atu's
>
> Thanks & 73,
> Ramon
>
>

34922. Re: AW: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 12:54:00 UTC
From: Joe
Topic: 34900 Message: 34922
Attachments: 1 described; binary payloads are missing from this source WARC

I was down in his shack only once and dont remember really off the top
of my head, will have to take a look and see what I can come up with.

I had in the late 70's something I wonder what in this type of use it
would be like, but I had some shielded 300 ohm TV twin lead. it was
larger that normal 300 ohm twin lead. probably 1 inch wide and 1/2 inch
thick. Inside was a typical 300 ohm line surrounded by a foam
dielectric, in a flattened oval shape this is where the outer foil
shield was so it had an equidistant distance from the twin lead inside.
and it had a wire so you can make the connection to the foil shield. The
system was made so you could run it anywhere just like coax, tape it to
tower legs,, run it through conduit etc.

I wonder if they even make anything like that and what the losses were
like with low SWR and High too?

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/9/2014 6:01 AM, 'siegfried jackstien'
siegfried.jackstien@... [ham-antennas] wrote:
> Are the ceilings "hollow" (isolated with some air) ... maybe you can route
> the ladderline there?!?
>
> Just as another idea
>
> Dg9bfc
>
> Sigi
>
>
>> -----Urspr?ngliche Nachricht-----
>> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
>> Gesendet: Dienstag, 9. Dezember 2014 01:38
>> An: ham-antennas@yahoogroups.com
>> Betreff: Re: [ham-antennas] Open Line Feeders.
>>
>>
>>
>> Yes that would be the easy thing and no problem. But where the radios are
>> is in the center of the basement, surrounded by ductwork, wiring, etc.
>> typical underground basement. but no near a wall. dead center in the

>> basement.
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>> Joe WB9SBD
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>> On 12/8/2014 6:39 PM, KA4INM radio ka4inm@... [ham-antennas] wrote:
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>> On 12/08/14 18:08, Joe nss@... wrote:
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>> Now I have seen where people use two lengths of coax,
>> grounding the
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>> open line
>> connections until they get outside and then can continue
> with
>> traditional open line.
>>
>>
>> We frequently re-glaze a window pane with one plastic (Plexiglas
>> or
>> Lexan) sheet, then and we drill holes in the new plastic panes and
>> mount
>> headless bolts with two nuts on each end in each hole. (with
>> washers)
>> (6-32 or 10-32 bolts & nuts)
>>
>>
>>
>
>
> ---
> Posted by: "siegfried jackstien" <siegfried.jackstien@...>
> ---
>
> HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
> Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
> Post message: ham-antennas@yahoogroups.com
> Subscribe: ham-antennas-subscribe@yahoogroups.com
> Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
> List owner: ham-antennas-owner@yahoogroups.com
> ---

>
> Yahoo Groups Links
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34923. Re: AW: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 13:52:38 UTC
From: Myron WVØH
Topic: 34900 Message: 34923

And you don't have to keep a lot of distance away from metal. 5 or 6 inches away is enough from window line is all that is necessary.

Myron WVØH
Printed on Recycled Data

> On Dec 9, 2014, at 5:01 AM, 'siegfried jackstien' siegfried.jackstien@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Are the ceilings "hollow" (isolated with some air) ... maybe you can route
> the ladderline there?!?
>
> Just as another idea
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Dienstag, 9. Dezember 2014 01:38
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Open Line Feeders.
> >
> >
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> > Yes that would be the easy thing and no problem. But where the radios are
> > is in the center of the basement, surrounded by ductwork, wiring, etc.
> > typical underground basement. but no near a wall. dead center in the
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> > Joe WB9SBD
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> >
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> > Idle Tyme
> > Idle-Tyme.com
> > http://www.idle-tyme.com
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> > On 12/8/2014 6:39 PM, KA4INM radio ka4inm@... [ham-antennas] wrote:
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> > On 12/08/14 18:08, Joe nss@... wrote:
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> > Now I have seen where people use two lengths of coax,
> > grounding the
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> > open line
> > connections until they get outside and then can continue
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> > We frequently re-glaze a window pane with one plastic (Plexiglas
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> > headless bolts with two nuts on each end in each hole. (with
> > washers)
> > (6-32 or 10-32 bolts & nuts)
> >
> >
> >
>
>

34924. Re: AW: [ham-antennas] Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 14:04:39 UTC
From: Myron WVØH
Topic: 34900 Message: 34924

Joe,

I haven't seen shielded twin lead but from an engineering stand point, there wouldn't be much difference between this or using two coax balanced line since you are confining the EM fields to a dielectric. The dielectric loss is a first order effect when you confine the fields, it is a second order effect with ladder line or window line because the fields are mainly in air, a much lower loss medium than foam or other such dielectric.

So consequently when the fields are confined to a dielectric other than air the loss goes up and the mismatch loss will rise when a mismatched condition is seen. But again, if you run a loop on one band and tune the loop for a single frequency and match the feed point impedance with the characteristic impedance of the transmission line you will experience the least loss. It's when you deviate from that condition by moving to another band and cause the feed point impedance to change is when the mismatched condition will exist and the mismatch loss will exist on the line confined by a shield, either coax or balanced.

Myron WVØH
Printed on Recycled Data

> On Dec 9, 2014, at 5:54 AM, Joe nss@... [ham-antennas] <ham-antennas@...m> wrote:
>
> I wonder if they even make anything like that and what the losses were like with low SWR and High too?

34925. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 15:38:22 UTC
From: Deanf
Topic: 34880 Message: 34925

Yah the tuner I have has to be within one foot of the radio so unless I mount them on the door of my Vue’s hatch It can’t be close to it. I don’t think my spouse will let me do that as it’s the family car. The side of the car is plastic so no joy mounting an antenna there. Now when we look at cars we make sure that a radio will mount in it.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, December 08, 2014 3:49 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 102" whip mobile

Sure can, I had my tuner originally mounted at the rig and it did work, just performed a bit better at the antenna feed point. Go with what you can make work. The LDG tuners will tune most anything.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 08, 2014 11:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

the antenna feed point on my mount is 6’ not 8”. I can give it a go there though.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Wednesday, December 03, 2014 2:59 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: 102" whip mobile

I use a 102” whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8” from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34926. AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 15:51:51 UTC
From: siegfried jackstien
Topic: 34880 Message: 34926

Do you have a spare tire mounting at the backside of the car (seen on suv and such)

What about roof mount?? Some ski holders and you have a nice basement for antenna(s)

What car??? (I will take a look on it and see what could be done)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 9. Dezember 2014 15:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> Yah the tuner I have has to be within one foot of the radio so unless I
> mount them on the door of my Vue□s hatch It can□t be close to it. I don□t
> think my spouse will let me do that as it□s the family car. The side of
> the car is plastic so no joy mounting an antenna there. Now when we look
> at cars we make sure that a radio will mount in it.
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Monday, December 08, 2014 3:49 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: 102" whip mobile
>
>
>
> Sure can, I had my tuner originally mounted at the rig and it did work,
> just performed a bit better at the antenna feed point. Go with what you
> can make work. The LDG tuners will tune most anything.
>
> Jay N1FDX
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Monday, December 08, 2014 11:14 AM
> To: ham-antennas@yahoogroups.com

> Subject: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> the antenna feed point on my mount is 6☐ not 8☐. I can give it a go
> there though.
>
> 73, WY6L
>
> From: mailto:ham-antennas@yahoogroups.com
>
> Sent: Wednesday, December 03, 2014 2:59 PM
>
> To: ham-antennas@yahoogroups.com
>
> Subject: [ham-antennas] Re: 102" whip mobile
>
>
>
> I use a 102☐ whip mounted on the rear of the car with an Icom 706 and an
> LDG tuner mounted about 8☐ from the antenna feed point on the inside of
> the trunk lid. Works great on 10 thru 40, work into Europe regularly and
> have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but
> for local stuff.
>
> Jay N1FDX
>
>

34927. Re: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 19:36:23 UTC
From: Deanf
Topic: 34880 Message: 34927

Thanks Sigi,

I have a 2005 Saturn Vue. Its not the Redline and I have a receiver hitch on it. The K-400-3/8C mount is about 3” under the glass on the hatch. I never did get the roof mounts and Saturn’s are no longer in production.

Tomorrow I can look at the car but getting around is a problem for awhile.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, December 09, 2014 7:51 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: 102" whip mobile

Do you have a spare tire mounting at the backside of the car (seen on suv and such)

What about roof mount?? Some ski holders and you have a nice basement for antenna(s)

What car??? (I will take a look on it and see what could be done)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Dienstag, 9. Dezember 2014 15:38
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> Yah the tuner I have has to be within one foot of the radio so unless I
> mount them on the door of my Vue□s hatch It can□t be close to it. I don□t
> think my spouse will let me do that as it□s the family car. The side of
> the car is plastic so no joy mounting an antenna there. Now when we look
> at cars we make sure that a radio will mount in it.
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Monday, December 08, 2014 3:49 PM
> To: ham-antennas@yahoogroups.com

> Subject: RE: [ham-antennas] Re: 102" whip mobile
>
>
>
> Sure can, I had my tuner originally mounted at the rig and it did work,
> just performed a bit better at the antenna feed point. Go with what you
> can make work. The LDG tuners will tune most anything.
>
> Jay N1FDX
>
> From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Sent: Monday, December 08, 2014 11:14 AM
> To: ham-antennas@yahoogroups.com
> Subject: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> the antenna feed point on my mount is 6☐ not 8☐. I can give it a go
> there though.
>
> 73, WY6L
>
> From: mailto:ham-antennas@yahoogroups.com
>
> Sent: Wednesday, December 03, 2014 2:59 PM
>
> To: ham-antennas@yahoogroups.com
>
> Subject: [ham-antennas] Re: 102" whip mobile
>
>
>
> I use a 102☐ whip mounted on the rear of the car with an Icom 706 and an
> LDG tuner mounted about 8☐ from the antenna feed point on the inside of
> the trunk lid. Works great on 10 thru 40, work into Europe regularly and
> have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but
> for local stuff.
>
> Jay N1FDX
>
>

34928. Re: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-09 20:47:40 UTC
From: farrerfolks@...
Topic: 34880 Message: 34928

Dean,

Does the frame undercarriage have a round or square cross tube for the trailer receiver? I have made/welded up several that required a double offset to clear the fender skirt. I then made a right angle vertical column to a height the ham wanted welded a 3/8" plate with a drilled and tapped 3/8-24 thread for the insulating mount. Got pictures if you have the open ended cross member.....

Mel, K6KBE

34929. RE: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 03:03:13 UTC
From: Jay
Topic: 34880 Message: 34929

It does take a bit of planning and work. Mine is in a Ford Fusion (company car), I can drill holes and mount stuff within reason. I have the control cable extended and the tuner is mounted on the inside of the trunk lid. My antenna mount is home brew which fits behind the license plate, the tuner is right on the other side.

Before this idea I did have the tuner mounted with the main part of the 706 under the seat and it did work OK. If that’s what you can do, go for it. You’ll make contacts.

You must select a car that is radio friendly, Hi Hi

73 Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, December 09, 2014 10:38 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

Yah the tuner I have has to be within one foot of the radio so unless I mount them on the door of my Vue’s hatch It can’t be close to it. I don’t think my spouse will let me do that as it’s the family car. The side of the car is plastic so no joy mounting an antenna there. Now when we look at cars we make sure that a radio will mount in it.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, December 08, 2014 3:49 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Re: 102" whip mobile

Sure can, I had my tuner originally mounted at the rig and it did work, just performed a bit better at the antenna feed point. Go with what you can make work. The LDG tuners will tune most anything.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 08, 2014 11:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

the antenna feed point on my mount is 6’ not 8”. I can give it a go there though.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Wednesday, December 03, 2014 2:59 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: 102" whip mobile

I use a 102” whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8” from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34930. Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 15:06:14 UTC
From: doug.haft@...
Topic: 34900 Message: 34930

I use a 400 foot horizontal loop up about 40 feet and fed with 450 ohm ladder line. From the feed point, the ladder line goes to a 4:1 current balun. Out of the balun there's about 6 feet of RG213 to a remote auto tuner. Then about 100 feet of RG213 from the auto tuner to the shack. The remote tuner and balun are strapped to one of the trees which support the loop. Bringing the ladder line all the way to the shack was not an option for me. This solution adds to the cost of the antenna, but its still very inexpensive especially given the versatility it provides. Also, feeline loss is minimized as the tuner is located out at the antenna. Once the tuner finds a match, that 100 foot run of coax sees 50 ohms present at each end.

73, KY4F

34931. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 16:20:04 UTC
From: Deanf
Topic: 34880 Message: 34931

I don’t know as I can no longer get on the ground and get up again., but the receiver hitch’s opening is under the back of the vehicle. I’m pretty much stuck with what I have. I’m trying to get by with what I have. Most of my radio money went to pay for my 2 days in ICU.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Tuesday, December 09, 2014 12:47 PM
To: ham-antennas@yahoogroups.com
Subject: Re: AW: [ham-antennas] Re: 102" whip mobile

Dean,

Does the frame undercarriage have a round or square cross tube for the trailer receiver? I have made/welded up several that required a double offset to clear the fender skirt. I then made a right angle vertical column to a height the ham wanted welded a 3/8" plate with a drilled and tapped 3/8-24 thread for the insulating mount. Got pictures if you have the open ended cross member.....

Mel, K6KBE

34932. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 16:23:52 UTC
From: Deanf
Topic: 34880 Message: 34932

Now that is funny. When I bought my vehicle I was only a tech and no thoughts of ever becoming a general let alone an extra. The radio was the last thing on my mind. Today it’s a much different story. One of the criteria for a new car is will it fit a radio.

73, WY6L

You must select a car that is radio friendly, Hi Hi

73 Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Tuesday, December 09, 2014 10:38 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

Yah the tuner I have has to be within one foot of the radio so unless I mount them on the door of my Vue’s hatch It can’t be close to it. I don’t think my spouse will let me do that as it’s the family car. The side of the car is plastic so no joy mounting an antenna there. Now when we look at cars we make sure that a radio will mount in it.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Monday, December 08, 2014 3:49 PM

To: ham-antennas@yahoogroups.com

Subject: RE: [ham-antennas] Re: 102" whip mobile

Sure can, I had my tuner originally mounted at the rig and it did work, just performed a bit better at the antenna feed point. Go with what you can make work. The LDG tuners will tune most anything.

Jay N1FDX

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 08, 2014 11:14 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

the antenna feed point on my mount is 6’ not 8”. I can give it a go there though.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Wednesday, December 03, 2014 2:59 PM

To: ham-antennas@yahoogroups.com

Subject: [ham-antennas] Re: 102" whip mobile

I use a 102” whip mounted on the rear of the car with an Icom 706 and an LDG tuner mounted about 8” from the antenna feed point on the inside of the trunk lid. Works great on 10 thru 40, work into Europe regularly and have work New Zealand on 15m with 100 watts from E.MA. 80 does tune ok but for local stuff.

Jay N1FDX

34933. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 18:03:25 UTC
From: Mel Farrer
Topic: 34880 Message: 34933

I understand. Anyway if you ever get someone to take a picture of the cross member, I can tell you is a mount could be made. No charge.
Mel, K6KBE

From: "'Deanf' deanf@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 10, 2014 8:20 AM
Subject: Re: [ham-antennas] Re: 102" whip mobile

I don’t know as I can no longer get on the ground and get up again., but the receiver hitch’s opening is under the back of the vehicle. I’m pretty much stuck with what I have. I’m trying to get by with what I have. Most of my radio money went to pay for my 2 days in ICU. 73, WY6L

From: mailto:ham-antennas@yahoogroups.com Sent: Tuesday, December 09, 2014 12:47 PMTo: ham-antennas@yahoogroups.com Subject: Re: AW: [ham-antennas] Re: 102" whip mobile Dean,

Does the frame undercarriage have a round or square cross tube for the trailer receiver? I have made/welded up several that required a double offset to clear the fender skirt. I then made a right angle vertical column to a height the ham wanted welded a 3/8" plate with a drilled and tapped 3/8-24 thread for the insulating mount. Got pictures if you have the open ended cross member.....

Mel, K6KBE

34934. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 18:51:32 UTC
From: farrerfolks@...
Topic: 34880 Message: 34934

Dean,

I found a video clip on the trailer hitch and cross member. It is not open so no help there. Sorry.

Mel, K6KBE

34935. RE: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 23:21:52 UTC
From: Dave
Topic: 34880 Message: 34935

Hi Dean – I built a hinged base that fit into a receiver hitch for a friend of mine – He needed it so he could hinge it down to open the back door of a big Ford SUV – I think I have photos of it if you can use them for your application – He mounted a large screwdriver antenna on it – Otherwise, Merry Christmas & 73 - Dave / WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@...m]
Sent: Wednesday, December 10, 2014 10:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

I don’t know as I can no longer get on the ground and get up again., but the receiver hitch’s opening is under the back of the vehicle. I’m pretty much stuck with what I have. I’m trying to get by with what I have. Most of my radio money went to pay for my 2 days in ICU.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, December 09, 2014 12:47 PM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Re: 102" whip mobile

Dean,

Does the frame undercarriage have a round or square cross tube for the trailer receiver? I have made/welded up several that required a double offset to clear the fender skirt. I then made a right angle vertical column to a height the ham wanted welded a 3/8" plate with a drilled and tapped 3/8-24 thread for the insulating mount. Got pictures if you have the open ended cross member.....

Mel, K6KBE

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14

34936. Re: [ham-antennas] Antenna Tuner for a Random Wire Balcony Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-10 23:37:26 UTC
From: m6mrp@...
Topic: 34898 Message: 34936

I have the manual MFJ945E and have used it on random wires, end fed verticals, multiband dipoles and now on a coaxial screen halo type loft loop on coax feed with a toroid 1:1 choke and its always been great for me, just remember to tune with the power down low and increase once a good match has been achieved which it always will be as its so versatile for the low price, although if your going to be using power levels 100w and under there are some great little auto tuners out there for the same price.
good luck with your choice.
73
Phil M6MRP

34937. RE: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 00:59:31 UTC
From: james.raysr@...
Topic: 34937 Message: 34937

I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I turned it 90 degrees and drilled a new pin hole. Removed the structure for the two bikes an welded a piece of 1/4" steel on the end. Cut it to a 4" circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt couplings and short bolts. The ball is at the rear drivers corner topped by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
73 de
--
James Ray, Sr.
PO Box 6360
Glendale, AZ 85312-6360
KF7SLM@gmail.com

34938. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 01:09:17 UTC
From: Rob
Topic: 34937 Message: 34938

James,

Sounds awesome. Can you post a pic?

John
wa3jrs

> On Dec 10, 2014, at 7:59 PM, "james.raysr@... [ham-antennas]"
<ham-antennas@yahoogroups.com> wrote:
>
> I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I turned it 90 degrees and drilled a new pin hole. Removed the structure for the two bikes an welded a piece of 1/4" steel on the end. Cut it to a 4" circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt couplings and short bolts. The ball is at the rear drivers corner topped by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> 73 de
> --
> James Ray, Sr.
> PO Box 6360
> Glendale, AZ 85312-6360
> KF7SLM@...
>
>

34939. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 01:16:23 UTC
From: Walt Wilson
Topic: 34937 Message: 34939

Do you James, or anyone else, use a spring at the base of your whip assembly? I have just purchased a Kenwood 480 HX mobile and have a whip with a large Adjustable coil and a ball mount for my old pick up truck, all new. This is a 102” whip. Just considering whether the spring would be a help or not.
Walt

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, December 10, 2014 7:59 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 102" whip mobile

I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I turned it 90 degrees and drilled a new pin hole. Removed the structure for the two bikes an welded a piece of 1/4" steel on the end. Cut it to a 4" circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt couplings and short bolts. The ball is at the rear drivers corner topped by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
73 de
--
James Ray, Sr.
PO Box 6360
Glendale, AZ 85312-6360
KF7SLM@...

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14

34940. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 01:35:12 UTC
From: james.raysr@...
Topic: 34940 Message: 34940

I will try to get a shot in the morning. It has been back there since 5/12. Can always see it in the rear view mirror. The three corner mount get a lot of attention. In addition there is a 2 / 440 antenna on the roof rack.
When ask about the antennas, I explain the three corner one is to contact the "mother ship" & the other one for local contacts. 8O)= I actually end up handing out a number of my ham cards to people interested in being a ham. One guy spotted me parked at Sam's Club, then later at a post office 10 miles away. He ask about becoming a ham.
BTW, the quick couplers allow removing the mast and loading coils when parked in a questionable area.
73 de
James Ray, Sr.
PO Box 6360
Glendale, AZ 85312-6360
KF7SLM@gmail.com

34941. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 01:35:11 UTC
From: james.raysr@...
Topic: 34940 Message: 34941

I will try to get a shot in the morning. It has been back there since 5/12. Can always see it in the rear view mirror. The three corner mount get a lot of attention. In addition there is a 2 / 440 antenna on the roof rack.
When ask about the antennas, I explain the three corner one is to contact the "mother ship" & the other one for local contacts. 8O)= I actually end up handing out a number of my ham cards to people interested in being a ham. One guy spotted me parked at Sam's Club, then later at a post office 10 miles away. He ask about becoming a ham.
BTW, the quick couplers allow removing the mast and loading coils when parked in a questionable area.
73 de
James Ray, Sr.
PO Box 6360
Glendale, AZ 85312-6360
KF7SLM@gmail.com

34942. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 01:40:03 UTC
From: Alex
Topic: 34880 Message: 34942

The spring is for the antenna to wobble around when it hits something. If you look, it has a braided jumper inside to keep the spring from becoming part of the circuit. A coil is a good idea at the bottom to allow for resonating the whip.

BTW, those 102" whips are tuned for the middle of the 11 meter band (CB), and when I was a young man they were called "Redneck Whips" because they were used by country boys trying to "get out".

73 de W5ALX

34943. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 02:29:03 UTC
From: james.raysr@...
Topic: 34940 Message: 34943

I only use a 1" x 4" spring at the top under the coupler and the loading coils. The mass of the mast and loading coils offer a lot of torque at the ball. The mast is close to roof height and the small spring has protected the coils so far. I wouldn't leave the 40 coil up there waving around.
73
--
Sent from myMail app for Android

[Non-text portions of this message have been removed]

34944. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 02:39:54 UTC
From: james.raysr@...
Topic: 34940 Message: 34944

Looks like the 4 pictures were stripped off? Will try to see how to upload them.
73 de
--
James Ray, Sr.
PO Box 6360
Glendale, AZ 85312-6360
KF7SLM@gmail.com

34945. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 02:56:10 UTC
From: Geoff McAlpin
Topic: 34940 Message: 34945

You'll have to upload them via the Yahoo group page to the files section.
On Dec 10, 2014 6:42 PM, "james.raysr@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Looks like the 4 pictures were stripped off? Will try to see how to upload
> them.
> 73 de
> --
> James Ray, Sr.
> PO Box 6360
> Glendale, AZ 85312-6360
> KF7SLM@...
>
>

34946. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 04:07:54 UTC
From: james.raysr@...
Topic: 34940 Message: 34946

I am being a bit dense. Something to do with age I suspect. I don't see anything as to how to post pictures on the Yahoo group site. I see conservations, photos, polls, links, & about. No files section?
73 de Jim

34947. Re: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 05:47:59 UTC
From: Deanf
Topic: 34880 Message: 34947

Thanks fellas for talking about mounting the antenna differently but I'm not looking to spend anymore $$ on the project. I have a nice K400-3/8" mount and the antenna will work with it nicely. The wife told me where she wants me to place the tuner at and the radio. It should work just fine. It will be awhile before I get it moved to the new location as I have to shed the walker first.

Thanks for all the replies they were helpful.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Wednesday, December 10, 2014 3:21 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Re: 102" whip mobile

Hi Dean – I built a hinged base that fit into a receiver hitch for a friend of mine – He needed it so he could hinge it down to open the back door of a big Ford SUV – I think I have photos of it if you can use them for your application – He mounted a large screwdriver antenna on it – Otherwise, Merry Christmas & 73 - Dave / WØDR

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Wednesday, December 10, 2014 10:20 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: 102" whip mobile

I don't know as I can no longer get on the ground and get up again., but the receiver hitch's opening is under the back of the vehicle. I'm pretty much stuck with what I have. I'm trying to get by with what I have. Most of my radio money went to pay for my 2 days in ICU.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com

Sent: Tuesday, December 09, 2014 12:47 PM

To: ham-antennas@yahoogroups.com

Subject: Re: AW: [ham-antennas] Re: 102" whip mobile

Dean,

Does the frame undercarriage have a round or square cross tube for the trailer receiver? I have made/welded up several that required a double offset to clear the fender skirt. I then made a right angle vertical column to a height the ham wanted welded a 3/8" plate with a drilled and tapped 3/8-24 thread for the insulating mount. Got pictures if you have the open ended cross member.....

Mel, K6KBE

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14

34948. AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 09:55:11 UTC
From: siegfried jackstien
Topic: 34937 Message: 34948

Years ago in my mobile setup i used a "mil-whip" (copperclad steel tubing)
... and on every "humvee" or tank you find a heavy spring at the base

I also mounted my whip with that spring ... and it helped A LOT!!

You could bend the antenna completely over and nothing happens to the whip

So ... yes such a spring helps (for robustness)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 11. Dezember 2014 01:16
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> Do you James, or anyone else, use a spring at the base of your whip
> assembly? I have just purchased a Kenwood 480 HX mobile and have a whip
> with a large Adjustable coil and a ball mount for my old pick up truck,
> all new. This is a 102□ whip. Just considering whether the spring would be
> a help or not.
> Walt
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Wednesday, December 10, 2014 7:59 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: 102" whip mobile
>
>
>
> I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I
> turned it 90 degrees and drilled a new pin hole. Removed the structure for
> the two bikes an welded a piece of 1/4" steel on the end. Cut it to a 4"
> circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black
> plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt
> couplings and short bolts. The ball is at the rear drivers corner topped
> by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I
> have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd
> 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of
> the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> 73 de

> --
> James Ray, Sr.
> PO Box 6360
> Glendale, AZ 85312-6360
> KF7SLM@gmail.com
>
> No virus found in this message.
> Checked by AVG - www.avg.com
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>
>

34949. Re: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 11:04:53 UTC
From: Walt Wilson
Topic: 34937 Message: 34949

Thank you and Merry Christmas

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, December 11, 2014 4:55 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: 102" whip mobile

Years ago in my mobile setup i used a "mil-whip" (copperclad steel tubing)
.. and on every "humvee" or tank you find a heavy spring at the base

I also mounted my whip with that spring ... and it helped A LOT!!

You could bend the antenna completely over and nothing happens to the whip

So ... yes such a spring helps (for robustness)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 11. Dezember 2014 01:16
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> Do you James, or anyone else, use a spring at the base of your whip
> assembly? I have just purchased a Kenwood 480 HX mobile and have a whip
> with a large Adjustable coil and a ball mount for my old pick up truck,
> all new. This is a 102□ whip. Just considering whether the spring would be
> a help or not.
> Walt
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Wednesday, December 10, 2014 7:59 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: 102" whip mobile
>
>
>
> I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I
> turned it 90 degrees and drilled a new pin hole. Removed the structure for
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> circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black

> plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt
> couplings and short bolts. The ball is at the rear drivers corner topped
> by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I
> have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd
> 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of
> the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> 73 de
> --
> James Ray, Sr.
> PO Box 6360
> Glendale, AZ 85312-6360
> KF7SLM@...
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14
>
>

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Version: 2015.0.5577 / Virus Database: 4235/8715 - Release Date: 12/11/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4235/8715 - Release Date: 12/11/14

34950. AW: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-11 11:28:44 UTC
From: siegfried jackstien
Topic: 34937 Message: 34950

Youre welcome ... and merry xmas also to you (and all other roup members)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 11. Dezember 2014 11:05
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: 102" whip mobile
>
>
>
> Thank you and Merry Christmas
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, December 11, 2014 4:55 AM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] Re: 102" whip mobile
>
>
>
> Years ago in my mobile setup i used a "mil-whip" (copperclad steel tubing)
> ... and on every "humvee" or tank you find a heavy spring at the base
>
> I also mounted my whip with that spring ... and it helped A LOT!!
>
> You could bend the antenna completely over and nothing happens to the whip
>
> So ... yes such a spring helps (for robustness)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 11. Dezember 2014 01:16
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Re: 102" whip mobile
> >
> >
> >
> > Do you James, or anyone else, use a spring at the base of your whip

> > assembly? I have just purchased a Kenwood 480 HX mobile and have a whip
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> be
> > a help or not.
> > Walt
> >
> > From: mailto:ham-antennas@yahoogroups.com
> > Sent: Wednesday, December 10, 2014 7:59 PM
> > To: ham-antennas@yahoogroups.com
> > Subject: RE: [ham-antennas] Re: 102" whip mobile
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> > I took a short cut for my HF antennas. Using a Harbor Freight bike rack,
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> > plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt
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> > 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way
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> > the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> > 73 de
> > --
> > James Ray, Sr.
> > PO Box 6360
> > Glendale, AZ 85312-6360
> > KF7SLM@gmail.com
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date:
> 12/10/14
> >
> > No virus found in this message.
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> > Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date:
> 12/10/14
> >
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>
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> Version: 2015.0.5577 / Virus Database: 4235/8715 - Release Date: 12/11/14
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> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4235/8715 - Release Date: 12/11/14
>
>

34951. Re: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 04:05:42 UTC
From: Deanf
Topic: 34937 Message: 34951

Does it make a difference if its steel or stainless steel??

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Thursday, December 11, 2014 1:55 AM
To: ham-antennas@yahoogroups.com
Subject: AW: [ham-antennas] Re: 102" whip mobile

Years ago in my mobile setup i used a "mil-whip" (copperclad steel tubing)
... and on every "humvee" or tank you find a heavy spring at the base

I also mounted my whip with that spring ... and it helped A LOT!!

You could bend the antenna completely over and nothing happens to the whip

So ... yes such a spring helps (for robustness)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Donnerstag, 11. Dezember 2014 01:16
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: 102" whip mobile
>
>
>
> Do you James, or anyone else, use a spring at the base of your whip
> assembly? I have just purchased a Kenwood 480 HX mobile and have a whip
> with a large Adjustable coil and a ball mount for my old pick up truck,
> all new. This is a 102□ whip. Just considering whether the spring would be
> a help or not.
> Walt
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Wednesday, December 10, 2014 7:59 PM
> To: ham-antennas@yahoogroups.com
> Subject: RE: [ham-antennas] Re: 102" whip mobile
>
>
>
> I took a short cut for my HF antennas. Using a Harbor Freight bike rack, I
> turned it 90 degrees and drilled a new pin hole. Removed the structure for
> the two bikes an welded a piece of 1/4" steel on the end. Cut it to a 4"

> circle, drilled it for a ball mount and enclosed the bottom wt. a 4" black
> plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt
> couplings and short bolts. The ball is at the rear drivers corner topped
> by a 3/8" quick coupling. 54" Hustler mast and an other quick coupling. I
> have a Hustler 3 corner mount wt. a 10, 15 & 20 meter loading coils. A 2nd
> 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way of
> the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> 73 de
> --
> James Ray, Sr.
> PO Box 6360
> Glendale, AZ 85312-6360
> KF7SLM@...
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14
>
> No virus found in this message.
> Checked by AVG - www.avg.com
> Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date: 12/10/14
>
>

34952. Re: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 04:39:31 UTC
From: KA4INM radio
Topic: 34937 Message: 34952

On 12/11/14 23:05, 'Deanf' WY6L deanf@...:

> Does it make a difference if its steel or stainless steel??

Yes, the regular steel will rust faster than the stainless steel.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34953. AW: AW: [ham-antennas] Re: 102" whip mobile

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 10:24:18 UTC
From: siegfried jackstien
Topic: 34937 Message: 34953

Normal steel will rust ... but the mil whips are copperclad with additional painting on top to prevent the tubes from rusting

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 12. Dezember 2014 04:06
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Re: 102" whip mobile
>
>
>
> Does it make a difference if its steel or stainless steel??
>
> 73, WY6L
>
>
> From: mailto:ham-antennas@yahoogroups.com
> Sent: Thursday, December 11, 2014 1:55 AM
> To: ham-antennas@yahoogroups.com
> Subject: AW: [ham-antennas] Re: 102" whip mobile
>
>
>
> Years ago in my mobile setup i used a "mil-whip" (copperclad steel tubing)
> ... and on every "humvee" or tank you find a heavy spring at the base
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> I also mounted my whip with that spring ... and it helped A LOT!!
>
> You could bend the antenna completely over and nothing happens to the whip
>
> So ... yes such a spring helps (for robustness)
>
> Dg9bfc
>
> Sigi
>
> > -----Ursprüngliche Nachricht-----
> > Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> > Gesendet: Donnerstag, 11. Dezember 2014 01:16
> > An: ham-antennas@yahoogroups.com
> > Betreff: Re: [ham-antennas] Re: 102" whip mobile

> >
> >
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> > Do you James, or anyone else, use a spring at the base of your whip
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> > plastic sewer cap. The cap is held on by the 3 ball mount bolts, bolt
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> I
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> > 3 corner mount has 12, 17 & 40 meter coils. It is always out of the way
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> > the hatch. (2012 GMC Terrain) Easy to remove for the utility trailer.
> > 73 de
> > --
> > James Ray, Sr.
> > PO Box 6360
> > Glendale, AZ 85312-6360
> > KF7SLM@...
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date:
> 12/10/14
> >
> > No virus found in this message.
> > Checked by AVG - www.avg.com
> > Version: 2015.0.5577 / Virus Database: 4235/8712 - Release Date:

> 12/10/14
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>

34954. Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:07:45 UTC
From: cabispop@...
Topic: 34954 Message: 34954

Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)

Dennis KA6YGR

34955. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:12:19 UTC
From: Timothy-Allen Albertson
Topic: 34954 Message: 34955

try 1.5" Sch 40 PVC pipe--alot cheaper im planning on using it for my G5RVJr

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

On Fri, Dec 12, 2014 at 1:07 PM, cabispop@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place
> I see on the net wants 7 times the cost of mast for shipping. Any ideas
> would be welcome. (By the way, I have 2 top rails from a cyclone fence up
> now, but the winds in my area have bent it.)
>
>
> Dennis KA6YGR
>
>
>

34956. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:18:08 UTC
From: Karla and Joe Stark
Topic: 34954 Message: 34956

Also .25'' wall for the top and .5 for the bottom,Joe stark KC9WVL

On Friday, December 12, 2014 1:07 PM, "cabispop@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)

Dennis KA6YGR

34957. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:20:42 UTC
From: Van Lincoln
Topic: 34954 Message: 34957

HOME DEPOT carries them,
ChannelMaster, Telescoping I think also different lengths,
and you can send to store and pick them up or ship to your home.

Do a google search "home depot telescoping tv mast"
73
van
wd8aam

At 13:07 12/12/2014, you wrote:

>Need a 30 foot or so mast for my G5RV antenna.
>Unfortunately, every place I see on the net
>wants 7 times the cost of mast for shipping. Any
>ideas would be welcome. (By the way, I have 2
>top rails from a cyclone fence up now, but the winds in my area have bent it.)
>
>
>Dennis KA6YGR
>
>
>

34958. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:20:59 UTC
From: Robert Ahrens
Topic: 34954 Message: 34958

I am very happy with the most I put together using aluminum tool handles purchased from Home Depot. They are each about 5 feet long and are made to connect to one another.

You will find them with the concrete tools. I paid $7 for mine, but the price has gone up.

~ Bob, NT5A
On Dec 12, 2014 11:07 AM, "cabispop@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place
> I see on the net wants 7 times the cost of mast for shipping. Any ideas
> would be welcome. (By the way, I have 2 top rails from a cyclone fence up
> now, but the winds in my area have bent it.)
>
>
> Dennis KA6YGR
>
>

34959. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:34:42 UTC
From: Van Lincoln
Topic: 34954 Message: 34959

*

<http://www.hilomast.com/>Telescoping Aluminum Mast - hilomast.com

Adwww.hilomast.com/ (386) 668-6784 Custom
Telescoping Masts & Poles. Eye Level To High Level. Buy Now!

*

<http://www.walmart.com/search/search-ng.do?search_query=channel+master&adid=2222222222021
4956978&wmlspartner=wmtlabs&wl0=&wl1=g&wl2=c&wl3=53646807535&wl4=&veh=sem>Channel
Master at Walmart

Adwww.walmart.com/Channel-Master 4.3
<https://www.google.com/shopping/seller?q=walmart.com&mrqs=1&hl=en&sa=X&ei=MUKLVJjaNs2byAS
lg4CABQ&ved=0CCkQwQY>rating
for walmart.com Save On Channel Master at
Walmart. Free Shipping Site to Store.
Ratings:Prices 10/10 - Selection 9.5/10 - Website
8/10 - Store convenience 9/10
<https://plus.google.com/111852759168797891317>Walmart
has 44,832 followers on Google+
<http://www.google.com/aclk?sa=L&ai=CwXjfMUKLVKulOsjqpAO_uYBoz4rGngaPuI7vxwHDg_nobwgAEAIoA
2DJhtyJlKSYE8gBAaoEJE_Qj_yNK8ks6FxSWdEEW55xxTDL-PKCNF1tmkV-cpq0fY09LNIGDBC_t7oFGJ_FgUAoB4A
Hp5r3GpAHA6gHpr4b&sig=AOD64_3GOnDv5DjN9FPS3HEzYOy9P9IhTQ&ctype=50&rct=j&q=&ved=0CDEQmxA&ad
url=https://maps.google.com/maps%3Frls%3Dig%26bav%3Don.2,or.r_qf.%26bvm%3Dbv.81828268,d.aW
w%26biw%3D1366%26bih%3D624%26dpr%3D1%26um%3D1%26ie%3DUTF-8%26daddr%3D8101%2BOld%2BCarriage
%2BCt,%2BShakopee,%2BMN%2B55379%26ll%3D44.781400,-93.414900%26f%3Dd%26saddr%3D%26iwstate1%
3Ddir:to%26fb%3D1%26slad%3D0ALHuxZrYttMFU29odp_jvX4KBsZOfT1ZDwCh53d3cud2FsbWFydC5jb20vQ2hh
bm5lbC1NYXN0ZXISowFodHRwOi8vd3d3LndhbG1hcnQuY29tL3NlYXJjaC9zZWFyY2gtbmcuZG8_c2VhcmNoX3F1ZX
J5PWNoYW5uZWwrbWFzdGVyJmFkaWQ9MjIyMjIyMjIyMjAyMTQ5NTY5Nzgmd21sc3BhcnRuZXI9d210bGFicyZ3bDA9
YiZ3bDE9ZyZ3bDI9YyZ3bDM9NTM2NDY4MDc1MzUmd2w0PSZ2ZWg9c2VtGhlDaGFubmVsIE1hc3RlciBhdCBXYWxtYX
J0IiJTYXZlIE9uIENoYW5uZWwgTWFzdGVyIGF0IFdhbG1hcnQuKhxGcmVlIFNoaXBwaW5nIFNpdGUgdG8gU3RvcmUu
%26geo
>8101 Old Carriage Ct, Shakopee, MN - (952) 445-8013

*

<http://www.tianhemast.com/telescopic-mast>Telescoping
Mast - Lengths of up to 15 meters

Adwww.tianhemast.com/ Simple operation, robustness, high payload

Search Results

*

<http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>TV
Antenna Mast - Channel Master

www.channelmasterstore.com/Antenna_Masts_s/42.htm
Buy antenna masts at the best prices direct from
Channel Master-The highest quality TV antenna
mast on the market-Affordable straight,
telescoping antenna ...
<http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>Channel
Master CM1850
-
<http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>Telescoping
Mast
-
<http://www.channelmasterstore.com/Channel_Master_Installation_Kit_p/cm-9800.htm>Channel
Master (CM-9800)

*

<http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>25
FT Telescoping TV Antenna Mast-Channel Master CM1830

www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm
Rating: 4.5 - 5 reviews - $99.00 - In stock
Channel Master CM 1830 is a high quality
galvanized steel 18 gauge mast used for TV
antenna mounting-The 25FT telescoping TV antenna mast is weather ...

*

<http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>40
FT Telescoping TV Antenna Mast-Channel Master CM1850

www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm
Rating: 5 - 6 reviews - $179.00 - In stock
Channel Master CM 1850 is a high quality
galvanized steel 18 gauge mast used for TV ...
The 40' Telescoping Mast is a 40-foot long,
18-gauge, galvanized steel ... nSo impressed, I'm
buying another shorter one for my Gizmotchi 4 element ...

*

<http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor-Outdoor-Telescoping-Mast
-CM-1850/203763038>Channel
Master Universal 50 ft. Indoor/Outdoor Telescoping ...

www.homedepot.com/.../Channel-Master...Telescoping-...
The Home Depot Rating: 3.4 - 5 reviews - $179.99
- In stock Indoor Outdoor Telescoping Mast is
weather resistant, strong, durable. ... PRODUCT
SOLD Online Only ... The Channel Master CM 1850
is a 50 foot long, 18 gauge, high quality
galvanized telescoping steel mast used for TV antenna mounting ...

*

<http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/dp/B007RGF2WG>Channel Master CM 1850 41' Telescoping Steel Antenna Mast

www.amazon.com ☐ ... ☐ Antennas ☐ TV Antennas
Amazon.com Rating: 4.8 - 6 reviews Channel Master
CM 1850 is a 41 foot long, 18 gauge, high quality
galvanized telescoping steel mast used for TV
antenna mounting, as well as other antenna and
specialty applications. The mast is weather
resistant, strong and durable and comes with guy
rings, mast clamps and platform pins making it ready to install.

*

<http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/sim/B007RGF27Q/2>Channel Master CM 1820 17' Telescoping Steel Antenna Mast

www.amazon.com/Channel-Master-Telescoping-Steel.../2
Amazon.com Channel Master CM 1820 17' Telescoping
Steel Antenna Mast ... be helpful for anyone
looking to purchase this 20' telescoping mast from Channel Master.

*

<http://www.cableandwireshop.com/telescoping_masts.html>Telescoping Antenna Masts by Channel Master and ROHN

www.cableandwireshop.com ☐ ... ☐ Telescopic
Masts and More Telescoping Antenna Masts with
Accessories and Hardware in Stock for Sale
Designed to support light duty antennas in
various Wireless Internet, Off Air TV and ...

*

<http://support.channelmaster.com/hc/en-us/articles/200383625-Antenna-Mounting-Overview>Antenna Mounting Overview ☐ Support - Channel Master

support.channelmaster.com/.../200383625-Antenna-Mounting-Overview
A roof-type mounting bracket, such as the Channel
Master CM3078, is adaptable ... Because
telescoping masts are heavy and require firm bottom support, they ...

*

<http://www.ebay.com/bhp/telescoping-antenna-mast>Telescoping Antenna Mast | eBay

www.ebay.com/bhp/telescoping-antenna-mast
eBay 17' expandable steel telescoping antenna
mast | Channel Master (CM1820) ... Telescoping
Aluminum Push-Up Pole / Mast For Amateur Radio, WiFi - SALE!

*

<http://www.eham.net/reviews/detail/7091>Channel
master telescopic guyed mast Product Reviews

www.eham.net/reviews/detail/7091 Nov 3, 2007
- Reviews Summary for Channel master telescopic
guyed mast ... this mast from Ace Hardware
website which shipped it free to a local store. Bob
73
van
wd8aam

At 13:07 12/12/2014, you wrote:

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>Unfortunately, every place I see on the net
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>Dennis KA6YGR
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34960. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:41:06 UTC
From: Deanf
Topic: 34954 Message: 34960

I would get the black or gray pipe instead of the white pipe. The white pipe will get brittle after a while.

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, December 12, 2014 11:12 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Antenna mast source?

try 1.5" Sch 40 PVC pipe--alot cheaper im planning on using it for my G5RVJr

72/73 TIMOTHY-ALLEN ALBERTSON
KD∅OIA/(ex KG6IRH)

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Dennis KA6YGR

34961. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:51:40 UTC
From: Geoff McAlpin
Topic: 34954 Message: 34961

Why not a spiderbeam mast?

http://www.spiderbeam.us

$120 for a 12m fiberglass mast.

On Friday, December 12, 2014, Van Lincoln vlincoln@frontiernet.net
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
>
> 1. *Telescoping Aluminum Mast - hilomast.com
> <http://www.hilomast.com/>*
>
> Adwww.hilo*mast*.com/ (386) 668-6784 Custom *Telescoping Masts* &
> Poles. Eye Level To High Level. Buy Now!
>
> 2. * Channel Master at Walmart
> <http://www.walmart.com/search/search-ng.do?search_query=channel+master&adid=22222222220
214956978&wmlspartner=wmtlabs&wl0=&wl1=g&wl2=c&wl3=53646807535&wl4=&veh=sem>*
>
> Adwww.walmart.com/*Channel*-*Master* 4.3 rating
> <https://www.google.com/shopping/seller?q=walmart.com&mrqs=1&hl=en&sa=X&ei=MUKLVJjaNs2by
ASlg4CABQ&ved=0CCkQwQY>
> for walmart.com Save On *Channel Master* at Walmart. Free Shipping
> Site to *Store*. Ratings:Prices 10/10 - Selection 9.5/10 - Website
> 8/10 - Store convenience 9/10 Walmart
> <https://plus.google.com/111852759168797891317> has 44,832 followers
> on Google+ 8101 Old Carriage Ct, Shakopee, MN
> <http://www.google.com/aclk?sa=L&ai=CwXjfMUKLVKulOsjqpAO_uYBoz4rGngaPuI7vxwHDg_nobwgAEAI
oA2DJhtyJlKSYE8gBAaoEJE_Qj_yNK8ks6FxSWdEEW55xxTDL-PKCNF1tmkV-cpq0fY09LNIGDBC_t7oFGJ_FgUAoB
4AHp5r3GpAHA6gHpr4b&sig=AOD64_3GOnDv5DjN9FPS3HEzYOy9P9IhTQ&ctype=50&rct=j&q=&ved=0CDEQmxA&
adurl=https://maps.google.com/maps%3Frls%3Dig%26bav%3Don.2,or.r_qf.%26bvm%3Dbv.81828268,d.
aWw%26biw%3D1366%26bih%3D624%26dpr%3D1%26um%3D1%26ie%3DUTF-8%26daddr%3D8101%2BOld%2BCarria
ge%2BCt,%2BShakopee,%2BMN%2B55379%26ll%3D44.781400,-93.414900%26f%3Dd%26saddr%3D%26iwstate
1%3Ddir:to%26fb%3D1%26slad%3D0ALHuxZrYttMFU29odp_jvX4KBsZOfT1ZDwCh53d3cud2FsbWFydC5jb20vQ2
hhbm5lbC1NYXN0ZXISowFodHRwOi8vd3d3LndhbG1hcnQuY29tL3NlYXJjaC9zZWFyY2gtbmcuZG8_c2VhcmNoX3F1
ZXJ5PWNoYW5uZWwrbWFzdGVyJmFkaWQ9MjIyMjIyMjIyMjAyMTQ5NTY5Nzgmd21sc3BhcnRuZXI9d210bGFicyZ3bD
A9YiZ3bDE9ZyZ3bDI9YyZ3bDM9NTM2NDY4MDc1MzUmd2w0PSZ2ZWg9c2VtGhlDaGFubmVsIE1hc3RlciBhdCBXYWxt
YXJ0IiJTYXZlIE9uIENoYW5uZWwgTWFzdGVyIGF0IFdhbG1hcnQuKhxGcmVlIFNoaXBwaW5nIFNpdGUgdG8gU3Rvcm
Uu%26geo>
> - (952) 445-8013
>
> 3. * Telescoping Mast - Lengths of up to 15 meters
> <http://www.tianhemast.com/telescopic-mast>*

>
> Adwww.tianhe*mast*.com/ Simple operation, robustness, high payload
>
>
>
>
> *Search Results *
>
> 1. * TV Antenna Mast - Channel Master
> <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>*
>
> www. <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>
> *channelmasterstore*.com/Antenna_*Masts* _s/42.htm
> <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm> Buy antenna
> *masts* at the best prices direct from *Channel Master*-The highest
> quality TV antenna *mast* on the market-Affordable straight,
> *telescoping* antenna ... Channel Master CM1850
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm> - Telescoping
> Mast <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
> - Channel Master (CM-9800)
> <http://www.channelmasterstore.com/Channel_Master_Installation_Kit_p/cm-9800.htm>
>
> 2. * 25 FT Telescoping TV Antenna Mast-Channel Master CM1830
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>*
>
> www. <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
> *channelmasterstore*.com/TV_Antenna_*Mast* _p/cm-1830.htm
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
> Rating: 4.5 - 5 reviews - $99.00 - In stock *Channel Master* CM 1830
> is a high quality galvanized steel 18 gauge *mast* used for TV antenna
> mounting-The 25FT *telescoping* TV antenna *mast* is weather ...
>
> 3. * 40 FT Telescoping TV Antenna Mast-Channel Master CM1850
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>*
>
> www. <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>
> *channelmasterstore*.com/TV_Antenna_*Mast* _p/cm-1850.htm
> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>
> Rating: 5 - 6 reviews - $179.00 - In stock *Channel Master* CM 1850 is
> a high quality galvanized steel 18 gauge mast used for TV ... The 40' *Telescoping
> Mast* is a 40-foot long, 18-gauge, galvanized steel ... nSo impressed,
> I'm *buying* another shorter one for my Gizmotchi 4 element ...
>
> 4. * Channel Master Universal 50 ft. Indoor/Outdoor Telescoping ...
> <http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor-Outdoor-Telescoping-Ma
st-CM-1850/203763038>*
>
> www.homedepot.com/.../
> <http://www.homedepot.com/.../Channel-Master...Telescoping>*Channel*-
> *Master* ... *Telescoping*

> <http://www.homedepot.com/.../Channel-Master...Telescoping>-... The
> Home Depot Rating: 3.4 - 5 reviews - $179.99 - In stock Indoor Outdoor *Telescoping
> Mast* is weather resistant, strong, durable. ... PRODUCT *SOLD* Online
> Only ... The *Channel Master* CM 1850 is a 50 foot long, 18 gauge,
> high quality galvanized telescoping steel mast used for TV antenna mounting
> ...
>
> 5. * Channel Master CM 1850 41' Telescoping Steel Antenna Mast
> <http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/dp/B007RGF2WG>*
>
> www.amazon.com › ... › Antennas › TV Antennas Amazon.com Rating: 4.8 -
> 6 reviews Channel Master CM 1850 is a 41 foot long, 18 gauge, high quality
> galvanized telescoping steel mast used for TV antenna mounting, as well as
> other antenna and specialty applications. The mast is weather resistant,
> strong and durable and comes with *guy rings*, mast clamps and
> platform pins making it ready to install.
>
> 6. * Channel Master CM 1820 17' Telescoping Steel Antenna Mast
> <http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/sim/B007RGF27Q/2>*
>
> www.amazon.com/
> <http://www.amazon.com/Channel-Master-Telescoping-Steel.../2>*Channel*-
> *Master*-*Telescoping* -Steel.../2
> <http://www.amazon.com/Channel-Master-Telescoping-Steel.../2>
> Amazon.com *Channel Master* CM 1820 17' Telescoping Steel Antenna Mast
> ... be helpful for anyone looking to *purchase* this 20' *telescoping
> mast* from *Channel Master*.
>
> 7. * Telescoping Antenna Masts by Channel Master and ROHN
> <http://www.cableandwireshop.com/telescoping_masts.html>*
>
> www.cableandwireshop.com › ... › Telescopic Masts and More
> *Telescoping* Antenna *Masts* with Accessories and Hardware in Stock
> for *Sale* Designed to support light duty antennas in various Wireless
> Internet, Off Air TV and ...
>
> 8. * Antenna Mounting Overview – Support - Channel Master
>
<http://support.channelmaster.com/hc/en-us/articles/200383625-Antenna-Mounting-Overview>*
>
> support.*channelmaster*.com/.../200383625-Antenna-Mounting-Overview A
> roof-type mounting bracket, such as the *Channel Master* CM3078, is
> adaptable ... Because *telescoping masts* are heavy and require firm
> bottom support, they ...
>
> 9. * Telescoping Antenna Mast | eBay
> <http://www.ebay.com/bhp/telescoping-antenna-mast>*
>
> www.ebay.com/bhp/ <http://www.ebay.com/bhp/telescoping-antenna-mast>
> *telescoping* -antenna- *mast*

> <http://www.ebay.com/bhp/telescoping-antenna-mast> eBay 17' expandable
> steel *telescoping* antenna *mast* | *Channel Master* (CM1820) ...
> *Telescoping* Aluminum Push-Up Pole / *Mast* For Amateur Radio, WiFi -
> *SALE*!
>
> 10. *Channel master telescopic guyed mast Product Reviews
> <http://www.eham.net/reviews/detail/7091>*
>
> www.eham.net/reviews/detail/7091 Nov 3, 2007 - Reviews Summary for *Channel
> master telescopic* guyed *mast* ... this *mast* from* Ace Hardware
> website* which shipped it free to a local *store*. Bob
>
> 73
> van
> wd8aam
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>
>
> At 13:07 12/12/2014, you wrote:
>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place
> I see on the net wants 7 times the cost of mast for shipping. Any ideas
> would be welcome. (By the way, I have 2 top rails from a cyclone fence up
> now, but the winds in my area have bent it.)
>
>
> Dennis KA6YGR
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>
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>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34962. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 19:54:31 UTC
From: Billy McFarland
Topic: 34954 Message: 34962

These mast are great and super quality

73 Billy GM0OBX

At 12 Dec 2014 19:53:48, Geoff McAlpin geoff.nm7v@...
[ham-antennas]<'ham-antennas@yahoogroups.com'> wrote:

Why not a spiderbeam mast?

http://www.spiderbeam.us

$120 for a 12m fiberglass mast.

On Friday, December 12, 2014, Van Lincoln vlincoln@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:

-
Telescoping Aluminum Mast -
hilomast.com (http://www.hilomast.com/)

Adwww.hilo (http://Adwww.hilomast.com/)mast (http://Adwww.hilomast.com/).com/
(http://Adwww.hilomast.com/) (386) 668-6784
Custom Telescoping Masts & Poles. Eye Level To High Level. Buy
Now!

-

Channel Master at Walmart (http://www.walmart.com/search/search-ng.do?search_query=channel
+master&adid=22222222220214956978&wmlspartner=wmtlabs&wl0=&wl1=g&wl2=c&wl3=53646807535&wl4
=&veh=sem)

Adwww.walmart.com/ (http://Adwww.walmart.com/)Channel-Master
4.3

rating (https://www.google.com/shopping/seller?q=walmart.com&mrqs=1&hl=en&sa=X&ei=MUKLVJja
Ns2byASlg4CABQ&ved=0CCkQwQY) for walmart.com (http://walmart.com)
Save On Channel Master at Walmart. Free Shipping Site to
Store.
Ratings:Prices 10/10 - Selection 9.5/10 - Website 8/10 - Store
convenience 9/10
Walmart (https://plus.google.com/111852759168797891317) has
44,832 followers on Google+

8101 Old Carriage Ct, Shakopee, MN
- (952) 445-8013

-

Telescoping Mast - Lengths of up to 15 meters (http://www.tianhemast.com/telescopic-mast)

Adwww.tianhe (http://Adwww.tianhemast.com/)mast (http://Adwww.tianhemast.com/).com/
(http://Adwww.tianhemast.com/)
Simple operation, robustness, high payload

Search Results

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TV
Antenna Mast - Channel Master (http://www.channelmasterstore.com/Antenna_Masts_s/42.htm)

www. (http://www.channelmasterstore.com/Antenna_Masts_s/42.htm)channelmasterstore.com/Ante
nna_Masts

_s/42.htm (http://www.channelmasterstore.com/Antenna_Masts_s/42.htm)
Buy antenna masts at the best prices direct from Channel
Master-The highest quality TV antenna mast on the
market-Affordable straight, telescoping antenna ...

Channel Master CM1850 (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm) -

Telescoping Mast (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm) -

Channel Master (CM-9800)
(http://www.channelmasterstore.com/Channel_Master_Installation_Kit_p/cm-9800.htm)

-

25 FT Telescoping TV Antenna Mast-Channel Master
CM1830 (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm)

www. (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm)channelmasterstore.c
om/TV_Antenna_Mast

_p/cm-1830.htm (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm)
Rating: 4.5 - 5 reviews - $99.00 - In stock
Channel Master CM 1830 is a high quality galvanized steel 18 gauge
mast used for TV antenna mounting-The 25FT telescoping TV
antenna mast is weather ...

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40 FT Telescoping TV Antenna Mast-Channel Master
CM1850 (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm)

www. (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm)channelmasterstore.c
om/TV_Antenna_Mast

_p/cm-1850.htm (http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm)
Rating: 5 - 6 reviews - $179.00 - In stock
Channel Master CM 1850 is a high quality galvanized steel 18 gauge
mast used for TV ... The 40' Telescoping Mast is a 40-foot long,
18-gauge, galvanized steel ... nSo impressed, I'm buying another
shorter one for my Gizmotchi 4 element ...

-

Channel Master Universal 50 ft. Indoor/Outdoor Telescoping
... (http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor-Outdoor-Telescoping-Mast-CM-1850/203763038)

www.homedepot.com/.../
(http://www.homedepot.com/.../Channel-Master...Telescoping)Channel-Master
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Telescoping (http://www.homedepot.com/.../Channel-Master...Telescoping)-...
The Home Depot
Rating: 3.4 - 5 reviews - $179.99 - In stock
Indoor Outdoor Telescoping Mast is weather resistant, strong,
durable. ... PRODUCT SOLD Online Only ... The Channel
Master CM 1850 is a 50 foot long, 18 gauge, high quality galvanized
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Channel Master CM 1850 41' Telescoping Steel Antenna
Mast (http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/dp/B007RGF2WG)

www.amazon.com (http://www.amazon.com/) ›
... › Antennas › TV Antennas
Amazon.com (http://Amazon.com)
Rating: 4.8 - 6 reviews
Channel Master CM 1850 is a 41 foot long, 18 gauge, high quality
galvanized telescoping steel mast used for TV antenna mounting, as well
as other antenna and specialty applications. The mast is weather
resistant, strong and durable and comes with guy rings, mast
clamps and platform pins making it ready to install.

-

Channel Master CM 1820 17' Telescoping Steel Antenna
Mast (http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/sim/B007RGF27Q/2)

www.amazon.com/
(http://www.amazon.com/Channel-Master-Telescoping-Steel.../2)Channel-Master-Telescoping

-Steel.../2 (http://www.amazon.com/Channel-Master-Telescoping-Steel.../2)
Amazon.com (http://Amazon.com)
Channel Master CM 1820 17' Telescoping Steel Antenna Mast ... be
helpful for anyone looking to purchase this 20' telescoping
mast from Channel Master.

-

Telescoping Antenna Masts by Channel Master and
ROHN (http://www.cableandwireshop.com/telescoping_masts.html)

www.cableandwireshop.com (http://www.cableandwireshop.com/) › ... › Telescopic Masts and More
Telescoping Antenna Masts with Accessories and Hardware in

Stock for Sale Designed to support light duty antennas in various
Wireless Internet, Off Air TV and ...

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Antenna Mounting Overview – Support - Channel
Master
(http://support.channelmaster.com/hc/en-us/articles/200383625-Antenna-Mounting-Overview)

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(http://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview)channelmaster (h
ttp://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview).com/.../200383625
-Antenna-Mounting-Overview
(http://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview)
A roof-type mounting bracket, such as the Channel Master CM3078,
is adaptable ... Because telescoping masts are heavy and require
firm bottom support, they ...

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Telescoping Antenna Mast | eBay (http://www.ebay.com/bhp/telescoping-antenna-mast)

www.ebay.com/bhp/ (http://www.ebay.com/bhp/telescoping-antenna-mast)telescoping
-antenna-
mast (http://www.ebay.com/bhp/telescoping-antenna-mast)
eBay
17' expandable steel telescoping antenna mast | Channel
Master (CM1820) ... Telescoping Aluminum Push-Up Pole /
Mast For Amateur Radio, WiFi - SALE!

-
Channel
master telescopic guyed mast Product Reviews (http://www.eham.net/reviews/detail/7091)

www.eham.net/reviews/detail/7091 (http://www.eham.net/reviews/detail/7091)
Nov 3, 2007 - Reviews Summary for Channel master telescopic guyed
mast ... this mast from Ace Hardware
website which shipped it free to a local store.
Bob
73

van

wd8aam

At 13:07 12/12/2014, you wrote:

Need a 30 foot or so mast for my
G5RV antenna. Unfortunately, every place I see on the net wants 7 times
the cost of mast for shipping. Any ideas would be welcome. (By the way, I
have 2 top rails from a cyclone fence up now, but the winds in my area
have bent it.)

Dennis KA6YGR

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

34963. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 20:01:30 UTC
From: Mel Farrer
Topic: 34954 Message: 34963

K6LK in Clear Lake has some VERY strong sections of military carbon fiber mast he is trying to sell. He is good in QRZ. I have 54 feet of it up and it took the 124 mph winds we had yesterday and laughed.
Mel, K6KBE

From: "cabispop@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 12, 2014 11:07 AM
Subject: [ham-antennas] Antenna mast source?

  Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)
Dennis KA6YGR

34964. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 20:02:48 UTC
From: James Bennett
Topic: 34954 Message: 34964

Dennis,

I’d try to stay with non-conductive mast material. You might consider using a windsurfing tapered fiberglass mast. I use one at my QTH. They are 18-20 feet long, hollow but quite sturdy. I get the extra length I need by inserting a couple military surplus fiberglass tubes in the bottom. Just a thought…

Jim / W6JHB

> On Friday, Dec 12, 2014, at Friday, 11:07 AM, cabispop@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)
>
>
>
> Dennis KA6YGR
>
>
>

34965. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 20:28:41 UTC
From: Mel Farrer
Topic: 34954 Message: 34965

Dennis go to the photo section and look at the green mast sections. These are the ones Bill K6LK is selling. Easy to put together is 4 foot sections and rock solid.

Mel, K6KBE

From: "James Bennett w6jhb@me.com [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 12, 2014 12:02 PM
Subject: Re: [ham-antennas] Antenna mast source?

Dennis,
I'd try to stay with non-conductive mast material. You might consider using a windsurfing tapered fiberglass mast. I use one at my QTH. They are 18-20 feet long, hollow but quite sturdy. I get the extra length I need by inserting a couple military surplus fiberglass tubes in the bottom. Just a thought…
Jim / W6JHB

On Friday, Dec 12, 2014, at Friday, 11:07 AM, cabispop@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)
Dennis KA6YGR

34966. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 20:38:31 UTC
From: Geoff McAlpin
Topic: 34954 Message: 34966

I agree. I have one for my h-pole antenna I'm constructing.
On Dec 12, 2014 11:57 AM, "Billy McFarland gm0obx@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
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> These mast are great and super quality
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> 73 Billy GM0OBX
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> At 12 Dec 2014 19:53:48, Geoff McAlpin geoff.nm7v@... [ham-antennas]
> ham-antennas@yahoogroups.com'> wrote:
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> Why not a spiderbeam mast?
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> http://www.spiderbeam.us
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>
> $120 for a 12m fiberglass mast.
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> On Friday, December 12, 2014, Van Lincoln vlincoln@...
> [ham-antennas] ham-antennas@yahoogroups.com> wrote:
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>> 1.
>> *Telescoping Aluminum Mast - hilomast.com <http://www.hilomast.com/>*
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>> Adwww.hilo <http://Adwww.hilomast.com/>*mast
>> <http://Adwww.hilomast.com/>*.com/ <http://Adwww.hilomast.com/> (386)
>> 668-6784 <(386)%20668-6784>
>> Custom *Telescoping Masts* Poles. Eye Level To High Level. Buy
>> Now!
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>> 2.
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>> * Channel Master at Walmart
>> <http://www.walmart.com/search/search-ng.do?search_query=channel+master&adid=2222222222
0214956978&wmlspartner=wmtlabs&wl0=&wl1=g&wl2=c&wl3=53646807535&wl4=&veh=sem>*
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>> Adwww.walmart.com/*Channel*-*Master*
>> 4.3
>>
>> rating
>> <https://www.google.com/shopping/seller?q=walmart.com&mrqs=1&hl=en&sa=X&ei=MUKLVJjaNs2b
yASlg4CABQ&ved=0CCkQwQY>

>> for walmart.com
>> Save On *Channel Master* at Walmart. Free Shipping Site to
>> *Store*.
>> Ratings:Prices 10/10 - Selection 9.5/10 - Website 8/10 - Store
>> convenience 9/10
>> Walmart <https://plus.google.com/111852759168797891317> has
>> 44,832 followers on Google+
>>
>> 8101 Old Carriage Ct, Shakopee, MN
>> <http://www.google.com/aclk?sa=L&ai=CwXjfMUKLVKulOsjqpAO_uYBoz4rGngaPuI7vxwHDg_nobwgAEA
IoA2DJhtyJlKSYE8gBAaoEJE_Qj_yNK8ks6FxSWdEEW55xxTDL-PKCNF1tmkV-cpq0fY09LNIGDBC_t7oFGJ_FgUAo
B4AHp5r3GpAHA6gHpr4b&sig=AOD64_3GOnDv5DjN9FPS3HEzYOy9P9IhTQ&ctype=50&rct=j&q=&ved=0CDEQmxA
&adurl=https://maps.google.com/maps%3Frls%3Dig%26bav%3Don.2,or.r_qf.%26bvm%3Dbv.81828268,d
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age%2BCt,%2BShakopee,%2BMN%2B55379%26ll%3D44.781400,-93.414900%26f%3Dd%26saddr%3D%26iwstat
e1%3Ddir:to%26fb%3D1%26slad%3D0ALHuxZrYttMFU29odp_jvX4KBsZOfT1ZDwCh53d3cud2FsbWFydC5jb20vQ
2hhbm5lbC1NYXN0ZXISowFodHRwOi8vd3d3LndhbG1hcnQuY29tL3NlYXJjaC9zZWFyY2gtbmcuZG8_c2VhcmNoX3F
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tYXJ0IiJTYXZlIE9uIENoYW5uZWwgTWFzdGVyIGF0IFdhbG1hcnQuKhxGcmVlIFNoaXBwaW5nIFNpdGUgdG8gU3Rvc
mUu%26geo>
>> - (952) 445-8013
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>> 3.
>> * Telescoping Mast - Lengths of up to 15 meters
>> <http://www.tianhemast.com/telescopic-mast>*
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>> Adwww.tianhe <http://Adwww.tianhemast.com/>*mast
>> <http://Adwww.tianhemast.com/>*.com/ <http://Adwww.tianhemast.com/>
>> Simple operation, robustness, high payload
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>> *Search Results*
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>> 1.
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>> * TV Antenna Mast - Channel Master
>> <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>*
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>> www. <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>
>> *channelmasterstore*.com/Antenna_*Masts*
>>
>> _s/42.htm <http://www.channelmasterstore.com/Antenna_Masts_s/42.htm>
>> Buy antenna *masts* at the best prices direct from
>> *Channel Master*-The highest quality TV antenna *mast* on the
>> market-Affordable straight, *telescoping* antenna ...
>>
>> Channel Master CM1850
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm> -
>>
>> Telescoping Mast
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm> -
>>
>> Channel Master (CM-9800)
>> <http://www.channelmasterstore.com/Channel_Master_Installation_Kit_p/cm-9800.htm>
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>> 2.
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>> * 25 FT Telescoping TV Antenna Mast-Channel Master CM1830
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>*
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>> www. <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
>> *channelmasterstore*.com/TV_Antenna_*Mast*
>>
>> _p/cm-1830.htm
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1830.htm>
>> Rating: 4.5 - 5 reviews - $99.00 - In stock
>> *Channel Master* CM 1830 is a high quality galvanized steel 18 gauge
>> *mast* used for TV antenna mounting-The 25FT *telescoping* TV
>> antenna *mast* is weather ...
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>> * 40 FT Telescoping TV Antenna Mast-Channel Master CM1850
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>*
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>> www. <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>

>> *channelmasterstore*.com/TV_Antenna_*Mast*
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>> _p/cm-1850.htm
>> <http://www.channelmasterstore.com/TV_Antenna_Mast_p/cm-1850.htm>
>> Rating: 5 - 6 reviews - $179.00 - In stock
>> *Channel Master* CM 1850 is a high quality galvanized steel 18 gauge
>> mast used for TV ... The 40' *Telescoping Mast* is a 40-foot long,
>> 18-gauge, galvanized steel ... nSo impressed, I'm *buying* another
>> shorter one for my Gizmotchi 4 element ...
>>
>>
>>
>> 4.
>>
>>
>> * Channel Master Universal 50 ft. Indoor/Outdoor Telescoping ...
>> <http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor-Outdoor-Telescoping-M
ast-CM-1850/203763038>*
>>
>>
>>
>>
>> www.homedepot.com/.../
>> <http://www.homedepot.com/.../Channel-Master...Telescoping>*Channel*-
>> *Master*
>> ...
>> *Telescoping*
>> <http://www.homedepot.com/.../Channel-Master...Telescoping>-...
>> The Home Depot
>> Rating: 3.4 - 5 reviews - $179.99 - In stock
>> Indoor Outdoor *Telescoping Mast* is weather resistant, strong,
>> durable. ... PRODUCT *SOLD* Online Only ... The
>> *Channel Master* CM 1850 is a 50 foot long, 18 gauge, high quality
>> galvanized
>> telescoping steel mast used for TV antenna mounting ...
>>
>>
>>
>> 5.
>>
>>
>> * Channel Master CM 1850 41' Telescoping Steel Antenna Mast
>> <http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/dp/B007RGF2WG>*
>>
>>
>>
>> www.amazon.com ›
>> ... › Antennas › TV Antennas
>> Amazon.com
>> Rating: 4.8 - 6 reviews

>> Channel Master CM 1850 is a 41 foot long, 18 gauge, high quality
>> galvanized telescoping steel mast used for TV antenna mounting, as
>> well
>> as other antenna and specialty applications. The mast is weather
>> resistant, strong and durable and comes with *guy rings*, mast
>> clamps and platform pins making it ready to install.
>>
>>
>>
>> 6.
>>
>>
>> * Channel Master CM 1820 17' Telescoping Steel Antenna Mast
>> <http://www.amazon.com/Channel-Master-Telescoping-Steel-Antenna/sim/B007RGF27Q/2>*
>>
>>
>>
>>
>> www.amazon.com/
>> <http://www.amazon.com/Channel-Master-Telescoping-Steel.../2>*Channel*
>> -*Master*-*Telescoping*
>>
>> -Steel.../2
>> <http://www.amazon.com/Channel-Master-Telescoping-Steel.../2>
>> Amazon.com
>> *Channel Master* CM 1820 17' Telescoping Steel Antenna Mast ... be
>> helpful for anyone looking to *purchase* this 20'
>> *telescoping mast* from *Channel Master*.
>>
>>
>>
>> 7.
>>
>>
>> * Telescoping Antenna Masts by Channel Master and ROHN
>> <http://www.cableandwireshop.com/telescoping_masts.html>*
>>
>>
>>
>>
>> www.cableandwireshop.com › ... › Telescopic Masts and More
>> *Telescoping* Antenna *Masts* with Accessories and Hardware in
>> Stock for *Sale* Designed to support light duty antennas in various
>> Wireless Internet, Off Air TV and ...
>>
>>
>>
>> 8.
>>
>>

>> * Antenna Mounting Overview – Support - Channel Master
>>
<http://support.channelmaster.com/hc/en-us/articles/200383625-Antenna-Mounting-Overview>*
>>
>>
>>
>> support.
>>
<http://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview>*channelmaster
>> <http://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview>*
>> .com/.../200383625-Antenna-Mounting-Overview
>> <http://support.channelmaster.com/.../200383625-Antenna-Mounting-Overview>
>> A roof-type mounting bracket, such as the *Channel Master* CM3078,
>> is adaptable ... Because *telescoping masts* are heavy and require
>> firm bottom support, they ...
>>
>>
>>
>> 9.
>> * Telescoping Antenna Mast | eBay
>> <http://www.ebay.com/bhp/telescoping-antenna-mast>*
>>
>>
>>
>>
>> www.ebay.com/bhp/ <http://www.ebay.com/bhp/telescoping-antenna-mast>
>> *telescoping*
>> -antenna-
>> *mast* <http://www.ebay.com/bhp/telescoping-antenna-mast>
>> eBay
>> 17' expandable steel *telescoping* antenna *mast* |
>> *Channel Master* (CM1820) ... *Telescoping* Aluminum Push-Up Pole /
>> *Mast* For Amateur Radio, WiFi - *SALE*!
>>
>>
>>
>> 10.
>> *Channel master telescopic guyed mast Product Reviews
>> <http://www.eham.net/reviews/detail/7091>*
>>
>>
>>
>>
>> www.eham.net/reviews/detail/7091
>> Nov 3, 2007 - Reviews Summary for *Channel master telescopic* guyed
>> *mast* ... this *mast* from
>> * Ace Hardware website* which shipped it free to a local *store*.
>> Bob
>>
>> 73

>>
>> van
>>
>> wd8aam
>>
>>
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>>
>> At 13:07 12/12/2014, you wrote:
>>
>>
>>
>>
>> Need a 30 foot or so mast for my
>> G5RV antenna. Unfortunately, every place I see on the net wants 7 times
>> the cost of mast for shipping. Any ideas would be welcome. (By the way, I
>> have 2 top rails from a cyclone fence up now, but the winds in my area
>> have bent it.)
>>
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>> Dennis KA6YGR
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> --
> Geoff McAlpin, NM7V
> Seattle, WA
> CN87tr
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34967. Re: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 20:42:16 UTC
From: Rich Schmuke
Topic: 34954 Message: 34967

A small 30ft system is no problem. Here is a sketch of mine, it is now used as a support for my copper slim jim. I also have a simpler 40ft tilt in my album. Small tilt is at
http://i1102.photobucket.com/albums/g453/KD0ZZ/Tilt2.jpg
Larger 40ft tilt at
http://i1102.photobucket.com/albums/g453/KD0ZZ/TiltOverB.jpg
My Kd0zz album in photobucket has more pictures of the installations .
Every small town has a steel shop or two where you can get the pipe.

Rich, KdØzz

On Fri, Dec 12, 2014 at 1:07 PM, cabispop@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:
>
>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place
> I see on the net wants 7 times the cost of mast for shipping. Any ideas
> would be welcome. (By the way, I have 2 top rails from a cyclone fence up
> now, but the winds in my area have bent it.)
>
>
> Dennis KA6YGR
>
>
>

34968. Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 21:11:49 UTC
From: fconte@...
Topic: 34954 Message: 34968

Hi Dennis,

I just built a 34' mast out of 2, 1.5, 1.25 and 1" 10' sections of EMT that I got at Lowe's. I took a 4" pc of 1.5" pvc and quartered it after removing about 1/32" all around and attached them to the 1.5" emt to take up the space. I ended up with 34' because I used 24" overlap. The total cost was less than $60 which included some misc. hardware.

HTH

73's

Fred
KK4PSX

34969. Re: [ham-antennas] Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 21:22:14 UTC
From: Geoff McAlpin
Topic: 34954 Message: 34969

EMT, and any other conduit, is meant to bend. If winds bent his fence top rail mast, conduit sure won't hold up either.
On Dec 12, 2014 1:11 PM, "fconte@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> Hi Dennis,
>
> I just built a 34' mast out of 2, 1.5, 1.25 and 1" 10' sections of EMT
> that I got at Lowe's. I took a 4" pc of 1.5" pvc and quartered it after
> removing about 1/32" all around and attached them to the 1.5" emt to take
> up the space. I ended up with 34' because I used 24" overlap. The total
> cost was less than $60 which included some misc. hardware.
>
> HTH
>
> 73's
>
> Fred
> KK4PSX
>
>

34970. AW: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 21:28:46 UTC
From: siegfried jackstien
Topic: 34954 Message: 34970

Military camouflage net (tent) poles

They can be bough used for a few bucks

I can get those poles here for 2.5 euros each ... so for 30 feet I need just 20 euros (8 pieces with around 4 feet each equals 32 feet)

But these poles are somewhat flimsy if you go higher as that ... (a bit wobbling) so you need some guy wires for bigger height

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 12. Dezember 2014 19:08
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Antenna mast source?
>
>
>
> Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place
> I see on the net wants 7 times the cost of mast for shipping. Any ideas
> would be welcome. (By the way, I have 2 top rails from a cyclone fence up
> now, but the winds in my area have bent it.)
>
>
>
>
> Dennis KA6YGR
>
>

34971. RE: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-12 22:58:06 UTC
From: Scott Myers
Topic: 34954 Message: 34971

Is there any reason you can't do some Rohn 26G or equivalent? You can often find it super cheap used, but even new 30' isn't that expensive at $120 per stick. Every now and again around where I live, an XYL of a SK will let you take it for free if you'll simply take it down. I'll bet at 30' it won't even need guyed with the proper concrete on the base when you are only hanging a dipole on it. Then you'd be open to putting up a heavier dipole arrangement like a nice fan dipole that is truly resonant everywhere.

Just an idea for improving for the future, if you are allowed to do it where you live, which is the problem for many. I hope it isn't for you.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, December 12, 2014 2:08 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna mast source?

Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)

Dennis KA6YGR

34972. RE: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-13 03:45:22 UTC
From: Scott Myers
Topic: 34954 Message: 34972

typo - meant 25G

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, December 12, 2014 5:58 PM
To: ham-antennas@yahoogroups.com
Subject: RE: [ham-antennas] Antenna mast source?

Is there any reason you can't do some Rohn 26G or equivalent? You can often find it super cheap used, but even new 30' isn't that expensive at $120 per stick. Every now and again around where I live, an XYL of a SK will let you take it for free if you'll simply take it down. I'll bet at 30' it won't even need guyed with the proper concrete on the base when you are only hanging a dipole on it. Then you'd be open to putting up a heavier dipole arrangement like a nice fan dipole that is truly resonant everywhere.

Just an idea for improving for the future, if you are allowed to do it where you live, which is the problem for many. I hope it isn't for you.

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, December 12, 2014 2:08 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Antenna mast source?

Need a 30 foot or so mast for my G5RV antenna. Unfortunately, every place I see on the net wants 7 times the cost of mast for shipping. Any ideas would be welcome. (By the way, I have 2 top rails from a cyclone fence up now, but the winds in my area have bent it.)

Dennis KA6YGR

34973. Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-13 04:28:07 UTC
From: radioman@...
Topic: 34954 Message: 34973

All those postings are terrific, here's another:
Go to Cheapham.com and look under closeouts, their 43' will be available
this month at $125. It's a fiberglass telescoping mast that I believe has a radiator inside already.

Rich KC8HMJ

34974. Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-13 06:24:39 UTC
From: ac2gl@...
Topic: 34954 Message: 34974

I really like the idea of an 50-ft indoor mast! Then I won't have to worry about the weather.

On 12/12/2014 15:42, ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com wrote:
Channel Master Universal 50 ft. Indoor/Outdoor Telescoping
...
<http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor\
http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor%5C
-Outdoor-Telescoping-Mast-CM-1850/203763038>

73 Dave - AC2GL

34975. Re: [ham-antennas] Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-13 13:11:26 UTC
From: Myron WVØH
Topic: 34954 Message: 34975

The spec table claims 8-dB gain too! Also compatible with HD...

Myron WVØH
Printed on Recycled Data

> On Dec 12, 2014, at 11:24 PM, ac2gl@aol.com [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> I really like the idea of an 50-ft indoor mast! Then I won't have to worry about the
weather.
>
>
> On 12/12/2014 15:42, ham-antennas@yahoogroups.com wrote:
> Channel Master Universal 50 ft. Indoor/Outdoor Telescoping
> ...
> <http://www.homedepot.com/p/Channel-Master-Universal-50-ft-Indoor\
> -Outdoor-Telescoping-Mast-CM-1850/203763038>
>
>
> 73 Dave - AC2GL
>
>

34976. Re: AW: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-13 14:50:44 UTC
From: Al Kozakiewicz
Topic: 34954 Message: 34976

>Military camouflage net (tent) poles

>They can be bough used for a few bucks

>I can get those poles here for 2.5 euros each ... so for 30 feet I need just
>20 euros (8 pieces with around 4 feet each equals 32 feet)

>But these poles are somewhat flimsy if you go higher as that ... (a bit
>wobbling) so you need some guy wires for bigger height

>Dg9bfc

>Sigi

This is what, if I understood correctly, the original poster wanted to buy but was put off by the shipping costs. I think he's looking at it wrong.

I bought a bag of these fiberglass poles - 36' total, I think - for like $7 on eBay, but they cost $20 to ship. Still, $27 delivered to my door.

The alternatives mentioned will all cost more than that and they are not delivered.

Having tried it 8-(, I know you can't raise 30' of EMT or water pipe or PVC pipe in one piece - it will snap or bend under its own weight. The tent poles (or a telescoping mast) can be raised in chunks.

I support a K9AY on the aforementioned tent poles. I was able to raise it alone and it is guyed with some parachute cord and tent stakes driven into the lawn, It has survived several winters where we regularly get winds of 100km/H. I've lost two flag poles (snapped/bent) and a BBQ grill that blew off the deck before I got a chance to build the railings, but the tent poles have weathered all.

Al
AB2ZY

34977. AW: AW: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-14 00:55:26 UTC
From: siegfried jackstien
Topic: 34954 Message: 34977

Here they cost 36 euro in a bag of 10 included postage ... but the ebayseller where I found thenm is just 30-40 miles from me so I could pick them up direct from him (2.5 instead of 3.6 euro each) ... if you just need 10 ... then let them be delivered to your door (driving with the car 30 miles plus your time ... go figure) ...

I drove there with a ham-friend ... we bought 100 of them ... and so it was cheaper to pick them up

Dg9bfc

sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Samstag, 13. Dezember 2014 14:51
> An: ham-antennas@yahoogroups.com
> Betreff: Re: AW: [ham-antennas] Antenna mast source?
>
>
>
> >Military camouflage net (tent) poles
>
> >They can be bough used for a few bucks
>
> >I can get those poles here for 2.5 euros each ... so for 30 feet I need
> just
> >20 euros (8 pieces with around 4 feet each equals 32 feet)
>
> >But these poles are somewhat flimsy if you go higher as that ... (a bit
> >wobbling) so you need some guy wires for bigger height
>
> >Dg9bfc
>
> >Sigi
>
> This is what, if I understood correctly, the original poster wanted to buy
> but was put off by the shipping costs. I think he□s looking at it wrong.
>
>
>
> I bought a bag of these fiberglass poles □ 36□ total, I think □ for like
> $7 on eBay, but they cost $20 to ship. Still, $27 delivered to my door.
>
>

>
> The alternatives mentioned will all cost more than that and they are not
> delivered.
>
>
>
> Having tried it 8-(, I know you can□t raise 30□ of EMT or water pipe or
> PVC pipe in one piece □ it will snap or bend under its own weight. The
> tent poles (or a telescoping mast) can be raised in chunks.
>
>
>
> I support a K9AY on the aforementioned tent poles. I was able to raise it
> alone and it is guyed with some parachute cord and tent stakes driven into
> the lawn, It has survived several winters where we regularly get winds of
> 100km/H. I□ve lost two flag poles (snapped/bent) and a BBQ grill that
> blew off the deck before I got a chance to build the railings, but the
> tent poles have weathered all.
>
>
>
> Al
>
> AB2ZY
>
>

34978. Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-14 12:25:55 UTC
From: mveeneman@...
Topic: 34954 Message: 34978

But for indoor use, isn't a roofing filter required? Consider the extra expense before you act impulsively.

34979. Re: [ham-antennas] Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-14 13:16:25 UTC
From: Myron WVØH
Topic: 34954 Message: 34979

...and don't forget to use window line for any hope of radiating outside.

Myron WVØH
Printed on Recycled Data

> On Dec 14, 2014, at 5:25 AM, mveeneman@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> But for indoor use, isn't a roofing filter required? Consider the extra expense before you act impulsively.
>
>
>
>

34980. AW: [ham-antennas] Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-14 18:57:29 UTC
From: siegfried jackstien
Topic: 34954 Message: 34980

Window line is only used if you route the feedingline trough a window (hence the name) ... and roofing filter is only for antennas above the roof (hence its name) and not for indoor antennas

... don☐t forget to drop some snake oil on your rettysnitch :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Sonntag, 14. Dezember 2014 13:16
> An: ham-antennas@yahoogroups.com
> Betreff: Re: [ham-antennas] Re: Antenna mast source?
>
>
>
> ...and don't forget to use window line for any hope of radiating outside.
>
> Myron WVØH
> Printed on Recycled Data
>
> On Dec 14, 2014, at 5:25 AM, mveeneman@... [ham-antennas] <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
>
> But for indoor use, isn't a roofing filter required? Consider the
> extra expense before you act impulsively.
>
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>

34981. Re: [ham-antennas] Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-14 19:43:23 UTC
From: Todd F. Carney / K7TFC
Topic: 34954 Message: 34981

That is what a real stud would do.

73,

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
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(P
S
T)

On Sun, Dec 14, 2014 at 12:25 PM, mveeneman@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:
>
>
>
> But for indoor use, isn't a roofing filter required? Consider the extra
> expense before you act impulsively.
>
>
>
>

34982. Re: AW: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-15 02:38:36 UTC
From: Original Woodchuck
Topic: 34954 Message: 34982

On Sun, Dec 14, 2014 at 12:55:26AM -0000, 'siegfried jackstien' siegfried.jackstien@...
[ham-antennas] wrote:
> Here they cost 36 euro in a bag of 10 included postage ... but the
> ebayseller where I found thenm is just 30-40 miles from me so I could pick
> them up direct from him (2.5 instead of 3.6 euro each) ... if you just need
> 10 ... then let them be delivered to your door (driving with the car 30
> miles plus your time ... go figure) ...
>
> I drove there with a ham-friend ... we bought 100 of them ... and so it was
> cheaper to pick them up
>
> Dg9bfc
>
> sigi

Sometimes available from the same surplus vendors are the identical
product except made of aluminum. They can fit with the fiberglass ones.
This can lead to cleverness[*]. I suppose in Europa they are made of
aluminium instead, which has similar electrical properties.

A standard North American size of PVC plumbing pipe fits tightly over the
male end of the pole. (Too tightly, but a heatgun can encourage it.)
These can be used as insulators with the aluminum ones, or to provide
a convenient weak place for the mast/antenna to crack later.

[*] or madness. I sometimes muse about a vertical coaxial dipole array
for 2 meters made of alternating lengths of (trimmed) aluminum and
fiberglass poles. Maybe the phasing harness could be hidden inside.

Dave AB3NR

34983. AW: AW: [ham-antennas] Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-15 03:23:55 UTC
From: siegfried jackstien
Topic: 34954 Message: 34983

Yepp ... i could buy also the same sized poles but made from aluminium ...
from same seller (and also many other very interesting things ... grin)...
correct :-)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Montag, 15. Dezember 2014 02:39
> An: 'siegfried jackstien' siegfried.jackstien@... [ham-antennas]
> Betreff: Re: AW: [ham-antennas] Antenna mast source?
>
>
>
> On Sun, Dec 14, 2014 at 12:55:26AM -0000, 'siegfried jackstien'
> siegfried.jackstien@... [ham-antennas] wrote:
> > Here they cost 36 euro in a bag of 10 included postage ... but the
> > ebayseller where I found thenm is just 30-40 miles from me so I could
> pick
> > them up direct from him (2.5 instead of 3.6 euro each) ... if you just
> need
> > 10 ... then let them be delivered to your door (driving with the car 30
> > miles plus your time ... go figure) ...
> >
> > I drove there with a ham-friend ... we bought 100 of them ... and so it
> was
> > cheaper to pick them up
> >
> > Dg9bfc
> >
> > sigi
>
> Sometimes available from the same surplus vendors are the identical
> product except made of aluminum. They can fit with the fiberglass ones.
> This can lead to cleverness[*]. I suppose in Europa they are made of
> aluminium instead, which has similar electrical properties.
>
> A standard North American size of PVC plumbing pipe fits tightly over the
> male end of the pole. (Too tightly, but a heatgun can encourage it.)
> These can be used as insulators with the aluminum ones, or to provide
> a convenient weak place for the mast/antenna to crack later.
>
> [*] or madness. I sometimes muse about a vertical coaxial dipole array
> for 2 meters made of alternating lengths of (trimmed) aluminum and

> fiberglass poles. Maybe the phasing harness could be hidden inside.
>
> Dave AB3NR
>
>
>

34984. To: ham antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-16 06:50:16 UTC
From: Dave Patrick
Topic: 34984 Message: 34984

http://www.i2m-informatique.com/ddt/lqilkhiwfsnprbxwkwrgfpawirjgpusbnzvf.gqjnjksrjvfnasdi

Dave Patrick

34985. RE: [ham-antennas] To: ham antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-16 06:36:02 UTC
From: Joe Wolfe
Topic: 34984 Message: 34985

Bogus..don’t bother with this one!

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 15, 2014 10:50 PM
To: ham antennas; Cath Dalton
Subject: [ham-antennas] To: ham antennas

□

34986. Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 04:17:22 UTC
From: Joe
Topic: 34986 Message: 34986
Attachments: 2 described; binary payloads are missing from this source WARC

I had some of this back in the 70's, It was a larger than usual 300 ohm twin lead for VHF / UHF Television use. Because the typical pair of wires were also surrounded by a foil shield. Thus making it able to run anywhere just like a coax run. I found some online and it is described as such,,

100 feet of BELDEN "CITY COLOR" SHIELDED TWIN LEAD TV WIRE. Two 26 AWG 7x34 stranded copper-covered steel conductors with Beldfoil shield. Recommended for television VHF-UHF-FM use in high interference metro areas. 5 lbs sh.
$10.00 each

In trying to get more details about this stuff again, I contacted BELDEN, and even talked to a tech rep that says they have worked for BELDEN since the 60's and BELDEN has never made such a product. I told her that I used it in the 70's and even gave her the surplus site that is selling it, and she insists still that BELDEN never made anything like this.

I found a patent for something like it. but to me the loss chart seems all messed up and backwards.

The losses seem crazy HIGH for what should be the least lossy configuration.

BUT..... Does anyone have any real data on this stuff? Here is the patent.

Joe
--
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com

34987. Re: [ham-antennas] Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 04:39:11 UTC
From: KA4INM radio
Topic: 34986 Message: 34987

On 12/16/14 23:17, Joe nss@... [ham-antennas] wrote:

/* snip /*
> In trying to get more details about this stuff again, I contacted
> BELDEN, and even talked to a tech rep that says they have worked for
> BELDEN since the 60's and BELDEN has never made such a product. I told
> her that I used it in the 70's and even gave her the surplus site that
> is selling it, and she insists still that BELDEN never made anything
> like this.

> I found a patent for something like it. but to me the loss chart seems
> all messed up and backwards.

> The losses seem crazy HIGH for what should be the least lossy configuration.

> BUT..... Does anyone have any real data on this stuff? Here
> is the patent.

The patent was assigned to the "BELDEN manufacturing Company,"
Chicago. I think you know more about it than that "customer service
engineer."
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

34988. Re: [ham-antennas] Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 05:05:31 UTC
From: Geoff McAlpin
Topic: 34986 Message: 34988

That chart is crazy but, if I'm reading it correctly, the first number in the vertical axis is the % of signal remaining (as it says) and the second number, in the parentheses, is the dB loss per 100ft as a standard attenuation chart is, just reversed as you mentioned.

On Tuesday, December 16, 2014, Joe nss@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> I had some of this back in the 70's, It was a larger than usual 300 ohm
> twin lead for VHF / UHF Television use. Because the typical pair of wires
> were also surrounded by a foil shield. Thus making it able to run anywhere
> just like a coax run. I found some online and it is described as such,,
>
> 100 feet of BELDEN "CITY COLOR" SHIELDED TWIN LEAD TV WIRE. Two 26 AWG
> 7x34 stranded copper-covered steel conductors with Beldfoil shield.
> Recommended for television VHF-UHF-FM use in high interference metro areas.
> 5 lbs sh.
> $10.00 each
>
> In trying to get more details about this stuff again, I contacted BELDEN,
> and even talked to a tech rep that says they have worked for BELDEN since
> the 60's and BELDEN has never made such a product. I told her that I used
> it in the 70's and even gave her the surplus site that is selling it, and
> she insists still that BELDEN never made anything like this.
>
> I found a patent for something like it. but to me the loss chart seems all
> messed up and backwards.
>
> The losses seem crazy HIGH for what should be the least lossy
> configuration.
>
> BUT..... Does anyone have any real data on this stuff? Here is
> the patent.
> ----------
>
>
> Joe
> --
>
> The Original Rolling Ball Clock
> Idle Tyme
> Idle-Tyme.com
> http://www.idle-tyme.com

>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

[Non-text portions of this message have been removed]

34989. Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 09:01:16 UTC
From: i7swx@...
Topic: 34986 Message: 34989

Hi All,

interesting info on shielded tween 300 ohm TV line. In the second alf of 50s, when in Italy TV started up, we were using tween 300 ohm wire, as it had lower attenuation versus coax cables and was cheaper. On sea side areas this type of fedd line was increasing attenuation due to salt deposit on it. My father, previously I1SWX, was cutting oval or dound holes along the external length of cable to reduce salt attenuation.
Later some ables manufacturers produced a 300 ohm line with a thick foam type of insulation to reduce salt effect. Maybe the copper screen was applied to reduce interferences and salt deposit problem.

There is always something to learn from the past.

73

Gian
I7SWX

34990. Re: [ham-antennas] Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 09:50:06 UTC
From: Will
Topic: 34986 Message: 34990

Lookup IBM twinax. It is a type of shielded twin conductor with screen.

It's been around for 30 plus years. There are connectors for it. I
don't know its impedance.

Cheers,
Will,
ZL1TAO

On 17/12/14 22:01, i7swx@... [ham-antennas] wrote:
>
>
> Hi All,
>
> interesting info on shielded tween 300 ohm TV line. In the second alf of
> 50s, when in Italy TV started up, we were using tween 300 ohm wire, as
> it had lower attenuation versus coax cables and was cheaper. On sea side
> areas this type of fedd line was increasing attenuation due to salt
> deposit on it. My father, previously I1SWX, was cutting oval or dound
> holes along the external length of cable to reduce salt attenuation.
> Later some ables manufacturers produced a 300 ohm line with a thick foam
> type of insulation to reduce salt effect. Maybe the copper screen was
> applied to reduce interferences and salt deposit problem.
>
> There is always something to learn from the past.
>
> 73
>
> Gian
> I7SWX
>
>
>

34991. Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 13:22:41 UTC
From: mwallred@...
Topic: 34986 Message: 34991

That's funny. I bought a roll of new old stock Belden cable a year or so ago that was labeled with a variation of a very common Belden product number. In the process of trying to get specs on it I called Belden and talked to a woman tech rep that said she had worked there since the 60's and gave me the same sort of story about the cable I was asking about. Apparently, they made a lot of different cables that they never really made.

Everybody needs a hobby, I guess that's hers.

Marty
AG3EK

---In ham-antennas@yahoogroups.com, <nss@mwt.net> wrote :

<snip>

In trying to get more details about this stuff again, I contacted BELDEN, and even talked to a tech rep that says they have worked for BELDEN since the 60's and BELDEN has never made such a product. I told her that I used it in the 70's and even gave her the surplus site that is selling it, and she insists still that BELDEN never made anything like this.

Joe

34992. Re: [ham-antennas] Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 13:42:58 UTC
From: Joe
Topic: 34986 Message: 34992
Attachments: 1 described; binary payloads are missing from this source WARC

was it? Marilyn Field

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/17/2014 7:22 AM, mwallred@... [ham-antennas] wrote:
>
>
> That's funny. I bought a roll of new old stock Belden cable a year or
> so ago that was labeled with a variation of a very common Belden
> product number. In the process of trying to get specs on it I called
> Belden and talked to a woman tech rep that said she had worked there
> since the 60's and gave me the same sort of story about the cable I
> was asking about. Apparently, they made a lot of different cables that
> they never really made.
>
> Everybody needs a hobby, I guess that's hers.
>
> Marty
> AG3EK
>
> ---In ham-antennas@yahoogroups.com, <nss@...> wrote :
>
> <snip>
>
> In trying to get more details about this stuff again, I contacted
> BELDEN, and even talked to a tech rep that says they have worked for
> BELDEN since the 60's and BELDEN has never made such a product. I
> told her that I used it in the 70's and even gave her the surplus site
> that is selling it, and she insists still that BELDEN never made
> anything like this.
>
> Joe
>
>
>
>

34993. Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 15:17:41 UTC
From: soona4sail@...
Topic: 34986 Message: 34993

Be cautious when using the older TV/VHF.300 ohm twin lead. First of all, it was usually very light wire (26AWG and smaller) and was designed to be held to TV masts, or whatever, with stand off insulators. Any kind of slack in the twin lead, would result in whipping in the wind, and would break the wire inside the insulation.

It was designed to carry microvolts, NOT the higher wattages put out by amateur XCVRS. QRP maybe, but I certainly would never risk my equipment on something so cheap and flimsy.

With that said, 300 ohm window line is readily available, in heavier stranded wire guages, and works fine where a balanced feedline is required.

Merry Christmas, Happy New Year

34994. Re: [ham-antennas] Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 15:49:11 UTC
From: Joe
Topic: 34986 Message: 34994
Attachments: 1 described; binary payloads are missing from this source WARC

I ran Legal limit 1500 out on this stuff all the time. with high SWR's too it fed a loop.

And regular you can not run in conduit, run along ductwork, bury even if you wanted to.

This stuff you can.

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/17/2014 9:17 AM, soona4sail@... [ham-antennas] wrote:
>
>
> Be cautious when using the older TV/VHF.300 ohm twin lead. First of
> all, it was usually very light wire (26AWG and smaller) and was
> designed to be held to TV masts, or whatever, with stand off
> insulators. Any kind of slack in the twin lead, would result in
> whipping in the wind, and would break the wire inside the insulation.
>
> It was designed to carry microvolts, NOT the higher wattages put out
> by amateur XCVRS. QRP maybe, but I certainly would never risk my
> equipment on something so cheap and flimsy.
>
> With that said, 300 ohm window line is readily available, in heavier
> stranded wire guages, and works fine where a balanced feedline is
> required.
>
> Merry Christmas, Happy New Year
>
>
>

34995. Re: [ham-antennas] Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 18:15:31 UTC
From: Andy
Topic: 34986 Message: 34995

A few thoughts....

Maybe that graph shows the loss through the shield; i.e., crosstalk to/from external signals. It makes sense that they want to show you that, since the whole point of the cable (and the patent) is the fact that it is shielded, and so the shielding effectiveness is what they would want to highlight.

But the vertical axis scale is puzzling.

One of the inventors has an unfortunate name! (It reminds me of Professor "I. Lirpa" who used to write for Audio Magazine only for their April issues.)

If you take ordinary 300 ohm twinlead and wrap it with a shield, the impedance goes down. To keep the impedance up there, the wires need to be further apart, and/or thinner. Thinner could mean more breakable, and more lossy. That was the first thing I thought of when you mentioned shielded 300 ohm twinlead.

I have heard of Twinax for a very long time. I think most of it is around 100 ohms, let's say 50 to 150 ohms. That seems to be the target range for most data comms.

Is it possible Belden designed and manufactured this cable, but as an OEM and sold it only to a customer who re-packaged it? Or that it sold only overseas? That might explain why Belden thinks they never had such a product.

Andy

34996. Re: [ham-antennas] Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 18:24:25 UTC
From: Andy
Topic: 34986 Message: 34996

I wrote "Maybe that graph shows the loss through the shield".

No, the graph is showing signal transmission (1/loss) for regular signals. Regular flat twinlead has very high loss (bottom of the graph). I think the patent text is saying it is measured in an environment where the twinlead has contaminated water on its surface; hence the very high loss (low transmission) for regular twinlead.

Andy

34997. Re: Antenna mast source?

Yahoo group: ham-antennas (2014)
Date: 2014-12-17 22:27:05 UTC
From: kk4ixe@...
Topic: 34954 Message: 34997

I have a 35 foot mast made of 2" PVC; I used for tie off points two 4 11/16" square electrical covers and punched 2" holes in the center which allowed them to slide over the PVC; I took metal quick links for chain and put through the screw holes for tie down rope; at the top I placed a long sweep 90 with an eye bolt for a hoist rope. Set in the ground and fasten to the eve of the house and tie off at 20 and 30 feet and it serves as a none conductive antenna mast that works for G5RV and OCF dipole as well.

kk4ixe
Terry

34998. Re: [ham-antennas] Re: Shielded 300 Ohm Twinlead

Yahoo group: ham-antennas (2014)
Date: 2014-12-18 13:22:48 UTC
From: mwallred@...
Topic: 34986 Message: 34998

It was about a year ago and I'm not sure if I even got her name at the time. I'm guessing it's the same person.

Marty
AG3EK

---In ham-antennas@yahoogroups.com, <nss@mwt.net> wrote :

was it? Marilyn Field

Joe WB9SBD

The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com http://www.idle-tyme.com

On 12/17/2014 7:22 AM, mwallred@yahoo.com mailto:mwallred@yahoo.com [ham-antennas] wrote:

That's funny. I bought a roll of new old stock Belden cable a year or so ago that was labeled with a variation of a very common Belden product number. In the process of trying to get specs on it I called Belden and talked to a woman tech rep that said she had worked there since the 60's and gave me the same sort of story about the cable I was asking about. Apparently, they made a lot of different cables that they never really made.

Everybody needs a hobby, I guess that's hers.

Marty
AG3EK

---In ham-antennas@yahoogroups.com mailto:ham-antennas@yahoogroups.com, <nss@mwt.net> mailto:nss@mwt.net wrote :

<snip>

In trying to get more details about this stuff again, I contacted BELDEN, and even talked to a tech rep that says they have worked for BELDEN since the 60's and BELDEN has never made such a product. I told her that I used it in the 70's and even gave her the surplus site that is selling it, and she insists still that BELDEN never made anything like this.

Joe

34999. Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 13:37:08 UTC
From: ad_prasad@...
Topic: 34999 Message: 34999

Has anyone tried making a multi-band dipole using two steel tape measures? I am toying with the idea. Any suggestions or past experiences or pit falls?

73
AB3EH Prasad

35000. Re: Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 15:36:56 UTC
From: soona4sail@...
Topic: 34999 Message: 35000

Hi Lots of plans for tape measure antennas on the internet. They have been around for a long time. Many amateurs also use the geared motors from defunct cordless power tools, like drills etc. The motors are geared and have great torque

Good luck.

35001. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 15:53:40 UTC
From: Andy
Topic: 34999 Message: 35001

"Has anyone tried making a multi-band dipole using two steel tape measures?"

Yes, I have seen it done occasionally. But have seen only little about it on the Internet. There is more about tape measure VHF dipoles, which are not the same thing.

I assume by "multi-band" you mean changing the tape lengths to change bands, right?

"Any suggestions or past experiences or pit falls?"

I haven't tried it myself, so this isn't speaking from experience. But you might need to think about the coiled up part of the tape measures. If you put them at the far ends of the dipole, they probably add a little end-loading (capacitive loading), which can be useful. If you put them at the feedpoint ends, then make sure to contact the tape where it comes out of the enclosure, or you might be feeding the legs through an unknown and unstable amount of inductance.

The longest tape measure I have is 30 feet, which ought to be good down to about 30 meters (or somewhat longer if not restricted to the amateur bands). I've seen much longer tapes.

Tape measures use steel, which isn't the best electrical conductor, but it's OK enough. I don't think its magnetic properties make any difference.

Andy

35002. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 16:37:33 UTC
From: Rfnut
Topic: 34999 Message: 35002

I actually found a DIPOLE like this at a ham fest. It was Military surplus had a type N connector built into the chassis. Measurement written on the back for different freqs. Pull the tape measure out to specified length and booom instant dipole. Unfortunately I didn't buy it. Kick myself every-time I think of it. There are lots of plans out there for making them on the interweb!!

On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

"Has anyone tried making a multi-band dipole using two steel tape measures?"
Yes, I have seen it done occasionally. But have seen only little about it on the Internet. There is more about tape measure VHF dipoles, which are not the same thing.
I assume by "multi-band" you mean changing the tape lengths to change bands, right?

"Any suggestions or past experiences or pit falls?"
I haven't tried it myself, so this isn't speaking from experience. But you might need to think about the coiled up part of the tape measures. If you put them at the far ends of the dipole, they probably add a little end-loading (capacitive loading), which can be useful. If you put them at the feedpoint ends, then make sure to contact the tape where it comes out of the enclosure, or you might be feeding the legs through an unknown and unstable amount of inductance.
The longest tape measure I have is 30 feet, which ought to be good down to about 30 meters (or somewhat longer if not restricted to the amateur bands). I've seen much longer tapes.
Tape measures use steel, which isn't the best electrical conductor, but it's OK enough. I don't think its magnetic properties make any difference.
Andy

35003. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 16:44:57 UTC
From: NICK LERRO
Topic: 34999 Message: 35003

During Vietnam we used a tape measure antenna for comm and fire missions it seemed to well for what it was intended for

From: mailto:ham-antennas@yahoogroups.com
Sent: Friday, December 19, 2014 11:37 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Tape measure HF multi-band dipole antenna

I actually found a DIPOLE like this at a ham fest. It was Military surplus had a type N connector built into the chassis. Measurement written on the back for different freqs. Pull the tape measure out to specified length and booom instant dipole. Unfortunately I didn't buy it. Kick myself every-time I think of it. There are lots of plans out there for making them on the interweb!!

On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

"Has anyone tried making a multi-band dipole using two steel tape measures?"

Yes, I have seen it done occasionally. But have seen only little about it on the Internet. There is more about tape measure VHF dipoles, which are not the same thing.

I assume by "multi-band" you mean changing the tape lengths to change bands, right?

"Any suggestions or past experiences or pit falls?"

I haven't tried it myself, so this isn't speaking from experience. But you might need to think about the coiled up part of the tape measures. If you put them at the far ends of the dipole, they probably add a little end-loading (capacitive loading), which can be useful. If you put them at the feedpoint ends, then make sure to contact the tape where it comes out of the enclosure, or you might be feeding the legs through an unknown and unstable amount of inductance.

The longest tape measure I have is 30 feet, which ought to be good down to about 30 meters (or somewhat longer if not restricted to the amateur bands). I've seen much longer tapes.

Tape measures use steel, which isn't the best electrical conductor, but it's OK enough. I don't think its magnetic properties make any difference.

Andy

35004. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 16:46:27 UTC
From: Geoff McAlpin
Topic: 34999 Message: 35004

I once saw a homebrew steppir big IR clone write-up in the internet that used a tape measure. Wish I could remember where I saw it.
On Dec 19, 2014 8:37 AM, "Rfnut rfnut2001@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> I actually found a DIPOLE like this at a ham fest. It was Military surplus
> had a type N connector built into the chassis. Measurement written on the
> back for different freqs. Pull the tape measure out to specified length
> and booom instant dipole. Unfortunately I didn't buy it. Kick myself
> every-time I think of it. There are lots of plans out there for making them
> on the interweb!!
>
>
> On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> "Has anyone tried making a multi-band dipole using two steel tape
> measures?"
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> Yes, I have seen it done occasionally. But have seen only little about it
> on the Internet. There is more about tape measure VHF dipoles, which are
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> bands, right?
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> "Any suggestions or past experiences or pit falls?"
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> you might need to think about the coiled up part of the tape measures. If
> you put them at the far ends of the dipole, they probably add a little
> end-loading (capacitive loading), which can be useful. If you put them at
> the feedpoint ends, then make sure to contact the tape where it comes out
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> about 30 meters (or somewhat longer if not restricted to the amateur
> bands). I've seen much longer tapes.
>
> Tape measures use steel, which isn't the best electrical conductor, but

> it's OK enough. I don't think its magnetic properties make any difference.
>
> Andy
>
>
>
>
>
>

35005. AW: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 18:32:29 UTC
From: siegfried jackstien
Topic: 34999 Message: 35005

Yepp ... i have also seen that page in the net (and i am also as bad as you in remembering where ... grin)

But if you have seen that then you know how it works

A tape measure sliding up and down in a tubing (pulled up with a gearmotor and a rope)

....

If I remember right there was also a similar thing as a military antenna ... pull out the needed length and youre set ... on the tape there were the frequencies printed instead of inches (or cm)

(needs to bee stainless and no paint on the coils so they short circuit the unused length)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 19. Dezember 2014 16:46
> An: ham-antennas@...m
> Betreff: Re: [ham-antennas] Tape measure HF multi-band dipole antenna
>
>
>
> I once saw a homebrew steppir big IR clone write-up in the internet that
> used a tape measure. Wish I could remember where I saw it.
>
> On Dec 19, 2014 8:37 AM, "Rfnut rfnut2001@... [ham-antennas]" <ham-
> antennas@yahoogroups.com> wrote:
>
>
>
>
>
>
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> myself every-time I think of it. There are lots of plans out there for
> making them on the interweb!!
>

>
> On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@...
> [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
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> "Has anyone tried making a multi-band dipole using two steel tape
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> "Any suggestions or past experiences or pit falls?"
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> Tape measures use steel, which isn't the best electrical conductor,
> but it's OK enough. I don't think its magnetic properties make any
> difference.
>
> Andy
>
>
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>
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>

35006. Re: Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 19:10:57 UTC
From: peten2mci@...
Topic: 34999 Message: 35006

Re-Inventing the Tape Dipole http://www.eham.net/articles/5523/

http://www.eham.net/articles/5523/

Re-Inventing the Tape Dipole http://www.eham.net/articles/5523/ Re-Inventing the Tape Dipole Ulrich H. Steinberg (N2DE) ...

View on www.eham.net http://www.eham.net/articles/5523/
Preview by Yahoo

This one looks interesting..

-73, Pete N2MCI

35007. Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 20:11:07 UTC
From: cabispop@...
Topic: 35007 Message: 35007

Is there any problem of using rg-58 to wrap the balun and connecting it to rg-8x feed line? Thanks for any thoughts on the subject. 73's

Dennis KA6YGR

35008. AW: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 20:22:49 UTC
From: siegfried jackstien
Topic: 35007 Message: 35008

That should work fine (if you do not run legal limit)

Dg9bfc

Sigi

> -----Ursprüngliche Nachricht-----
> Von: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
> Gesendet: Freitag, 19. Dezember 2014 20:11
> An: ham-antennas@yahoogroups.com
> Betreff: [ham-antennas] Ugly balun
>
>
>
> Is there any problem of using rg-58 to wrap the balun and connecting it to
> rg-8x feed line? Thanks for any thoughts on the subject. 73's
>
> Dennis KA6YGR
>
>

35009. Re: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 20:28:20 UTC
From: Bob Harmon
Topic: 35007 Message: 35009

RG58 will do fine. Both RG58 and RG8X are 50 ohms impedance. RG8X just has a higher power rating.

Bob
K6UJ

Sent from my iPhone

> On Dec 19, 2014, at 12:11 PM, cabispop@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Is there any problem of using rg-58 to wrap the balun and connecting it to rg-8x feed line? Thanks for any thoughts on the subject. 73's
>
>
> Dennis KA6YGR
>

35010. Re: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 20:30:26 UTC
From: Todd F. Carney / K7TFC
Topic: 35007 Message: 35010

On Fri, Dec 19, 2014 at 8:11 PM, cabispop@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:
>
> Is there any problem of using rg-58 to wrap the balun and connecting it to
> rg-8x feed line?
>
Both are nominally 50 ohms impedance. 8X has a larger center conductor,
lower-loss dielectric, and better shielding than 58. Assuming power
handling is not an issue, the biggest difference between using one or the
other is that by making the balun of one and the rest of the feedline of
another you'd need at least one additional coax connector pair (and its
associated issues--corrosion, water ingress, etc., to hook it all up. If
you stuck with *either* 58 or 8X, you could use one continuous length of
coax from the feedpoint to the shack, winding the ugly balun along the way
(usually near the feedpoint).

```
Coax connectors are always problematic and it's worthwhile to minimize
their use. Also, if you don't have either yet, pay a few more dollars for
8X. It's better stuff.

73,
```

Todd

K7TFC / Medford, Oregon, USA / CN82ni / UTC-
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35011. Re: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 21:55:58 UTC
From: Don Sanders
Topic: 35007 Message: 35011

No if you run less than 200 watts. The RG 58 is for low power with high SWR.

Dr. Don W4BWS

On Fri, Dec 19, 2014 at 3:11 PM, cabispop@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:
>
>
>
> Is there any problem of using rg-58 to wrap the balun and connecting it to
> rg-8x feed line? Thanks for any thoughts on the subject. 73's
>
> Dennis KA6YGR
>
>
>

35012. Re: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 22:07:35 UTC
From: Mel Farrer
Topic: 35007 Message: 35012

Well, if size is the issue on the balun and you do want to run higher power use RG-303 or RG-142. Both about the same size as 58 but with a much higher power rating.
Mel, K6KBE

From: "Don Sanders w4bws1@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 19, 2014 1:55 PM
Subject: Re: [ham-antennas] Ugly balun

No if you run less than 200 watts. The RG 58 is for low power with high SWR.
Dr. Don W4BWS
On Fri, Dec 19, 2014 at 3:11 PM, cabispop@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
Is there any problem of using rg-58 to wrap the balun and connecting it to rg-8x feed line? Thanks for any thoughts on the subject. 73's
Dennis KA6YGR

35013. Re: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-19 23:48:16 UTC
From: Rich Schmuke
Topic: 35007 Message: 35013

No problem all. I do it all the time or RG-8x to RG-8.

Rich, KdØzz

On Fri, Dec 19, 2014 at 2:11 PM, cabispop@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> Is there any problem of using rg-58 to wrap the balun and connecting it to
> rg-8x feed line? Thanks for any thoughts on the subject. 73's
>
> Dennis KA6YGR
>
>
>

35014. Re: [ham-antennas] Re: Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-20 02:53:28 UTC
From: Alex
Topic: 34999 Message: 35014

Collins Radio had a version of this originally for military tactical comm use. From memory, the tape was a phosphor bronze alloy not stainless steel.

From: "peten2mci@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 19, 2014 11:10 AM
Subject: [ham-antennas] Re: Tape measure HF multi-band dipole antenna

<!--#yiv1586936581 #yiv1586936581 .yiv1586936581ygrp-photo-title{clear:both;font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv1586936581 div.yiv1586936581ygrp-photo{background-position:center;background-repeat:no-repeat;background-color:white;border:1px solid black;height:62px;width:62px;}#yiv1586936581 div.yiv1586936581photo-title a, #yiv1586936581 div.yiv1586936581photo-title a:active, #yiv1586936581 div.yiv1586936581photo-title a:hover, #yiv1586936581 div.yiv1586936581photo-title a:visited {text-decoration:none;}#yiv1586936581 div.yiv1586936581attach-table div.yiv1586936581attach-row {clear:both;}#yiv1586936581 div.yiv1586936581attach-table div.yiv1586936581attach-row div {float:left;}#yiv1586936581 p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv1586936581 div.yiv1586936581ygrp-file {width:30px;}#yiv1586936581 div.yiv1586936581attach-table div.yiv1586936581attach-row div div a {text-decoration:none;}#yiv1586936581 div.yiv1586936581attach-table div.yiv1586936581attach-row div div span {font-weight:normal;}#yiv1586936581 div.yiv1586936581ygrp-file-title {font-weight:bold;}#yiv1586936581 --> <!--#yiv1586936581 #yiv1586936581ygrp-mkp {border:1px solid #d8d8d8;font-family:Arial;margin:10px 0;padding:0 10px;}#yiv1586936581 #yiv1586936581ygrp-mkp hr {border:1px solid #d8d8d8;}#yiv1586936581 #yiv1586936581ygrp-mkp #yiv1586936581hd {color:#628c2a;font-size:85%;font-weight:700;line-height:122%;margin:10px 0;}#yiv1586936581 #yiv1586936581ygrp-mkp #yiv1586936581ads {margin-bottom:10px;}#yiv1586936581 #yiv1586936581ygrp-mkp .yiv1586936581ad {padding:0 0;}#yiv1586936581 #yiv1586936581ygrp-mkp .yiv1586936581ad p {margin:0;}#yiv1586936581 #yiv1586936581ygrp-mkp .yiv1586936581ad a {color:#0000ff;text-decoration:none;}-->

Re-Inventing the Tape Dipole
| |
| | | | Re-Inventing the Tape Dipole Re-Inventing the Tape Dipole Ulrich H. Steinberg (N2DE) ... | |
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| |

 This one looks interesting..

-73, Pete N2MCI

35015. Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-20 16:17:41 UTC
From: wa2lul@...
Topic: 35007 Message: 35015

In theory it will work fine. In practice it could become problematic over time.

Depending upon the dielectric used, over time the center conductor will migrate over time toward the center axis of the balun (unun) changing the characteristic impedance of the cable used.

David, W2DZ

35016. Simplified UHF antenna test setup...

Yahoo group: ham-antennas (2014)
Date: 2014-12-20 16:48:17 UTC
From: Ray, W4BYG
Topic: 35016 Message: 35016

For a local club project we are going to build a UHF beam and set up a rather simple UHF test range made up (in Ham style manner... cheap), with available assets that we can cobble up.

At the risk of garnering all kinds of "nay saying", I would like to outline my thinking and ask for helpful ideas that would contribute to making the project useful and informative for the club, many of which are fairly inexperienced hams.

Background:
I grew up professionally in the CATV industry and have over 50 years of professional as well as amateur radio antenna experience. I have also over the years, constructed and tested from scratch, high gain broadcast UHF TV slot antennas, as well as numerous other forms of TV broadcast and amateur antennas. In many of those situations I had sophisticated and expensive test equipment to utilize, but no more... That said:

In general:
We would like to build a fair sized UHF (440 MHz) beam for testing... as well as two well matched dipoles for reference.
We do not have a suitable UHF receiver with an AGC that can be defeated, or a converter to bring the test signals down to HF, or a spectrum analyzer.
We do have several UHF FM transceivers which could be used as a fairly stable signal source.
We can accomplish the necessary matching for the antennas.
We are aware of the reflection variations that can occur on a short antenna range and how to minimize some of that.
We are aware of the need to measure and test in the far field zone.
We would like to keep the construction emphasis on the antenna performances and not complex or expensive electronics. We believe this can be done with available sources and a fairly simple detector. I do have a lab quality 75 ohm attenuator which would be the key to our characterizing antenna gain and front to back.

More specifically:
Given that we would use an existing FM transmitter for the source, for detection, we would like to build up a simple, but 75 ohm input matched diode field strength meter.

The receiving system would consist of a 75 ohm dipole mounted on a 12' telescoping light stand. This would be then connected to the 75 ohm attenuator with a short length of RG59, which in turn would be connected to a 75 ohm link coupled 440MHz tuned circuit , feeding the passive 50 micro amp FS meter.

We are aware of the non-linearity for typical diode FS strength meters. However it is our intuition that this can be overcome by sampling a test signal from the transmit dipole to the receiver dipole, with sufficient energy to get a reading in the upper scale of the FS meter.

Given _that_ reading for a reference, we would then energize the beam antenna with the same source, at the same distance and elevation and engage the attenuator sufficient to match the identical meter reading on the FS meter. In theory, that should give a fairly reliable indication of the tested antenna performance, as well as illustrate to the club some of the details and processes in considering antenna performance.

We would appreciate any contribution others may be able to make, which would help insure the project as outlined, is useful and informative for the club.

Any suggestions into building the 440 MHz matching input to the FS meter would be helpful.

We would like to keep the electronics as simple as possible, so as to not get side tracked into distractive complexities.

Anyone else "been there and done that" or have similar experience which would be helpful?

Your attention and useful assistance is appreciated.
Ray, W4BYG

--
Wise men still seek Him...

35017. Re: [ham-antennas] Simplified UHF antenna test setup...

Yahoo group: ham-antennas (2014)
Date: 2014-12-20 20:22:43 UTC
From: Mel Farrer
Topic: 35016 Message: 35017

Interesting project, Several comments that might help. In the past decades the West Coast and Central VHF Society conducted antenna gain contests. They used source antennas for reference that were unidirectional, eliminating the possibility of reflections that could inject errors from High gain Tx antennas. Second, if you do not have a non AGC receiver then I would suggest a matched band pass filter to limit unwanted signals again injecting possible errors and a MAR device to provide tuned gain for the detector. Lastly, the ground reflections from even modest gain antennas is a concern. Usually the antennas are stationed a considerable height differences with the source antenna arranged so that no ground reflections are present. In some cases we put the source antenna on top of a two story building or tall wood ladder and the receiving test antenna pointing up and at an angle to the roof line to eliminate as much as possible reflections. In other words, source signal at the dipole and test antenna on the receiving side,

Just some thoughts.
Mel, K6KBE

From: "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 20, 2014 8:48 AM
Subject: [ham-antennas] Simplified UHF antenna test setup...

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Your attention and useful assistance is appreciated.
Ray, W4BYG

--
Wise men still seek Him...

35018. Re: [ham-antennas] Simplified UHF antenna test setup...

Yahoo group: ham-antennas (2014)
Date: 2014-12-20 21:22:35 UTC
From: Stan Labinsky Jr.
Topic: 35016 Message: 35018

Many years ago, QST had a Hints n Tips article which suggested that you could nullify ground reflections if you turned both antennas on their sides. Obviously we're talking about VHF and above.

I've used that method to test the vertical takeoff angle of many mobile antennas I've used, even built a hardware cloth ground screen with an antenna mount in the middle to simulate a vehicle roof. Found some interesting behaviors, even told one commercial company about how poorly their shorty dual band antenna's elevation pattern was. They didn't argue, just sent me a "sample" of the next one up, a dual 5/8ths wave guy... no questions asked.

So,I guess it does work.

Stan

From: mailto:ham-antennas@yahoogroups.com
Sent: Saturday, December 20, 2014 3:22 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Simplified UHF antenna test setup...

Interesting project, Several comments that might help. In the past decades the West Coast and Central VHF Society conducted antenna gain contests. They used source antennas for reference that were unidirectional, eliminating the possibility of reflections that could inject errors from High gain Tx antennas. Second, if you do not have a non AGC receiver then I would suggest a matched band pass filter to limit unwanted signals again injecting possible errors and a MAR device to provide tuned gain for the detector. Lastly, the ground reflections from even modest gain antennas is a concern. Usually the antennas are stationed a considerable height differences with the source antenna arranged so that no ground reflections are present. In some cases we put the source antenna on top of a two story building or tall wood ladder and the receiving test antenna pointing up and at an angle to the roof line to eliminate as much as possible reflections. In other words, source signal at the dipole and test antenna on the receiving side,

Just some thoughts.

Mel, K6KBE

From: "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Saturday, December 20, 2014 8:48 AM
Subject: [ham-antennas] Simplified UHF antenna test setup...

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We are aware of the need to measure and test in the far field zone.
We would like to keep the construction emphasis on the antenna performances and not complex or expensive electronics. We believe this can be done with available sources and a fairly simple detector. I do have a lab quality 75 ohm attenuator which would be the key to our characterizing antenna gain and front to back.

More specifically:
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The receiving system would consist of a 75 ohm dipole mounted on a 12' telescoping light stand. This would be then connected to the 75 ohm attenuator with a short length of RG59, which in turn would be connected to a 75 ohm link coupled 440MHz tuned circuit , feeding the passive 50 micro amp FS meter.

We are aware of the non-linearity for typical diode FS strength meters. However it is our intuition that this can be overcome by sampling a test signal from the transmit dipole to the receiver dipole, with sufficient energy to get a reading in the upper scale of the FS meter.

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Any suggestions into building the 440 MHz matching input to the FS meter would be helpful.

We would like to keep the electronics as simple as possible, so as to not get side tracked into distractive complexities.

Anyone else "been there and done that" or have similar experience which would be helpful?

Your attention and useful assistance is appreciated.
Ray, W4BYG

--
Wise men still seek Him...

35019. Re: [ham-antennas] Simplified UHF antenna test setup...

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 01:40:28 UTC
From: Ray, W4BYG
Topic: 35016 Message: 35019

Mel,
Thank you for your inputs. They are well received. Especially the addition of a bandpass filter to minimize unwanted RF sources. I did not think of that.

I do have a dual cavity surplus F-242/U variable bandpass filter originally made to tune from 134 thru 170 MHz. The 2 cavities are 9.5" long and about 2" across. On 2 meters this filter measures -.5 db thru loss + or - 1.2 MHz and -20 db + or - 5 MHz. I am not able to sweep it on 440 MHz but could possibly peak it into a Bird watt meter and dummy load.

It might be that it would offer some protection operated on it's 3rd harmonic. I wonder if anyone on the list has tried using a cavity filter made for 2 meters, for a BP filter on 440 MHz?

73,
Ray, W4BYG

On 12/20/2014 3:22 PM, Mel Farrer farrerfolks@... [ham-antennas] wrote:
> Interesting project, Several comments that might help. In the past
> decades the West Coast and Central VHF Society conducted antenna gain
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> In other words, source signal at the dipole and test antenna on the
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> Just some thoughts.
>
> Mel, K6KBE
>
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> ---

> *From:* "'Ray, W4BYG' w4byg@... [ham-antennas]"
> <ham-antennas@yahoogroups.com>
> *To:* ham-antennas@yahoogroups.com
> *Sent:* Saturday, December 20, 2014 8:48 AM
> *Subject:* [ham-antennas] Simplified UHF antenna test setup...
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> broadcast and amateur antennas. In many of those situations I had
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> That said:
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> In general:
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> We do have several UHF FM transceivers which could be used as a fairly
> stable signal source.
> We can accomplish the necessary matching for the antennas.
> We are aware of the reflection variations that can occur on a short
> antenna range and how to minimize some of that.
> We are aware of the need to measure and test in the far field zone.
> We would like to keep the construction emphasis on the antenna
> performances and not complex or expensive electronics. We believe
> this can be done with available sources and a fairly simple detector.
> I do have a lab quality 75 ohm attenuator which would be the key to
> our characterizing antenna gain and front to back.
>
> More specifically:
> Given that we would use an existing FM transmitter for the source, for
> detection, we would like to build up a simple, but 75 ohm input
> matched diode field strength meter.
>
> The receiving system would consist of a 75 ohm dipole mounted on a
> 12' telescoping light stand. This would be then connected to the 75
> ohm attenuator with a short length of RG59, which in turn would be

> connected to a 75 ohm link coupled 440MHz tuned circuit , feeding the
> passive 50 micro amp FS meter.
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> We are aware of the non-linearity for typical diode FS strength
> meters. However it is our intuition that this can be overcome by
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> not get side tracked into distractive complexities.
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> Anyone else "been there and done that" or have similar experience
> which would be helpful?
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> Your attention and useful assistance is appreciated.
> Ray, W4BYG
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> Wise men still seek Him...
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>

--
Wise men still seek Him...

35020. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 13:41:15 UTC
From: Rich Schmuke
Topic: 35007 Message: 35020

David is correct, when I said I some time use RG-8X as my smaller cable that I keep the winding to a minimum of 6" dia. RG-8X has a foam dielectric and can migrate if wound too tight Most RG-58's have a solid poly dielectric and can be wound to a tighter diameter

Rich, KdØzz

On Sat, Dec 20, 2014 at 10:17 AM, wa2lul@... [ham-antennas] <
ham-antennas@yahoogroups.com> wrote:

>
>
> In theory it will work fine. In practice it could become problematic over
> time.
>
> Depending upon the dielectric used, over time the center conductor will
> migrate over time toward the center axis of the balun (unun) changing the
> characteristic impedance of the cable used.
>
> David, W2DZ
>
>
>

35021. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 14:21:03 UTC
From: Goldtr8 (KD8NNU)
Topic: 35007 Message: 35021

I still don’t get the Ugly Balun thing because its not an effective choke.

Information on how to do a good choke is in the reference below and there is even more data to find if one choses to do so. I had RF issues and the Ugly balun did not help me fix the problem. However once I understood how to implement a choke properly I fixed the issue quickly.

So please read the PDF in the link as a starting point and then go from there, the more data you know about how stuff works the better you will be.

http://audiosystemsgroup.com/RFI-Ham.pdf

Cheers & Merry Christmas

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

35022. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 14:39:13 UTC
From: Gerald Bishop
Topic: 35007 Message: 35022

Are you talking balun,or choke ??? Baluns are wound around a ferite core. 1 1/2- inches in dia . jerry w8kq
----- Original Message -----
From: Rich Schmuke rdj@... [ham-antennas]
To: ham-antennas@yahoogroups.com
Sent: Sunday, December 21, 2014 8:41 AM
Subject: Re: [ham-antennas] Re: Ugly balun

David is correct, when I said I some time use RG-8X as my smaller cable that I keep the winding to a minimum of 6" dia. RG-8X has a foam dielectric and can migrate if wound too tight Most RG-58's have a solid poly dielectric and can be wound to a tighter diameter

Rich, KdØzz

On Sat, Dec 20, 2014 at 10:17 AM, wa2lul@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

In theory it will work fine. In practice it could become problematic over time.

Depending upon the dielectric used, over time the center conductor will migrate over time toward the center axis of the balun (unun) changing the characteristic impedance of the cable used.

David, W2DZ

This email has been checked for viruses by Avast antivirus software.
http://www.avast.com

35023. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 15:40:44 UTC
From: Rich Schmuke
Topic: 35007 Message: 35023

Some people have done a little checking into a coax choke. I don't have the need or time to but here is Ed Gilberts, K2SQ view. I have never had a problem but sometimes add a choke for insurance.
http://www.eham.net/articles/15383

Rich, KdØzz

On Sun, Dec 21, 2014 at 8:21 AM, 'Goldtr8 (KD8NNU)' goldtr8@...
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> I still don’t get the Ugly Balun thing because its not an effective
> choke.
>
> Information on how to do a good choke is in the reference below and there
> is even more data to find if one choses to do so. I had RF issues and the
> Ugly balun did not help me fix the problem. However once I understood how
> to implement a choke properly I fixed the issue quickly.
>
> So please read the PDF in the link as a starting point and then go from
> there, the more data you know about how stuff works the better you will be.
>
> http://audiosystemsgroup.com/RFI-Ham.pdf
>
> Cheers & Merry Christmas
>
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
>
>

35024. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 17:18:21 UTC
From: Goldtr8 (KD8NNU)
Topic: 35007 Message: 35024

Wow that eHam reference is an interesting read but did not find any real quality data presented by the author. However there were references to other articles and those point to making chokes out of cable through a binocular core. So if one reads it all there is clearly stuff there that can point you in a direction to solve your RF issues.

So here is one set of information that is pointed too in the eHam article and another ones that I have provided for everyones reference.
http://www.yccc.org/Articles/W1HIS/CommonModeChokesW1HIS2006Apr06.pdf

Additional references on the internet to review and understand what you need a choke (balun) for.

http://setxac.com/wp-content/uploads/2013/12/Baluns.pdf

http://audiosystemsgroup.com/CoaxChokesPPT.pdf

http://static.dxengineering.com/pdf/Choosing%20the%20Correct%20Balun.pdf

Bottom line there is information to read and allow you to decide on ways to eliminate RF. But make sure you sift thru the information and really understand it as that’s the only way you can make sure you are not misled by myths propagated from the internet. The target is to remove RF (common mode) on the feedline and not distort you antenna pattern and stop unwanted RF from getting into the shack.

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, December 21, 2014 10:40 AM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ugly balun

Some people have done a little checking into a coax choke. I don't have the need or time to but here is Ed Gilberts, K2SQ view. I have never had a problem but sometimes add a choke for insurance.
http://www.eham.net/articles/15383

Rich, KdØzz

On Sun, Dec 21, 2014 at 8:21 AM, 'Goldtr8 (KD8NNU)' goldtr8@charter.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I still don’t get the Ugly Balun thing because its not an effective choke.

Information on how to do a good choke is in the reference below and there is even more data to find if one choses to do so. I had RF issues and the Ugly balun did not help me fix the problem. However once I understood how to implement a choke properly I fixed the issue quickly.

So please read the PDF in the link as a starting point and then go from there, the more data you know about how stuff works the better you will be.

http://audiosystemsgroup.com/RFI-Ham.pdf

Cheers & Merry Christmas

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

35025. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 18:55:27 UTC
From: Andy
Topic: 35007 Message: 35025

"Are you talking balun,or choke ???"

I think we are talking about a choke balun here.

"Baluns are wound around a ferite core. 1 1/2- inches in dia ."

Some are. And some are wound on an air core.

Baluns come in a wide variety of sizes, some smaller, some larger than your 1.5" diameter.

Changing the material or the size doesn't alter its function.

Andy

35026. Re: Simplified UHF antenna test setup...

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 19:46:49 UTC
From: John RC
Topic: 35016 Message: 35026

Ray,

Go to You Tube and do a search for Lecher Lines. The first 2 articles should give you some good ideas. During the middle of the last century, I did some experiments based on an article in Popular Electronics Magazine.

73
John K0EBC

35027. Need Three 40 Meter HAM STICK Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 20:52:37 UTC
From: Gary H. Harmon, Jr.
Topic: 35027 Message: 35027

Any for sale by anyone?

73,

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

Ignorance is a temporary situation - Not a career choice!

Too many projects - Not enough time!

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

35028. Another year On Yahoo Ham-Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 22:19:33 UTC
From: p_chap@...
Topic: 35028 Message: 35028

As 2014 is coming to an end, and I have some time off, it is time to think of some of the good things of 2014. The Yahoo Ham-Antennas scores highly. This is a well managed group with great members, great knowledge, and a couple of rare elements i.e. a sense of humor, admissions of error, and genuine appreciation for assistance.

Thanks to the mods and the members of this group for a great year. I will reward all of you by commenting on my greatest stupidity of the year that used up some of your time.....and then be brazen enough to end it with a question.....in a separate post....

35029. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-21 22:07:25 UTC
From: Walt Wilson
Topic: 35007 Message: 35029

Ugly balun is the term for an air wound choke or balun. Normally this would consist of coax wound around a cylinder of around 3 inches diameter, plastic to avoid interference. Most recommendations are for the coax to be 18 to 20 turns using around 21 feet of coax. The coax can be glued in place or taped in place. Amounts of turns and footage vary but normally fall into these ranges. Easy to build for anyone.

From: mailto:ham-antennas@yahoogroups.com
Sent: Sunday, December 21, 2014 1:55 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Re: Ugly balun

"Are you talking balun,or choke ???"

I think we are talking about a choke balun here.

"Baluns are wound around a ferite core. 1 1/2- inches in dia ."

Some are. And some are wound on an air core.

Baluns come in a wide variety of sizes, some smaller, some larger than your 1.5" diameter.

Changing the material or the size doesn't alter its function.

Andy

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4253/8778 - Release Date: 12/21/14

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2015.0.5577 / Virus Database: 4253/8781 - Release Date: 12/21/14

35030. RE: [ham-antennas] Another year On Yahoo Ham-Antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 02:07:54 UTC
From: Gary H. Harmon, Jr.
Topic: 35028 Message: 35030

The moderators thank you.

Gary H. Harmon, Jr. - K5JWK - HAM Radio Archaeologist

6003 Archwood

San Antonio, TX 78239-1504

210.657.1549h / 210.884.6926c/t

gharmon (at) idworld.net

Ignorance is a temporary situation - Not a career choice!

Too many projects - Not enough time!

"Retirement = Every day is a Saturday except Sunday"

http://www.grissomroadcoc.org

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Sunday, December 21, 2014 4:20 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Another year On Yahoo Ham-Antennas

As 2014 is coming to an end, and I have some time off, it is time to think of some of the good things of 2014. The Yahoo Ham-Antennas scores highly. This is a well managed group with great members, great knowledge, and a couple of rare elements i.e. a sense of humor, admissions of error, and genuine appreciation for assistance.

Thanks to the mods and the members of this group for a great year. I will reward all of you by commenting on my greatest stupidity of the year that used up some of your time.....and then be brazen enough to end it with a question.....in a separate post....

_.___

_____

Posted by: p_chap@...

_____

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/messages/35028;_ylc=X3oDMTJyMWZ1bHR0BF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzNTAyOARzZWMDZnRyBHNsawNycGx5BHN0aW1lAzE0MTkyMDAzNzQ-?act=reply&messageNum=35028> Reply via web post

•

<mailto:p_chap@...?subject=Re%3A%20Another%20year%20On%20Yahoo%20Ham-Antennas> Reply to sender

•

<mailto:ham-antennas@yahoogroups.com?subject=Re%3A%20Another%20year%20On%20Yahoo%20Ham-Antennas> Reply to group

•

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/newtopic;_ylc=X3oDMTJmMTFxOTNlBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNudHBjBHN0aW1lAzE0MTkyMDAzNzQ-> Start a New Topic

•

<https://groups.yahoo.com/neo/groups/ham-antennas/conversations/topics/35028;_ylc=X3oDMTM3cW1wN3NpBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARtc2dJZAMzNTAyOARzZWMDZnRyBHNsawN2dHBjBHN0aW1lAzE0MTkyMDAzNzQEdHBjSWQDMzUwMjg-> Messages in this topic (1)

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

<https://groups.yahoo.com/neo/groups/ham-antennas/info;_ylc=X3oDMTJmN25kZjFrBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0MTkyMDAzNzQ-> Visit Your Group

· <https://groups.yahoo.com/neo/groups/ham-antennas/members/all;_ylc=X3oDMTJndjEwOWJzBF9TAzk3MzU5NzE0BGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDdnRsBHNsawN2bWJycwRzdGltZQMxNDE5MjAwMzc0> New Members 1

<https://groups.yahoo.com/neo;_ylc=X3oDMTJldDgxdDBsBF9TAzk3NDc2NTkwBGdycElkAzEyMzA0NzEyBGdycHNwSWQDMTcwNTA2MzEwOARzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQxOTIwMDM3NA--> Yahoo! Groups

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<http://y.analytics.yahoo.com/fpc.pl?ywarid=515FB27823A7407E&a=10001310322279&js=no&resp=img>

35031. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 13:57:38 UTC
From: Ray, W4BYG
Topic: 35007 Message: 35031

I have not seen much said on the list about maintaining the minimum bending radius when making coils of coax.

Regarding air wound coax baluns, a 3" diameter coil (text below) of RG-58 is considerably smaller than the minimum radius specification of most manufacturers. In time, the center conductor under the bending pressure will migrate towards the shield and lose it's characteristic precision. It is important to keep this in mind in order for the coax to maintain it's specified characteristics.

Belden's 9201 spec calls for 50.8 mm or a 2" minimum bending radius. The makes the minimum coil diameter 4". If subject to outside weather conditions I would add more. Foam dialectic RG-58 type cable is even more critical, as the foam dialectic does not resist the bending forces as well as the polyethylene RG-58U. I would use a minimum of 6"to 8" for foam dialectic cables.

For RG-8 cables the minimum bending spec is a 4" radius for an 8" diameter coil. Again additional allowance should be made for outside service as well as RG-8 foam cables.

Also, keep in mind regular RG cables were not designed for outside service. Serious consideration must be given to getting a cable with an outside rated jacket and protecting the cable ends from water entry and migration.

Water entry itself is not as much of a problem as the corrosive effects from it mixed with atmospheric contaminants. (That may stir the pot a bit).

Ray, W4BYG

On 12/21/2014 5:07 PM, 'Walt Wilson' WWILSON@... [ham-antennas] wrote:
>
> Ugly balun is the term for an air wound choke or balun. Normally this
> would consist of coax wound around a cylinder of around 3 inches
> diameter, plastic to avoid interference. Most recommendations are for
> the coax to be 18 to 20 turns using around 21 feet of coax. The coax
> can be glued in place or taped in place. Amounts of turns and footage
> vary but normally fall into these ranges. Easy to build for anyone.
> *From:* mailto:ham-antennas@yahoogroups.com
> *Sent:* Sunday, December 21, 2014 1:55 PM
> *To:* ham-antennas@yahoogroups.com <mailto:ham-antennas@yahoogroups.com>
> *Subject:* Re: [ham-antennas] Re: Ugly balun
>
> "Are you talking balun,or choke ???"

> I think we are talking about a choke balun here.
> "Baluns are wound around a ferite core.1 1/2- inches in dia ."
> Some are. And some are wound on an air core.
> Baluns come in a wide variety of sizes, some smaller, some larger than
> your 1.5" diameter.
> Changing the material or the size doesn't alter its function.
> Andy
>
> No virus found in this message.
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> Version: 2015.0.5577 / Virus Database: 4253/8778 - Release Date: 12/21/14
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> Checked by AVG - www.avg.com <http://www.avg.com>
> Version: 2015.0.5577 / Virus Database: 4253/8781 - Release Date: 12/21/14
>
>

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Wise men still seek Him...

35032. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 14:19:48 UTC
From: Al Bonnyman
Topic: 35007 Message: 35032

If an indoor cable is immersed in water for any length of time (typical of many buried ducts), the plastic jacket absorbs moisture, changing the cable's electrical parameters.

Outdoor cable jackets contain carbon black or other additives that give them ultraviolet resistance.

I'm not aware of pollution and jacket contamination issues, at least at the pollution levels experienced in Europe and North America. (I can't speak for Beijing, etc.)

Al Bonnyman
KM4BYJ

> On Dec 22, 2014, at 08:57, 'Ray, W4BYG' w4byg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Also, keep in mind regular RG cables were not designed for outside service. Serious consideration must be given to getting a cable with an outside rated jacket and protecting the cable ends from water entry and migration.
>
> Water entry itself is not as much of a problem as the corrosive effects from it mixed with atmospheric contaminants. (That may stir the pot a bit).
>
> Ray, W4BYG

35033. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 15:17:59 UTC
From: Ray, W4BYG
Topic: 35007 Message: 35033

I have in the past, had professional opportunity of experimenting with injecting RF signals into water solutions for industrial purposes.

I found pure water in itself does little to attenuate RF signals. It is a pretty good dielectric in itself. Salt water or like contaminated water, is a different story. I surmise the real problem with antennas outside with rain water is mixing with the atmospheric salts and over a long term causing corrosion in the cable, more so at the terminations.

I suggest anyone who is interested in the subject, try a rather simple experiment at home with readily available gear. It will be most revealing and will correct a lot of mis-conceptions about "water problems".

Take a 2 meter FM transceiver, 2- 5' or 6' RG58U UHF jumper cables connected together with a simple UHF barrel, an SWR meter and short cable to a dummy load. Also fill a plastic bucket 1/2 full of tap water and set it on a wood or non-conducting table.

First connect the radio, 2 cables (with the bare barrel connector) to the SWR meter/cable and dummy load with everything dry. Key the transmitter and insure you have a very low SWR, indicating the test set up is working well. If your load is good, it should be close to 1 to 1.

Then take the middle of the 2 connected jumper cables (at the bare barrel connector) and submerge this union into the water bucket. Let it soak for a few minutes. In my experience, you will see little if any change in the SWR, indicating little affect of the water on the transmission line.

My conclusion: only after the water mixes with other contaminates over a period of time, does it cause a problem. In the short term it is seldom a problem. This is generally why you can go out on a "field day" get freshly installed antennas/feedlines soaked from a rainstorm and yet continue to operate with little difficulty.

Another example: I run a fairly nice 500 watt HF and 150 watt VHF/UHF mobile station. My loading coils are modified commercial coils and are exposed to rain as I operate. This includes a completely exposed impedance matching coil at the base as well as the spring mount and associated hardware. I can operate in pouring down rain with no observable affects to my antenna systems. From time to time, I do keep an eye out for corrosion and thus keep the connections clean.

Enjoy,
Ray, W4BYG

On 12/22/2014 9:19 AM, Al Bonnyman aabonnyman@... [ham-antennas]
wrote:
>
> If an indoor cable is immersed in water for any length of time
> (typical of many buried ducts), the plastic jacket absorbs moisture,
> changing the cable's electrical parameters.
>
> Outdoor cable jackets contain carbon black or other additives that
> give them ultraviolet resistance.
>
> I'm not aware of pollution and jacket contamination issues, at least
> at the pollution levels experienced in Europe and North America. (I
> can't speak for Beijing, etc.)
>
> Al Bonnyman
> KM4BYJ
>
> > On Dec 22, 2014, at 08:57, 'Ray, W4BYG' w4byg@... [ham-antennas]
> <ham-antennas@yahoogroups.com> wrote:
> >
> > Also, keep in mind regular RG cables were not designed for outside
> service. Serious consideration must be given to getting a cable with
> an outside rated jacket and protecting the cable ends from water entry
> and migration.
> >
> > Water entry itself is not as much of a problem as the corrosive
> effects from it mixed with atmospheric contaminants. (That may stir
> the pot a bit).
> >
> > Ray, W4BYG
>
>

--
Wise men still seek Him...

35034. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 16:05:47 UTC
From: David Welker
Topic: 35007 Message: 35034

G0TXQ has some good info on his web page about coax baluns and winding diameter, frequency cover etc.Dave

On Monday, December 22, 2014 10:18 AM, "'Ray, W4BYG' w4byg@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I have in the past, had professional opportunity of experimenting with injecting RF signals into water solutions for industrial purposes.

I found pure water in itself does little to attenuate RF signals. It is a pretty good dielectric in itself. Salt water or like contaminated water, is a different story. I surmise the real problem with antennas outside with rain water is mixing with the atmospheric salts and over a long term causing corrosion in the cable, more so at the terminations.

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Then take the middle of the 2 connected jumper cables (at the bare barrel connector) and submerge this union into the water bucket. Let it soak for a few minutes. In my experience, you will see little if any change in the SWR, indicating little affect of the water on the transmission line.

My conclusion: only after the water mixes with other contaminates over a period of time, does it cause a problem. In the short term it is seldom a problem. This is generally why you can go out on a "field day" get freshly installed antennas/feedlines soaked from a rainstorm and yet continue to operate with little difficulty.

Another example: I run a fairly nice 500 watt HF and 150 watt VHF/UHF mobile station. My loading coils are modified commercial coils and are exposed to rain as I operate. This includes a completely exposed impedance matching coil at the base as well as the spring mount and associated hardware. I can operate in pouring down rain with no observable affects to my antenna systems. From time to time, I do keep an eye out for corrosion and thus keep the connections clean.

Enjoy,
Ray, W4BYG

On 12/22/2014 9:19 AM, Al Bonnyman aabonnyman@... [ham-antennas] wrote:

If an indoor cable is immersed in water for any length of time (typical of many buried ducts), the plastic jacket absorbs moisture, changing the cable's electrical parameters.

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Al Bonnyman
KM4BYJ

> On Dec 22, 2014, at 08:57, 'Ray, W4BYG' w4byg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Also, keep in mind regular RG cables were not designed for outside service. Serious consideration must be given to getting a cable with an outside rated jacket and protecting the cable ends from water entry and migration.
>
> Water entry itself is not as much of a problem as the corrosive effects from it mixed with atmospheric contaminants. (That may stir the pot a bit).
>
> Ray, W4BYG

--
Wise men still seek Him...

35035. RE: [ham-antennas] Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 16:37:28 UTC
From: Scott Myers
Topic: 35007 Message: 35035

The "ugly balun" rears its head from time to time. It has its place in the ham world. And no, there is no "problem" with using RG58 to make one. But let me add more on their use.

IMO, the ugly balun is an "in a pinch" solution, or for experimentation, or for when you suspect a problem and are trying to solve it without having a real choke (unun) on hand. Experience has shown me that it is not a great permanent part of a shack if you want to maximize effectiveness, minimize loss and minimize physical size. It's cost VS effectiveness ratio is quite low, not to mention that on HF, it's a bit large when you have enough turns to form enough inductance to do any good. For low power (8X or the like) it's cost is low due to the price per foot of this type of cable being low at .30 to .40 per foot; even cheaper at flea markets or surplus. In a barefoot situation and with this smaller coax which can take a smaller turn radius, then it's fine to do this and won't hurt a thing. But as I said, there are MUCH more effective methods to make common mode chokes or baluns at nearly same price point, although they take a bit more work. A bifilar wound unit on a toroid is MUCH more effective at about the same price point, not to mention much more compact. (I suggest J Sevick W2FMI's book on baluns and ununs as one of the best resources.)

Someone mentioned using RG303 on an ugly balun of you want high power. Well, only if you want a low price VS effectiveness ratio. At $2.50 per foot minimum typically for RG303, it's some pricey stuff to be wasting in a coil that is minimally effective at choking, especially if running high power. 15 turns on a 4" form (about 15' of coax) will cost you about $40, not including connectors. However, this stuff IS the stuff to use on high power toroidal wound ununs and baluns and is my personal preference for such purposes. Super quality, teflon dielectric, silver plated double shield. It's mil grade quality stuff. Another thing to also consider about this stuff is it is amazingly "springy" for its diameter and is challenging to get to stay where you want it to stay.

Balun VS unun definition? Which is which has nothing to do with being on a core or not. Balun is technically just BALanced to UNbalanced. So if you put an ugly balun at the feed point of a dipole with one end soldered directly to the dipole, then is it technically a balun. If it is in line in the coax with connectors on each end, then it is technically an unun with UNbalanced to UNbalanced. They can perform similar functions. This is mostly semantics and we tend to interchange the terms knowing that other hams know what we mean generally. I know those "definers" out there might pick this paragraph apart, but 95% of you know what I mean without getting into the nitty-gritty. If you don't know the difference between the two, it's time to study, as this is a technical hobby.

There are tons of ways to build effective chokes (ununs) and baluns and what one decides to use in the end is decided through experimentation and experience and in the end, personal preference. I have personally settled on the W1JR toroidal design using RG303 popularized by Sevick W2FMI for most 1:1 applications. It will take 5KW and not even sweat, is quite small and VERY effective. Cost of making these is about $25 each using a type 31 Fair-Rite 2631803802 toroid, 3'-4' of RG-303 with 10 turns on the core and 2 connectors. About $5 more if you use N-connectors. A bifilar design can also be used to save money on the coax, but takes insulating the core heavily and taking great care in the winding interspacing and

must be put in a box which offsets the cost saved on the coax. Too much trouble for my taste. I've gotten lazy since starting using the RG303 and find the extra cost well worth it. This is the same design used by Balun Designs and a number of other manufacturers, except those manufacturers put them in a box. Whether you spend the money to put it in a sealed box or not is up to you and depends on where it is installed.

Happy experimenting!

73,

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Friday, December 19, 2014 3:11 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Ugly balun

Is there any problem of using rg-58 to wrap the balun and connecting it to rg-8x feed line? Thanks for any thoughts on the subject. 73's

Dennis KA6YGR

35036. Re: [ham-antennas] Water and cable - Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 17:11:22 UTC
From: Al Bonnyman
Topic: 35007 Message: 35036

When I said cable jackets absorb water when immersed in water, I was referring to timeframes on the order of days or weeks. Test labs weigh the cable before and after immersion to characterize cable designs and materials.

Underground ducts accumulate water, so cable in them are immersed. Some buried cables may effectively be immersed depending on drainage.

This phenomenon is well known to manufacturers and users of outside fiber optic cable; cable designers compensate for this by putting water blocking compounds inside the cable. Otherwise, absorbed water freezes and breaks the fibers.

I expect water absorbed by plastic cable elements will change the dielectric as well.

Aerial cables shed rain, so their jackets don’t absorb water. That said, if the ends aren’t sealed or if the jacket is torn or punctured, you can get water inside the cable.

Outdoor copper cables use similar jacket compounds.

===

Corrosion can be a factor with metallic connections at the ends but contamination caused by air pollution should not be a problem for a polyethylene jacket, at least in “First World” air pollution environments.

I base these comments on work with an IEEE standards committee for fiber optic communication cables used in power utility applications. In very high voltage environments (usually transmission lines >100 kV), you can get a destructive interaction between jacket contamination and electric fields under certain very specific conditions. So members of the committee have worked a lot with general issue of jacket contamination and I’ve not heard of other problems. These are fiber cables but in most cases with similar jacket materials.

===

Al Bonnyman
Fiber Planners Inc.
KM4BYJ

> On Dec 22, 2014, at 10:17, 'Ray, W4BYG' w4byg@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
>
> I have in the past, had professional opportunity of experimenting with injecting RF signals into water solutions for industrial purposes.
>
> I found pure water in itself does little to attenuate RF signals. It is a pretty good dielectric in itself. Salt water or like contaminated water, is a different story. I surmise the real problem with antennas outside with rain water is mixing with the atmospheric salts and over a long term causing corrosion in the cable, more so at the

terminations.
>
> I suggest anyone who is interested in the subject, try a rather simple experiment at home with readily available gear. It will be most revealing and will correct a lot of mis-conceptions about "water problems".
>
> Take a 2 meter FM transceiver, 2- 5' or 6' RG58U UHF jumper cables connected together with a simple UHF barrel, an SWR meter and short cable to a dummy load. Also fill a plastic bucket 1/2 full of tap water and set it on a wood or non-conducting table.
>
> First connect the radio, 2 cables (with the bare barrel connector) to the SWR meter/cable and dummy load with everything dry. Key the transmitter and insure you have a very low SWR, indicating the test set up is working well. If your load is good, it should be close to 1 to 1.
>
> Then take the middle of the 2 connected jumper cables (at the bare barrel connector) and submerge this union into the water bucket. Let it soak for a few minutes. In my experience, you will see little if any change in the SWR, indicating little affect of the water on the transmission line.
>
> My conclusion: only after the water mixes with other contaminates over a period of time, does it cause a problem. In the short term it is seldom a problem. This is generally why you can go out on a "field day" get freshly installed antennas/feedlines soaked from a rainstorm and yet continue to operate with little difficulty.
>
> Another example: I run a fairly nice 500 watt HF and 150 watt VHF/UHF mobile station. My loading coils are modified commercial coils and are exposed to rain as I operate. This includes a completely exposed impedance matching coil at the base as well as the spring mount and associated hardware. I can operate in pouring down rain with no observable affects to my antenna systems. From time to time, I do keep an eye out for corrosion and thus keep the connections clean.
>
> Enjoy,
> Ray, W4BYG
>
>
>
> On 12/22/2014 9:19 AM, Al Bonnyman aabonnyman@... [ham-antennas] wrote:
>>
>> If an indoor cable is immersed in water for any length of time (typical of many buried ducts), the plastic jacket absorbs moisture, changing the cable's electrical parameters.
>>
>> Outdoor cable jackets contain carbon black or other additives that give them ultraviolet resistance.
>>
>> I'm not aware of pollution and jacket contamination issues, at least at the pollution levels experienced in Europe and North America. (I can't speak for Beijing, etc.)
>>
>> Al Bonnyman
>> KM4BYJ
>>

>> > On Dec 22, 2014, at 08:57, 'Ray, W4BYG' w4byg@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>> >
>> > Also, keep in mind regular RG cables were not designed for outside service. Serious consideration must be given to getting a cable with an outside rated jacket and protecting the cable ends from water entry and migration.
>> >
>> > Water entry itself is not as much of a problem as the corrosive effects from it mixed with atmospheric contaminants. (That may stir the pot a bit).
>> >
>> > Ray, W4BYG
>>
>
>
> --
> Wise men still seek Him...
>
>
>

35037. Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 19:00:12 UTC
From: cabispop@...
Topic: 35037 Message: 35037

Is there any reason why an RF choke (Ugly Balun) can't have a couple of eyebolts thereby becoming a double purpose unit? It would eliminate one connector and one possible place of feed line problems.

Dennis KA6YGR

35038. RE: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 19:57:10 UTC
From: Scott Myers
Topic: 35037 Message: 35038

There is no reason you can't do that, other than its rather large and unruly size.

Scott AC8DE

From: ham-antennas@yahoogroups.com [mailto:ham-antennas@yahoogroups.com]
Sent: Monday, December 22, 2014 2:00 PM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feed point/ RF choke combo?

Is there any reason why an RF choke (Ugly Balun) can't have a couple of eyebolts thereby becoming a double purpose unit? It would eliminate one connector and one possible place of feed line problems.

Dennis KA6YGR

35039. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 20:38:31 UTC
From: Deanf
Topic: 35037 Message: 35039

Check out this page on ugly baluns

http://www.hamuniverse.com/balun.html

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2014 11:00 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feed point/ RF choke combo?

Is there any reason why an RF choke (Ugly Balun) can't have a couple of eyebolts thereby becoming a double purpose unit? It would eliminate one connector and one possible place of feed line problems.

Dennis KA6YGR

35040. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-22 23:50:16 UTC
From: Goldtr8 (KD8NNU)
Topic: 35037 Message: 35040

Another reference without data on the choking impedance that you get with an Ugly Balun.

Lots of references on how to make them but not on what it will do for you. That is why I promote winding chokes using 31 mix ferrite per the references I posted on this topic as there is lots of data on how chokes made this way work.

Cheers

~73
Don
KD8NNU
2014 3905CC Top Gun :-)
-.- -.. ---.. -. -. ..-

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2014 3:38 PM
To: ham-antennas@yahoogroups.com
Subject: Re: [ham-antennas] Feed point/ RF choke combo?

Check out this page on ugly baluns

http://www.hamuniverse.com/balun.html

73, WY6L

From: mailto:ham-antennas@yahoogroups.com
Sent: Monday, December 22, 2014 11:00 AM
To: ham-antennas@yahoogroups.com
Subject: [ham-antennas] Feed point/ RF choke combo?

Is there any reason why an RF choke (Ugly Balun) can't have a couple of eyebolts thereby becoming a double purpose unit? It would eliminate one connector and one possible place of feed line problems.

Dennis KA6YGR

35041. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 01:34:45 UTC
From: Geoff McAlpin
Topic: 35037 Message: 35041

This is an excellent source for choke information:

http://www.karinya.net/g3txq/chokes/

On Monday, December 22, 2014, 'Goldtr8 (KD8NNU)' goldtr8@charter.net
[ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Another reference without data on the choking impedance that you get
> with an Ugly Balun.
>
> Lots of references on how to make them but not on what it will do for
> you. That is why I promote winding chokes using 31 mix ferrite per the
> references I posted on this topic as there is lots of data on how chokes
> made this way work.
>
> Cheers
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@...m');>
> *Sent:* Monday, December 22, 2014 3:38 PM
> *To:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Subject:* Re: [ham-antennas] Feed point/ RF choke combo?
>
>
>
> Check out this page on ugly baluns
>
> http://www.hamuniverse.com/balun.html
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>
> *Sent:* Monday, December 22, 2014 11:00 AM
> *To:* ham-antennas@yahoogroups.com
> <javascript:_e(%7B%7D,'cvml','ham-antennas@yahoogroups.com');>

> *Subject:* [ham-antennas] Feed point/ RF choke combo?
>
>
>
> Is there any reason why an RF choke (Ugly Balun) can't have a couple of
> eyebolts thereby becoming a double purpose unit? It would eliminate one
> connector and one possible place of feed line problems.
>
>
> Dennis KA6YGR
>
>
>

--
Geoff McAlpin, NM7V
Seattle, WA
CN87tr

35042. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 02:01:22 UTC
From: Rich Schmuke
Topic: 35037 Message: 35042

I sent out a previous email about K2SQ work on ugly baluns. Please reference the ARRL antenna manual 21st edition , page 26-26 . It has readings taken at a series of frequencies with H-P 41934 vector- impedance meter on 4 and 6 dia plastic pipes as forms.

Rich, KdØzz

On Mon, Dec 22, 2014 at 5:50 PM, 'Goldtr8 (KD8NNU)' goldtr8@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
>
> Another reference without data on the choking impedance that you get
> with an Ugly Balun.
>
> Lots of references on how to make them but not on what it will do for
> you. That is why I promote winding chokes using 31 mix ferrite per the
> references I posted on this topic as there is lots of data on how chokes
> made this way work.
>
> Cheers
>
> ~73
> Don
> KD8NNU
> 2014 3905CC Top Gun :-)
> -.- -.. ---.. -. -. ..-
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Monday, December 22, 2014 3:38 PM
> *To:* ham-antennas@yahoogroups.com
> *Subject:* Re: [ham-antennas] Feed point/ RF choke combo?
>
>
>
> Check out this page on ugly baluns
>
> http://www.hamuniverse.com/balun.html
>
> 73, WY6L
>
>
> *From:* mailto:ham-antennas@yahoogroups.com
> <ham-antennas@yahoogroups.com>
> *Sent:* Monday, December 22, 2014 11:00 AM

> *To:* ham-antennas@yahoogroups.com
> *Subject:* [ham-antennas] Feed point/ RF choke combo?
>
>
>
> Is there any reason why an RF choke (Ugly Balun) can't have a couple of
> eyebolts thereby becoming a double purpose unit? It would eliminate one
> connector and one possible place of feed line problems.
>
>
> Dennis KA6YGR
>
>
>

35043. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 02:11:47 UTC
From: Myron WVØH
Topic: 35037 Message: 35043

The thing that jumps out at me with K2SQ's measurements is the bunched up coax works better on the low bands than the neatly wound versions and by a fair bit too.

Myron WVØH
Printed on Recycled Data

> On Dec 22, 2014, at 7:01 PM, Rich Schmuke rdj@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I sent out a previous email about K2SQ work on ugly baluns. Please reference the ARRL antenna manual 21st edition , page 26-26 . It has readings taken at a series of frequencies with H-P 41934 vector- impedance meter on 4 and 6 dia plastic pipes as forms.
>
> Rich, KdØzz
>
>> On Mon, Dec 22, 2014 at 5:50 PM, 'Goldtr8 (KD8NNU)' goldtr8@charter.net [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>>
>> Another reference without data on the choking impedance that you get with an Ugly Balun.
>>
>> Lots of references on how to make them but not on what it will do for you. That is why I promote winding chokes using 31 mix ferrite per the references I posted on this topic as there is lots of data on how chokes made this way work.
>>
>> Cheers
>>
>> ~73
>> Don
>> KD8NNU
>> 2014 3905CC Top Gun :-)
>> -.- -.. ---.. -. -. ..-
>>
>> From: mailto:ham-antennas@yahoogroups.com
>> Sent: Monday, December 22, 2014 3:38 PM
>> To: ham-antennas@yahoogroups.com
>> Subject: Re: [ham-antennas] Feed point/ RF choke combo?
>>
>>
>> Check out this page on ugly baluns
>>
>> http://www.hamuniverse.com/balun.html
>>
>> 73, WY6L
>>
>>

>> From: mailto:ham-antennas@yahoogroups.com
>> Sent: Monday, December 22, 2014 11:00 AM
>> To: ham-antennas@yahoogroups.com
>> Subject: [ham-antennas] Feed point/ RF choke combo?
>>
>>
>> Is there any reason why an RF choke (Ugly Balun) can't have a couple of eyebolts thereby becoming a double purpose unit? It would eliminate one connector and one possible place of feed line problems.
>>
>>
>>
>> Dennis KA6YGR
>>
>
>

35044. Re: [ham-antennas] Feed point/ RF choke combo?

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 13:11:37 UTC
From: goldtr8@...
Topic: 35037 Message: 35044
Attachments: 2 described; binary payloads are missing from this source WARC

[Attachment content not displayed]

35045. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 18:08:20 UTC
From: Dale Miller
Topic: 35007 Message: 35045

On 12/22/2014 10:05 AM, David Welker k3si@... [ham-antennas] wrote:
>
>
> G0TXQ has some good info on his web page about coax baluns and winding
> diameter, frequency cover etc.
> Dave
>
>
>

Would you please share a link?
Thanks

--
All the Best & 73's
Dale Miller, KC2CBD
Cookeville, Tennessee
Ham Operator since 1997 (Extra)

Registered Linux User: #317401
Linux since June 2003
Registered Ubuntu User #26423

stpatrick3spam@...
stpatrick2spam@...
stpatrick3spam@...
bdchimneysweepspam@...

(cut the spam to reply)

--

35046. Re: [ham-antennas] Re: Ugly balun

Yahoo group: ham-antennas (2014)
Date: 2014-12-23 22:19:34 UTC
From: Geoff McAlpin
Topic: 35007 Message: 35046

http://www.karinya.net/g3txq/chokes/
On Dec 23, 2014 10:08 AM, "Dale Miller stpatrick2@...
[ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

>
>
> On 12/22/2014 10:05 AM, David Welker k3si@... [ham-antennas]
> wrote:
>
> G0TXQ has some good info on his web page about coax baluns and winding
> diameter, frequency cover etc.
> Dave
>
>
>
>
>
> Would you please share a link?
> Thanks
>
>
> --
> All the Best & 73's
> Dale Miller, KC2CBD
> Cookeville, Tennessee
> Ham Operator since 1997 (Extra)
>
> Registered Linux User: #317401
> Linux since June 2003
> Registered Ubuntu User #26423
> stpatrick3spam@...2spam@...3spam@...@...
>
> (cut the spam to reply)
>
> --
>
>
>

35047. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 11:27:44 UTC
From: Ag6az
Topic: 34900 Message: 35047

Quick question. I am about to convert my OCF dipole to an 80m horizontal loop. I bought 30' of 450 ohm ladderline that I will replace the 4:1 balun at the feedpoint so somewhat similar to your configuration then to that 4:1 balun at ground level and then run 100' of 1318 cox to my transceiver.

My question is around flatness of the horizontal loop as its feed point will be at the top of a hill and the antenna will run down at a slight angle about 20 degrees to the bottom of the hill and be like a rectangular shape with an endpoint at the bottom of the hill. Will this configuration work. So far the OCF seems to be a decent configuration (receives and transmits signals fairly well) at the top of the hill with the longer leg running downward slightly.

Thanks & Happy Holidays,

Keith
AK6ZZ

Sent from my iPhone

> On Dec 10, 2014, at 9:06 AM, doug.haft@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> I use a 400 foot horizontal loop up about 40 feet and fed with 450 ohm ladder line. From the feed point, the ladder line goes to a 4:1 current balun. Out of the balun there's about 6 feet of RG213 to a remote auto tuner. Then about 100 feet of RG213 from the auto tuner to the shack. The remote tuner and balun are strapped to one of the trees which support the loop. Bringing the ladder line all the way to the shack was not an option for me. This solution adds to the cost of the antenna, but its still very inexpensive especially given the versatility it provides. Also, feeline loss is minimized as the tuner is located out at the antenna. Once the tuner finds a match, that 100 foot run of coax sees 50 ohms present at each end.
>
>
>
> 73, KY4F
>
>

35048. feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 12:59:39 UTC
From: Terry Cheek
Topic: 35048 Message: 35048

When choosing a flat line what criteria do you use when deciding on 300, 450 or 600 ohm impedance to use as feed line?
kk4ixeTerry

35049. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 13:39:59 UTC
From: KA4INM
Topic: 35048 Message: 35049

Terry Cheek kk4ixe@...:

> When choosing a flat line what criteria do you use when deciding on 300,
> 450 or 600 ohm impedance to use as feed line?

As a rule the higher the impedance of any line the lower the feedline
loss and the less effect returned power will have on overall antenna
system loss.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

35050. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 13:59:04 UTC
From: Myron WVØH
Topic: 34900 Message: 35050

Keith,

I'd be less worried about the shape and more worried about the input impedance at the loop. Your 4:1 balun will transfer energy most efficiently when it is attached to a 200 Ω load without much reactance. It cannot be guaranteed without some knowledge of the input impedance of the loop. That impedance can either be modeled or measured. Measured, but you would have to be at the feed point with an analyzer and that's not an accurate representation of the finished configuration with the transmission line (TL) and its effects to the radiation pattern. That leaves measuring at the TL line input and mathematically subtracting it which is equivalent to using an analyzer that can calibrate out the TL, then measuring the antenna with this calibration to reveal the true input impedance with the TL in place. Another way to model without a computer simulation would be to assume the input impedance and use a Smith chart to back out that TL.

Assume 100+j0 at antenna input because it is closer to ground (unless you have that loop up 65' or more). Then add 30' of 450-Ω TL (approx 0.12λ = 43° using my measured value of 0.89 vf for window line). Reveals that the TL input impedance is 182+j383 Ω, a 20:1 VSWR. A most impossible situation for the balun.

Here's how you could make it work better. Don't use 450 Ω line, use 75 Ω line such as coax. If you run that loop on 80m only that line will transform the load impedance down to an impedance of no greater than 100 Ω and the VSWR will never go above 2:1 no matter what TL length you use. If you want multi-band bliss you may have to get creative with that TL length to obtain some harmonically related length that will allow low impedance mismatch across whatever bands will come out of that process. More work than what I'd prefer. If it was me putting that system together, I'd opt for a decoupled SGC-230 tuner at the input to the 450 Ω TL and remote tune it like I currently do for my loop (minus the TL).

Please feel free to ask more questions. I can even send some pictures to help you out.

Myron WVØH
Printed on Recycled Data

> On Dec 24, 2014, at 4:27 AM, Ag6az ag6az@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> Quick question. I am about to convert my OCF dipole to an 80m horizontal loop. I bought 30' of 450 ohm ladderline that I will replace the 4:1 balun at the feedpoint so somewhat similar to your configuration then to that 4:1 balun at ground level and then run 100' of 1318 cox to my transceiver.
>
> My question is around flatness of the horizontal loop as its feed point will be at the top of a hill and the antenna will run down at a slight angle about 20 degrees to the bottom of the hill and be like a rectangular shape with an endpoint at the bottom of the hill. Will this configuration work. So far the OCF seems to be a decent configuration (receives and transmits signals fairly well) at the top of the hill with the longer leg running downward slightly.
>
> Thanks & Happy Holidays,
>

> Keith
> AK6ZZ
>
> Sent from my iPhone
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>> On Dec 10, 2014, at 9:06 AM, doug.haft@gmail.com [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
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>>
>> I use a 400 foot horizontal loop up about 40 feet and fed with 450 ohm ladder line. From the feed point, the ladder line goes to a 4:1 current balun. Out of the balun there's about 6 feet of RG213 to a remote auto tuner. Then about 100 feet of RG213 from the auto tuner to the shack. The remote tuner and balun are strapped to one of the trees which support the loop. Bringing the ladder line all the way to the shack was not an option for me. This solution adds to the cost of the antenna, but its still very inexpensive especially given the versatility it provides. Also, feeline loss is minimized as the tuner is located out at the antenna. Once the tuner finds a match, that 100 foot run of coax sees 50 ohms present at each end.
>>
>>
>>
>> 73, KY4F
>>
>
>

35051. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:08:42 UTC
From: Ken
Topic: 35048 Message: 35051

Good question, here are my thoughts:

Single band antenna with a known impedance (e.g. folded dipole) or a multi band antenna with widely varying impedance (e.g. 80m dipole fed on all bands).

If a known impedance, such a a 300 ohm folded dipole, I would use matching line.

If widely varying impedance, such as a multband unmatched dipole, I would go with open wire (usually higher impedance) because it’s cheaper, less affected by weather, and blows around a lot less in the wind and has less loss.

I am open to other views.

Ken WA8JXM

> On Dec 24, 2014, at 7:59 AM, Terry Cheek kk4ixe@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
>
> When choosing a flat line what criteria do you use when deciding on 300, 450 or 600 ohm impedance to use as feed line?
>

35052. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:14:22 UTC
From: Myron WVØH
Topic: 35048 Message: 35052

Terry,

Ron is correct, but in addition to that, another property of using higher impedance transmission lines is to transform impedances. With a 50-Ω source and a high Z line one can easily transform the input impedance of an antenna back down to something close to 50-Ω and all you need is a Smith Chart (and some knowledge of how to do so). Check out the Smith Chart section of any ARRL Antenna Book. Also, read up on mismatch loss, you can then understand why it may be necessary to eliminate mismatch or knowing when it won't matter.

Myron WVØH
Printed on Recycled Data

> On Dec 24, 2014, at 5:59 AM, Terry Cheek kk4ixe@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> When choosing a flat line what criteria do you use when deciding on 300, 450 or 600 ohm impedance to use as feed line?
>
> kk4ixe
> Terry
>

35053. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:19:49 UTC
From: Myron WVØH
Topic: 34900 Message: 35053

Strike "radiation pattern" and insert "input impedance". (While radiation pattern is affected by the presence of a TL, we are most concerned about the antenna input Z at this point).

Myron WVØH
Printed on Recycled Data

> On Dec 24, 2014, at 6:59 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> radiation pattern

35054. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:29:19 UTC
From: Ag6az
Topic: 34900 Message: 35054

Thanks Myron. Lots to think about. I am wondering if I should just leave well enough alone for now until next visit, or maybe build another G7FEK antenna because that was a real fun and easy one and i don't need to buy anything in addition to what i already have.

Keith
AK6ZZ

Sent from my iPhone

> On Dec 24, 2014, at 8:19 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> Strike "radiation pattern" and insert "input impedance". (While radiation pattern is affected by the presence of a TL, we are most concerned about the antenna input Z at this point).
>
> Myron WVØH
> Printed on Recycled Data
>
> > On Dec 24, 2014, at 6:59 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
> >
> > radiation pattern
>

35055. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:41:27 UTC
From: Terry Cheek
Topic: 35048 Message: 35055

Thanks everyone and I pray you have a blessed Christmas.
kk4ixeTerry

35056. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 14:46:37 UTC
From: Curt
Topic: 35048 Message: 35056

Have used RS 300ohm twinlead for years to feed an ~ 88' doublet for multilband use since it was once fairly cheap and readily available. It also seems to withstand the weather and hot Texas summers quite well. The present installation is 6 years old. With the demise of the company, suppose will need to use something else in the future. I don't find that the length of the feedline or the antenna is critical, the balun is on the back of the MN-4C tuner. Suspect that the feedline impedance isn't particularly important if the length is less than 100' and it is being used with a high SWR on it anyway. The performance has always been great, am usually working with 0.5-5W output. Certainly running more than 100W would not work with this feedline.

Am presently building a loop and will use the same feedline, with a 1:1 current balun at the tuner.

If only wanted one band, would likely use a resonant dipole fed with coax, but wanting all bands 40-10, non-resonant antenna fed with low-loss feedline is my only choice.

GL, Curt KB5JO

35057. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 15:00:21 UTC
From: Joe
Topic: 35048 Message: 35057
Attachments: 1 described; binary payloads are missing from this source WARC

But I think there was a limit on how high you can go, because if I
remember correctly the line looses it's feedline characteristics, and
it's self shielding properties. It starts to behave like two seperate
end fed long wires.

There is a reason the old timers stopped at about 600 Ohms,

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/24/2014 7:39 AM, KA4INM ka4inm@... [ham-antennas] wrote:
> Terry Cheek kk4ixe@...:
>
>> When choosing a flat line what criteria do you use when deciding on 300,
>> 450 or 600 ohm impedance to use as feed line?
> As a rule the higher the impedance of any line the lower the feedline
> loss and the less effect returned power will have on overall antenna
> system loss.

35058. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 16:27:55 UTC
From: Ken
Topic: 35048 Message: 35058

Curt,

I always considered an open wire fed dipole to be a great multi band antenna, UNTIL MY LAST ONE. I had up a 160m inverted ver (50’ at the apex). Fed with open wire.

It was VERY difficult to load on 160 and 80m, although it loaded up fine above those bands. I believe the problem was the impedance transformation from a very low impedance to a very high one at the shack end. I replaced the open wire with coax and added an 80m section to the antenna (fan dipole style) and it loads easily on both 160 and 80.

73, Ken WA8JXM

> On Dec 24, 2014, at 9:46 AM, 'Curt' rhulett1@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> Have used RS 300ohm twinlead for years to feed an ~ 88' doublet for
> multilband use since it was once fairly cheap and readily available. It also
> seems to withstand the weather and hot Texas summers quite well. The
> present installation is 6 years old. With the demise of the company,
> suppose will need to use something else in the future. I don't find that
> the length of the feedline or the antenna is critical, the balun is on the
> back of the MN-4C tuner. Suspect that the feedline impedance isn't
> particularly important if the length is less than 100' and it is being used
> with a high SWR on it anyway. The performance has always been great, am
> usually working with 0.5-5W output. Certainly running more than 100W would
> not work with this feedline.
>
> Am presently building a loop and will use the same feedline, with a 1:1
> current balun at the tuner.
>
> If only wanted one band, would likely use a resonant dipole fed with coax,
> but wanting all bands 40-10, non-resonant antenna fed with low-loss feedline
> is my only choice.
>
> GL, Curt KB5JO

35059. Re: [ham-antennas] Re: Open Line Feeders.

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 16:56:40 UTC
From: jeffrey kohel
Topic: 34900 Message: 35059

It may be a tiny bit directional, in in the direction on the downward side. But it will be such a slight directivity, you would be very hard to notice. matching the feeder line to an antenna depends on what impedance shows at the shack end the fed line, the if its high or low you use the right balun to bring impedance to 50 to 75 ohm to match transceiver.
  I hope this answers your question. jeff

On Wednesday, December 24, 2014 9:29 AM, "Ag6az ag6az@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

  Thanks Myron. Lots to think about. I am wondering if I should just leave well enough alone for now until next visit, or maybe build another G7FEK antenna because that was a real fun and easy one and i don't need to buy anything in addition to what i already have. KeithAK6ZZ

Sent from my iPhone
On Dec 24, 2014, at 8:19 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

  Strike "radiation pattern" and insert "input impedance". (While radiation pattern is affected by the presence of a TL, we are most concerned about the antenna input Z at this point).

Myron WVØH
Printed on Recycled Data

> On Dec 24, 2014, at 6:59 AM, Myron WVØH s9plus@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:
>
> radiation pattern

35060. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 19:16:16 UTC
From: Mel Farrer
Topic: 35048 Message: 35060

I have always been an advocate of open line 300 or 600 ohm lines on large OCF and double extended Zepp antennas. Main reason is that the impedance is always a complex value when considering multi band operation. Example my double extended Zepp for 160 is >350 long fed with 600 ohm line. The length set to offset the reactance on 160. Turns out that it works on all bands, some with a good 50 ohm match some need a little tweek, hi.

Of course you need the place to hang it. Merry Christmas.
Mel, K6KBE

From: "Joe nss@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Wednesday, December 24, 2014 7:00 AM
Subject: Re: [ham-antennas] feedline decisions

  But I think there was a limit on how high you can go, because if I remember correctly the line looses it's feedline characteristics, and it's self shielding properties. It starts to behave like two seperate end fed long wires.

There is a reason the old timers stopped at about 600 Ohms,

Joe WB9SBD
Sig
The Original Rolling Ball Clock
Idle Tyme
Idle-Tyme.com
http://www.idle-tyme.com
On 12/24/2014 7:39 AM, KA4INM ka4inm@gmail.com [ham-antennas] wrote:

Terry Cheek kk4ixe@...:

When choosing a flat line what criteria do you use when deciding on 300,
450 or 600 ohm impedance to use as feed line?

As a rule the higher the impedance of any line the lower the feedline
loss and the less effect returned power will have on overall antenna
system loss.

35061. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 22:58:56 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 35061

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE EZNEC files/K6KBEEDZfinal.EZ
Uploaded by : farrerfolks <farrerfolks@...>
Description : Double Extended for 160 meters with matching ladder line to 50 ohms

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20EZNEC%20files/K6KBEEDZfinal
.EZ

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

35062. Re: [ham-antennas] feedline decisions

Yahoo group: ham-antennas (2014)
Date: 2014-12-24 23:06:38 UTC
From: farrerfolks@...
Topic: 35048 Message: 35062

I put the EZNEC antenna file for my 160 meter EDZ antenna with the ladder line matching section. Please note this approach is to match out the reactance of the antenna and convert the high impedance down to 50 ohms. Not difficult just laborious. No antenna tuner needed for the primary design frequency.....

Mel, K6KBE

35063. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 03:40:23 UTC
From: David Propper
Topic: 34999 Message: 35063

The "tape measure" style dipole was manufactured by both Collins Radio and Hy-Gain during the 1960's. The Collins antenna was sold primarily to the military while the Hy-Gain dipole was offered commercially to the amateur market as well.

FWIW and 73, HNY to all,
Dave, K2DP
St. Louis, MO

On Dec 19, 2014, at 10:46 AM, Geoff McAlpin geoff.nm7v@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

>
> I once saw a homebrew steppir big IR clone write-up in the internet that used a tape measure. Wish I could remember where I saw it.
>
> On Dec 19, 2014 8:37 AM, "Rfnut rfnut2001@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
> I actually found a DIPOLE like this at a ham fest. It was Military surplus had a type N connector built into the chassis. Measurement written on the back for different freqs. Pull the tape measure out to specified length and booom instant dipole. Unfortunately I didn't buy it. Kick myself every-time I think of it. There are lots of plans out there for making them on the interweb!!
>
>
> On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@... [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:
>
>
>
> "Has anyone tried making a multi-band dipole using two steel tape measures?"
>
> Yes, I have seen it done occasionally. But have seen only little about it on the Internet. There is more about tape measure VHF dipoles, which are not the same thing.
>
> I assume by "multi-band" you mean changing the tape lengths to change bands, right?
>
> "Any suggestions or past experiences or pit falls?"
>
> I haven't tried it myself, so this isn't speaking from experience. But you might need to think about the coiled up part of the tape measures. If you put them at the far ends of the dipole, they probably add a little end-loading (capacitive loading), which can be useful. If you put them at the feedpoint ends, then make sure to contact the tape where it comes out of the enclosure, or you might be feeding the legs through an unknown and unstable amount of inductance.

>
> The longest tape measure I have is 30 feet, which ought to be good down to about 30 meters (or somewhat longer if not restricted to the amateur bands). I've seen much longer tapes.
>
> Tape measures use steel, which isn't the best electrical conductor, but it's OK enough. I don't think its magnetic properties make any difference.
>
> Andy
>
>
>
>
>
>
>

35064. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 12:37:49 UTC
From: mu0chn@...
Topic: 394 Message: 35064

Is there a viewer available for this file?

35065. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 12:39:41 UTC
From: Prasad
Topic: 34999 Message: 35065

I have tried googling Steppir Clone page and have not found any. I tried various combinations without result. Any suggestions?
Thanks and HNY to allAB3EH

From: "David Propper k2dp@... [ham-antennas]" <ham-antennas@yahoogroups.com>
To: ham-antennas@yahoogroups.com
Sent: Friday, December 26, 2014 10:40 PM
Subject: Re: [ham-antennas] Tape measure HF multi-band dipole antenna

#yiv3513765838 #yiv3513765838 -- #yiv3513765838 .yiv3513765838ygrp-photo-title{clear:both;
font-size:smaller;height:15px;overflow:hidden;text-align:center;width:75px;}#yiv3513765838
div.yiv3513765838ygrp-photo{background-position:center;background-repeat:no-repeat;backgro
und-color:white;border:1px solid black;height:62px;width:62px;}#yiv3513765838
div.yiv3513765838photo-title a, #yiv3513765838 div.yiv3513765838photo-title a:active,
#yiv3513765838 div.yiv3513765838photo-title a:hover, #yiv3513765838
div.yiv3513765838photo-title a:visited {text-decoration:none;}#yiv3513765838
div.yiv3513765838attach-table div.yiv3513765838attach-row {clear:both;}#yiv3513765838
div.yiv3513765838attach-table div.yiv3513765838attach-row div {float:left;}#yiv3513765838
p {clear:both;padding:15px 0 3px 0;overflow:hidden;}#yiv3513765838
div.yiv3513765838ygrp-file {width:30px;}#yiv3513765838 div.yiv3513765838attach-table
div.yiv3513765838attach-row div div a {text-decoration:none;}#yiv3513765838
div.yiv3513765838attach-table div.yiv3513765838attach-row div div span
{font-weight:normal;}#yiv3513765838 div.yiv3513765838ygrp-file-title
{font-weight:bold;}#yiv3513765838 #yiv3513765838

The "tape measure" style dipole was manufactured by both Collins Radio and Hy-Gain during the 1960's. The Collins antenna was sold primarily to the military while the Hy-Gain dipole was offered commercially to the amateur market as well.
FWIW and 73, HNY to all,Dave, K2DPSt. Louis, MO

On Dec 19, 2014, at 10:46 AM, Geoff McAlpin geoff.nm7v@... [ham-antennas] <ham-antennas@yahoogroups.com> wrote:

I once saw a homebrew steppir big IR clone write-up in the internet that used a tape measure. Wish I could remember where I saw it.On Dec 19, 2014 8:37 AM, "Rfnut rfnut2001@yahoo.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

I actually found a DIPOLE like this at a ham fest. It was Military surplus had a type N connector built into the chassis. Measurement written on the back for different freqs. Pull the tape measure out to specified length and booom instant dipole. Unfortunately I didn't buy it. Kick myself every-time I think of it. There are lots of plans out there for making them on the interweb!!

On Friday, December 19, 2014 10:53 AM, "Andy ai.egrps@gmail.com [ham-antennas]" <ham-antennas@yahoogroups.com> wrote:

"Has anyone tried making a multi-band dipole using two steel tape measures?"
Yes, I have seen it done occasionally. But have seen only little about it on the Internet. There is more about tape measure VHF dipoles, which are not the same thing.
I assume by "multi-band" you mean changing the tape lengths to change bands, right?

"Any suggestions or past experiences or pit falls?"
I haven't tried it myself, so this isn't speaking from experience. But you might need to think about the coiled up part of the tape measures. If you put them at the far ends of the dipole, they probably add a little end-loading (capacitive loading), which can be useful. If you put them at the feedpoint ends, then make sure to contact the tape where it comes out of the enclosure, or you might be feeding the legs through an unknown and unstable amount of inductance.
The longest tape measure I have is 30 feet, which ought to be good down to about 30 meters (or somewhat longer if not restricted to the amateur bands). I've seen much longer tapes.
Tape measures use steel, which isn't the best electrical conductor, but it's OK enough. I don't think its magnetic properties make any difference.
Andy

35066. Re: [ham-antennas] Tape measure HF multi-band dipole antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 14:23:06 UTC
From: KA4INM
Topic: 34999 Message: 35066

On 12/27/2014 07:39 AM, Prasad ad_ AB3EH prasad@... wrote:

> I have tried googling Steppir Clone page and have not found any. I tried
> various combinations without result. Any suggestions?

> Thanks and HNY to all

" step ir clone " works for me.
--
Ron KA4INM - Youvan's corollary:
Every action results in unwanted side effects.

35067. Re: [ham-antennas] New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 15:00:59 UTC
From: Geoff McAlpin
Topic: 394 Message: 35067

Eznec
On Dec 27, 2014 4:37 AM, "mu0chn@... [ham-antennas]" <
ham-antennas@yahoogroups.com> wrote:

>
>
> Is there a viewer available for this file?
>
>

35068. Matching antennas without a tuner

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 22:01:39 UTC
From: farrerfolks@...
Topic: 35068 Message: 35068

I have always approached an antenna design from the point of view of not requiring a tuner on the design frequency. Yes, a tuner makes it easy, but it has more loss, requires constant changing or updates, etc. I prefer to design it OUT. Yes, away from the design frequency a tuner is nice. So, I have taken my double extended Zepp antenna for 160 meters as an example and wrote up a word document on the approach I used, and you can use on any simple antenna design. In this case a balanced fed antenna. I will put the document in my K6KBE EZNEC file section. Cheers,

Mel

35069. New file uploaded to ham-antennas

Yahoo group: ham-antennas (2014)
Date: 2014-12-27 22:02:38 UTC
From: ham-antennas@yahoogroups.com
Topic: 394 Message: 35069

Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the ham-antennas
group.

File : /K6KBE EZNEC files/Double Extended Zepp analysis Dec 27.doc
Uploaded by : farrerfolks <farrerfolks@...>
Description : Matching antenna design approach

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/ham-antennas/files/K6KBE%20EZNEC%20files/Double%20Extended%20Zepp%20analysis%20%20%20%20Dec%2027.doc

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

farrerfolks <farrerfolks@...>

35070. New Antenna Videos

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 15:33:17 UTC
From: dvaneven@...
Topic: 35070 Message: 35070

Basic Antenna Fundamentals
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA

https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA

Basic Antenna Fundamentals
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA Basic Antenna Fundamentals How a Dipole antenna works

View on www.youtube.com
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA
Preview by Yahoo

Basic Fundementals Baluns
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA

https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA

Basic Fundementals Baluns
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA Basic Fundementals Baluns

View on www.youtube.com
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA
Preview by Yahoo

35071. New Antenna Videos

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 15:37:48 UTC
From: dvaneven@...
Topic: 35070 Message: 35071

Basic Antenna Fundamentals
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA

https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA

Basic Antenna Fundamentals
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA Basic Antenna Fundamentals How a Dipole antenna works

View on www.youtube.com
https://www.youtube.com/watch?v=h9vqvDcM070&list=UUoTW-vlEhEmdYw4AE2vOQRA
Preview by Yahoo

Basic Fundementals Baluns
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA

https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA

Basic Fundementals Baluns
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA Basic Fundementals Baluns

View on www.youtube.com
https://www.youtube.com/watch?v=DRFnoCAeJJI&list=UUoTW-vlEhEmdYw4AE2vOQRA
Preview by Yahoo

35072. Mystery antenna and tower that was never made

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 20:02:30 UTC
From: Kathy Bookmiller
Topic: 35072 Message: 35072

We are trying to identify just what this yagi is of a recent SK.
Took a few pictures of it the other day and have this description:

We are still trying to help find someone who is interested in Fred's (W2UB) tower and beam. So far we haven't been able to determine the make and model of the beam. Please check out the attached pictures and let me know if you recognize it. There appear to be some sort of "V" shaped rods connecting each side of the 'second' element to the corresponding side of the 'fourth' element.

It should become available in the spring, along with the tower. Anyone recognize just what it is?

As a bonus question, anyone know who made the tower? I know what it is and it supposedly doesn't exist as the company claims they never made crankup towers, but they did as their name is on the crank/pulley assembly. (the SK had two of these towers, but one came down in high winds last spring and we've already cut it up and removed it for scrap)

[Non-text portions of this message have been removed]

35073. Re: Mystery antenna and tower that was never made

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 20:48:10 UTC
From: wb2aio@...
Topic: 35072 Message: 35073

Since photos are stripped, I added a file on the pictures section to see if anyone can identify just what the antenna is and as a bonus, did you ever see this tower before?
73,
Kathy, W2NK

35074. Re: [ham-antennas] Mystery antenna and tower that was never made

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 21:11:47 UTC
From: B Peter Treml
Topic: 35072 Message: 35074

Look up Force 12 beams with a 40 meter element. The V sounds like linear loading. GL
73 Pete -K8PT

B. Peter Treml
K8PT@...
Sent from my iPhone

> On Dec 28, 2014, at 3:02 PM, Kathy Bookmiller wb2aio@... [ham-antennas]
<ham-antennas@yahoogroups.com> wrote:
>
> We are trying to identify just what this yagi is of a recent SK.
> Took a few pictures of it the other day and have this description:
>
> We are still trying to help find someone who is interested in Fred's
> (W2UB) tower and beam. So far we haven't been able to determine the
> make and model of the beam. Please check out the attached pictures and
> let me know if you recognize it. There appear to be some sort of "V"
> shaped rods connecting each side of the 'second' element to the
> corresponding side of the 'fourth' element.
>
> It should become available in the spring, along with the tower. Anyone recognize just
what it is?
>
> As a bonus question, anyone know who made the tower? I know what it is and it supposedly
doesn't exist as the company claims they never made crankup towers, but they did as their
name is on the crank/pulley assembly. (the SK had two of these towers, but one came down in
high winds last spring and we've already cut it up and removed it for scrap)
>
> [Non-text portions of this message have been removed]
>
>

35075. Re: [ham-antennas] Mystery antenna and tower that was never made

Yahoo group: ham-antennas (2014)
Date: 2014-12-28 22:37:00 UTC
From: Gerald Bishop
Topic: 35072 Message: 35075

PIX's ???
----- Original Message -----
From: "Kathy Bookmiller wb2aio@... [ham-antennas]"
<ham-antennas@yahoogroups.com>
To: <ham-antennas@yahoogroups.com>
Sent: Sunday, December 28, 2014 3:02 PM
Subject: [ham-antennas] Mystery antenna and tower that was never made

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had two of these towers, but one came down in high winds last spring and
we've already cut it up and removed it for scrap)

[Non-text portions of this message have been removed]

Posted by: Kathy Bookmiller <wb2aio@...>

HAM ANTENNAS Anything and everything, tell us or ask questions. Replies go
to ALL 3724 members (as of 08/01/14). and attachments are NOT permitted.
Any statements in ANY post that may be construed as inflamatory MAY be cause
for suspension. Moderators WILL have final say in these matters.
Post message: ham-antennas@yahoogroups.com
Subscribe: ham-antennas-subscribe@yahoogroups.com
Unsubscribe: ham-antennas-unsubscribe@yahoogroups.com
List owner: ham-antennas-owner@yahoogroups.com

Yahoo Groups Links

This email has been checked for viruses by Avast antivirus software.

http://www.avast.com

35076. For Sale Parts "Kit" for a CobWebb Antenna

Yahoo group: ham-antennas (2014)
Date: 2014-12-30 18:55:07 UTC
From: ingerassociates@...
Topic: 35076 Message: 35076

I have gathered together all the necessary parts to construct a compact CobWebb multiband dipole antenna. If you aren't familiar with these great performing small antennas, a quick web search will provide you with lots of info. I have plenty of pdf's and website references that will give you the necessary info to construct this antenna. The best place to start is G3TXQ's website (http://www.karinya.net/g3txq/cobweb/).

My kit" consists of:
Four 8 ft. long 1/2" diameter fiberglass poles from Max-Gain Systems
One manufactured center hub
Two FT-240-61 toroids and RG-400 coax for constructing G3TXQ's 1:4 balun. This will allow legal limit power. Smaller toroids can be used for lower power systems.
One 4"x4' NEMA plastic box for the balun and terminating point for the dipole wires

You will need to supply about 100 ft. of 16- or 18-ga wire. This is enough for each of the dipole wires for 20/17/15/12/10-meters. Some zip ties and other bits and pieces available from any hardware store is all that you will need.

Everything is brand new and unused; I think I will go the hexbeam direction instead (unless my wife threatens divorce...or worse).

I will sell this for $60 which is 50% of what I paid for the items, plus shipping. It will be shipped in two boxes. The fiberglass poles can go by UPS but there is some added cost due to the length. If you are interested I can calculate the UPS costs to your QTH.

Pleas contact me off list at ingerassociates@cox.net.

73 es HPY de K6SBA
David in Santa Barbara, CA

35077. Happy New Year to all group members

Yahoo group: ham-antennas (2014)
Date: 2014-12-31 14:13:53 UTC
From: dhobson123@...
Topic: 35077 Message: 35077

Happy New Year to all group members……wishing you all the best in 2015!

Don KB9UMT

www.30MDG.org http://www.30mdg.org/ <30 Meter Digital Group>